

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY11	FY12	FY13	FY14	FY15
NSTX Upgrade Project															
Critical Decisions															
LEVEL I															
CD1A	CD1 Approval	0			15APR10A	15APR10A	0		0.00	100					
CD2A	Receive CD-2 Approval	0			20DEC10*	20DEC10*	0	73	0.00						
CD3A	Receive CD-3 Approval	0			10OCT11	10OCT11	0	54	0.00						
CD4	CD4	0			29MAY15	29MAY15	0	0	0.00						
Level 2 Milestones															
LEVEL II															
0001	**NSTX FY10 RUN- 15 RUN WEEKS**(FY11-4WKS)	149*	01APR10A	01APR10A	29OCT10		0		0.00	85.					
0002	**NSTX FY 11 OPENING/MAINTENANCE**	117*	01NOV10*	01NOV10A	22APR11	22APR11	0	2,344	0.00						
0003	**NSTX FY11 RUN - 10 RUN WEEKS**	68*	25APR11*	25APR11*	29JUL11	29JUL11	0	2,276	0.00						
0004	**NSTX FY12 MAINTENACE NO VV VENT!**	41*	11AUG11*	11AUG11*	07OCT11	07OCT11	0	2,227	0.00						
0005	**NSTX RUN 10 RUN WEEKS**	95*	10OCT11*	10OCT11*	29FEB12	29FEB12	0	2,132	0.00						
0006	**NSTX UPGRADE MAJOR OUTAGE**	582	03APR12	03APR12	30SEP14*	04AUG14*	40	1,527	0.00						
1010	Project Preliminary Design Review (PDR)	0			23JUN10A	23JUN10A	0		0.00	100					
CDR	PROJECT CDR	0			28OCT09A	28OCT09A	0		0.00	100					
1000	NB #2 Decon Program Complete	0			01NOV10*	29OCT10A	1		0.00						
CD1	Submit CD-1 Request	0			22JAN10A	22JAN10A	0		0.00	100					
PDR	PROJECT PDR	0			23JUN10A	23JUN10A	0		0.00	100					
LRCD2	Lehman Review	0			10AUG10A	10AUG10A	0		0.00	100					
FDR	PROJECT FDR	0			30JUN11*	30JUN11*	0	0	0.00						
1070	Friction Stir-Weld Coil Leads TF Conductors	0			05JAN12	05JAN12	0	17	0.00						
SD-1	NSTX COMPLETE OPERATIONS	0			01MAR12*	01MAR12*	0	139	0.00						
SD-2	BEGIN UPGRADE OUTAGE	0			02APR12	02APR12	0	139	0.00						
1150	Complete Assy And Pot Of 4th Inner TF Quadrant	0			11FEB13	11FEB13	0	17	0.00						
1160	Complete Fabricate & test Inner TF/OH Coil Assy	0			20SEP13	20SEP13	0	17	0.00						
1210	NB Cap Installed	0			03JAN14	03JAN14	0	20	0.00						
1230	Lift In New Centerstack	0			10APR14	09APR14	1	13	0.00						
1330	Complete ISTP.	0			24SEP14	24SEP14	0	4	0.00						
SD-3	RESUME OPERATIONS (Early Start)	0			30SEP14*	30SEP14*	0	0	0.00						
Level 3 Milestones															
LEVEL 3															
CD2	Submit CD2 & CD3a Request	0			05NOV10*	05NOV10*	0	102	0.00						
1030	Award Inner (TF) Conductor Material Contract	0			20DEC10	20DEC10	0	57	0.00						
1019	NBI Final Design Peer Review	0			31MAR11*	31MAR11*	0	64	0.00						
1035	Award Inner (TF) Conductor Machining contract	0			03MAY11	03MAY11	0	57	0.00						
1037	Award TF Lead Extensions	0			11MAY11	11MAY11	0	17	0.00						
LRCD3	Lehman Review	0			05AUG11	05AUG11	0	54	0.00	100					
CD3	Submit CD3 Request	0			26AUG11	26AUG11	0	54	0.00						

Data Date 01NOV10
Run Date 29NOV10 15:49

CD2S

NSTX UPGRADES
RESOURCE LOADED SCHEDULE
CD-2 Schedule
September 2010

Sheet 1 of 54



 Early Bar
 Progress Bar
 Critical Activity

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY				
											FY11	FY12	FY13	FY14	FY15
1038	Award Friction Stir Weld Contract	0			03OCT11	03OCT11	0	17	0.00						
1060	Generate Center Stack (CS) Assembly Procedure	0			24OCT11	24OCT11	0	443	0.00						
1025	Award CS PFC Tiles	0			13DEC11	13DEC11	0	174	0.00						
1050	Complete Machining Inner TF Conductors	0			05MAR12	05MAR12	0	17	0.00						
1051	Deliver TF Quadrant Mold	0			22MAR12	22MAR12	0	156	0.00						
1110	Award NB Rectangular Bellows Section	0			11JUN12	11JUN12	0	21	0.00						
1130	Award Contract Inner Poloidal Field (PF) Coils	0			11JUN12	11JUN12	0	127	0.00						
1052	Award CS Casing	0			22JUN12	22JUN12	0	148	0.00						
1090	Award Neutral Beam (NB) Vessel Cap	0			01OCT12	01OCT12	0	121	0.00						
1040	Award Ohmic Heating (OH) Conductor	0			01OCT12	01OCT12	0	83	0.00						
1080	Complete 1st TF inner quadrant	0			14NOV12	14NOV12	0	17	0.00						
1120	Complete Diagnostics Removals	0			03DEC12	03DEC12	0	208	0.00						
1100	OH Conductor Delivered	0			18JAN13	18JAN13	0	83	0.00						
1140	Lift Out Old Centerstack	0			21JAN13	21JAN13	0	235	0.00						
1240	Deliver Inner Inner PF Coils	0			22APR13	22APR13	0	113	0.00						
1190	Deliver NB Vessel Cap	0			24JUN13	24JUN13	0	121	0.00						
1220	Begin Field Coil Power Conversion DC Sys Cable I	0			30SEP13	30SEP13	0	13	0.00						
1170	Begin Final Assembly Of Centerstack	0			30SEP13	30SEP13	0	13	0.00						
1250	Beam Box Moved and Internals Installed	0			20JAN14	17JAN14	1	11	0.00						
1180	Deliver NB Rectangular Bellows Section	0			27JAN14	27JAN14	0	21	0.00						
1310	Complete FCPC DC Systems Cable Installation	0			03FEB14	03FEB14	0	13	0.00						
1270	Begin Re-Installation Of Diagnostics	0			12FEB14	12FEB14	0	20	0.00						
1290	Reinstall New Pump Duct	0			12FEB14	12FEB14	0	91	0.00						
1200	Complete Final Assembly Of Centerstack	0			31MAR14	31MAR14	0	13	0.00						
1320	Re-Installation Of Diagnostics Complete	0			29MAY14	29MAY14	0	25	0.00						
1260	Install New Umbrella	0			04JUN14	03JUN14	1	13	0.00						
1300	Begin Machine Pump down	0			17JUN14	16JUN14	1	13	0.00						
1280	Complete Refurbishment Of Sources	0			01AUG14	01AUG14	0	20	0.00						

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

1000-0002	Maintain Global model with updated design concep	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100				
1000-0003	Maintain updated 96 Scenarios	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100				
1000-0004	Generic Tile Qualification Program	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100				
1000-0005	Maintain Disruption Scenarios	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100				
1000-0006	Develop List of in-service Inspection Areas	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100				
1000-0007	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100				
1000-0008	Fault, FMEA evaluation and analyses	21	03MAY10A	03MAY10A	01JUN10A	01JUN10A	0		0.00	100				
1000-0009	PDR Documentation	21	02JUN10A	02JUN10A	30JUN10A	30JUN10A	0		0.00	100				
1000-0011	Maintain Global model with updated design concep	237*	01JUL10A	01JUL10A	13JUN11	13JUN11	0	13	18,695.78	35.				
1000-0012	Maintain updated 96 Scenarios (LOE)	203*	01JUL10A	01JUL10A	25APR11	25APR11	0	47	18,599.94	20				
1000-0013	Generic Tile Qualification Program	162*	01JUL10A	01JUL10A	25FEB11	25FEB11	0	88	36,861.73	75				
1000-0015	Develop List of in-service Inspection Areas(LOE)	203*	01JUL10A	01JUL10A	25APR11	25APR11	0	47	18,599.94	20				
1000-0016	Dynamic Response to Normal Loads PF4/5/TF/TF OOP	162*	01JUL10A	01JUL10A	25FEB11	25FEB11	0	88	18,430.86	30				

EA/EM =100 ;
EA/EM =100 ;
EA/EM =200 ;
EA/EM =100 ;
EA/EM =100 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
1000-0017	Fault, FMEA analyses (LOE)	162*	01JUL10A	01JUL10A	25FEB11	25FEB11	0	88	18,430.86	20	EA/EM =100 ;					
1000-0017A	CSU Analytical Support - Peer Review	0				31MAR11*	0	2,360	0.00	20						
1000-0018	FDR Prep/documentation	21	13MAY11	13MAY11	13JUN11	13JUN11	0	13	19,268.00		EA/EM =100 ;					
1000-0019	CONDUCT FDR	20	16MAY11	16MAY11	13JUN11*	13JUN11*	0	13	1,926.80		EA/EM =10 ;					
1000-0022	Title 3 Analysis Support	819	14JUN11	14JUN11	25SEP14	25SEP14	0	1,490	192,959.79							
FY101000	FY10 Actual Cost	85*	04JAN10A	04JAN10A	30APR10A	30APR10A	0		33,760.00	100						
FY101000A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		6,931.00							
Job: 1001 - CS Plasma Facing Components-TRESEMER																
Design																
1001-0021	NDA, Export Control Issues	146*	03MAY10A	03MAY10A	29NOV10	29OCT10A	0	19	7,256.97	100	EM/EM=50					
1001-0029	PDR Prep	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A	0		0.00	100						
1001-0030	CONDUCT PDR	2	23JUN10A	23JUN10A	24JUN10A	24JUN10A	0		0.00	100						
1001-0031	Receipt of Material data	110*	23JUN10A	23JUN10A	29NOV10	29OCT10A	0	19	292.33	100	EM/EM =02 ;					
1001-0031A	Processing of Material data	5	30NOV10	01NOV10	06DEC10	05NOV10	0	19	2,456	316.42	80	EM/EM =02 ;				
1001-0032	Order Samples for testing (6 wks lead)	128*	23JUN10A	23JUN10A	23DEC10	23DEC10	0	71	19,440.92	50	EM/EM =08 ; EA/ES=15,000 ;					
1001-0034	PDR chit resolution	60*	25JUN10A	25JUN10A	20SEP10A	20SEP10A	0		0.00	100	EM/EM =60 ; EA/ES =160 ;					
1001-0035	Update WAF for Lehman Review (prep)	30	25JUN10A	25JUN10A	06AUG10A	06AUG10A	0		0.00	100						
1001-0036	Generic Tile Qualification Program	61*	25JUN10A	25JUN10A	21SEP10A	21SEP10A	0		0.00	100	EM/EM =20 ; EA/EM =200 ;					
1001-0037	Lehman Review	2	10AUG10A	10AUG10A	11AUG10A	11AUG10A	0		0.00	100						
1001-0038A	Fastener Mock-up	65*	02SEP10A	02SEP10A	06DEC10	06DEC10	0	2,437	45,436.17	80	EM/EM =08 ; EA/ES=15,000 ;					
1001-0039	Disruption Forces - Final Tile Analysis	75*	12AUG10A	12AUG10A	29NOV10	29OCT10A	0	19	20,651.65	100	EM/EM =20 ; EA/ES =40 ; EA/EM =80 ;					
1001-0040	Thermal system - Final Tile Analysis	45*	18OCT10*	18OCT10A	30NOV10	21DEC10	-15	223	26,630.60	30	EM/EM =20 ; EA/EM=160 ; EA/ES=40					
1001-0041	Fastener Scheme - Final Tile Analysis	30	01DEC10	22DEC10	19JAN11	09FEB11	-15	223	37,473.80		EM/EM =20 ; EA/EM=160; EA/es=40					
1001-0043	Part re-design	20	20JAN11	10FEB11	16FEB11	09MAR11	-15	223	21,264.00		EM/EM =64 ; EA/es =128 ;					
1001-0044	Tile adjustments/Drawings	15	17FEB11	10MAR11	09MAR11	30MAR11	-15	223	10,885.28		EM/EM =16 ; EA/es =64 ;					
1001-0045	Fastener Prototype	162*	16AUG10A	16AUG10A	11APR11	11APR11	0	215	47,668.84	15	EM/EM =44 ; EA/ES =40 ; EM/ST=320,M&S=5,000					
1001-0046	Testing	20	12APR11	12APR11	09MAY11	09MAY11	0	215	16,651.50		EM/EM =30 ; EM/ST =120 ;					
1001-0048	Mechanical - Material Testing	20	03JAN11*	03JAN11*	28JAN11	28JAN11	0	71	20,132.30		EM/EM =30 ; EA/ES =40 ; EM/ST =120;					
1001-0049	Thermal - Material Testing	15	03JAN11	03JAN11	21JAN11	21JAN11	0	71	12,999.70		EM/EM =10 ; EM/ST =80;ea/es40					
1001-0050	Review Data - Material Testing	10	24JAN11	24JAN11	04FEB11	04FEB11	0	71	6,328.40		EM/EM =40 ;					
1001-0053	Make Material Choices	10	07FEB11	07FEB11	18FEB11	18FEB11	0	71	6,328.40		EM/EM =40 ;					
1001-0054	Finalize Designs/Drawings	45	10MAY11	10MAY11	13JUL11	13JUL11	0	215	50,628.64		EM/EM =144 ; EA/ES =320 ;					
1001-0055	Drawings (Assem/Installation)	478	18OCT10*	01NOV10	28SEP12	28SEP12	0	201	200,669.50							
1001-0056	Prep Procurement Specs	15	14JUL11	14JUL11	03AUG11	03AUG11	0	215	4,746.30		EM/EM =30 ;					
1001-0056A	CS Plasma Facing Components Peer Review	0				30MAR11*	0	2,361	0.00							
1001-0057	FDR Prep	20	01JUN11*	01JUN11*	28JUN11	28JUN11	0	0	34,174.08		EM/EM =128 ; EA/es =160 ;					
1001-0058	CONDUCT FDR	2	29JUN11	29JUN11	30JUN11	30JUN11	0	0	7,612.80		EM/EM =16 ; EA/ES =16 ; EA/EM =16 ;					
Procure, Fab & Assembly																
1001-0062	Prep Req & Proc Package - Tiles (CFC)	9	03OCT11*	03OCT11*	13OCT11	13OCT11	0	174	6,939.60		EM/EM =20					
1001-0063	Submit Req. to Procurement - Tiles (CFC)	2	14OCT11	14OCT11	17OCT11	17OCT11	0	174	693.96		EM/EM =04 ;					
1001-0064	Bid & Award (Procurement Lead Time - Tiles (CFC)	40	18OCT11	18OCT11	14DEC11	14DEC11	0	174	5,551.68		EM/EM =32 ;					

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											FY11	FY12	FY13	FY14	FY15	
FY101200	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A	0		370,213.00	100						
FY101200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		360,410.00							
FY101210	FY10 Actual Cost	150	01OCT09A	01OCT09A	28MAY10A	28MAY10A	0		207,020.00							
Job: 1201 - Outer TF Structures-SMITH																
1201-0009	Dsgn Eng/CAD Models: Iteration, Optimiztn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A	0		0.00	100						
1201-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A	0		0.00	100						
1201-0011	Mockups:outer link, real estate issues(# of it 4	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A	0		0.00	100						
1201-0013	ME Analysis/CAD Model Iterations-Stress/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A	0		0.00	100						
1201-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A	0		0.00	100						
1201-0016	PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A	0		0.00	100						
1201-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	61*	24JUN10A	24JUN10A	16AUG10A	16AUG10A	0		0.00	100						
1201-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A	0		0.00	100						
1201-0024	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1201-0028	Det Dsgn Eng, CAD/Analysis Iterations(34mod)	127*	17SEP10A	17AUG10A	18FEB11	22FEB11	-2	21	29,510.63	80						
1201-0029	Update Design Drawings	1	24JUN10A	24JUN10A	16AUG10A	16AUG10A	0		0.00							
1201-0030	Final Dsgn Analysis Design Drawings (13dw)	35	21FEB11	23FEB11	06MAY11	12APR11	18	21	14,572.74							
1201-0031	Final Design Analysis	135	01OCT10	24SEP10A	21FEB11	22FEB11	-1	56	90,008.84	35						
1201-0031B	N/A Analysis: Ring, Bracket, Spring Link	57*	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1201-0031C	N/A Analysis:Keep Clevis Bracket Load Stress Upd	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1201-0031D	N/A OTF Analysis: Fatigue Assesment	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1201-0031E	N/A Analysis: Write, Check, File Calculations	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1201-0031F	N/A Analysis: DCOS Input	63*	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1201-0031G	N/A Analysis: Insul Bond Shear/Copper Stress/CC	63*		16AUG10A		16AUG10A	0		0.00	100						
1201-0032	Validation of Design Complete	10	09MAY11	13APR11	20MAY11	26APR11	18	21	5,780.40							
1201-0033	Update CAD Models per Validation	10	23MAY11	27APR11	06JUN11	10MAY11	18	21	4,246.94							
1201-0034	Revise Fabrication & Assembly Drawings per Valid	10	07JUN11	11MAY11	20JUN11	24MAY11	18	21	6,495.32							
1201-0035	Review, Check Drawings	4	21JUN11	25MAY11	27JUN11	31MAY11	19	21	7,361.12							
1201-0036	Drawings ready for FDR	1	28JUN11	01JUN11	28JUN11	01JUN11	19	21	0.00							
1201-0038	FDR	1	29JUN11	01JUN11	29JUN11*	01JUN11*	20	21	0.00							
1201-0042	Prep Req & Procurement Package	10	01JUN12*	01JUN12*	14JUN12	14JUN12	0	85	5,551.68							
1201-0043	Submit Req to Procurement	1	14JUN12	14JUN12	14JUN12	14JUN12	0	85	0.00							
1201-0044	Procurement Processing	22	14JUN12	14JUN12	16JUL12	16JUL12	0	85	0.00							
1201-0045	Submit for Vendor Quotes	1	17JUL12	17JUL12	17JUL12	17JUL12	0	85	0.00							
1201-0046	Eval Quotes	43	17JUL12	17JUL12	14SEP12	14SEP12	0	85	1,387.92							
1201-0047	Tech Eval of Vendors	43	17JUL12	17JUL12	14SEP12	14SEP12	0	85	2,775.84							
1201-0048	Award / Order Approved	1	17SEP12	17SEP12	17SEP12	17SEP12	0	85	0.00							
1201-0048A	Fabricate Components - Outer TF Structure	100	18SEP12	18SEP12	15FEB13	15FEB13	0	85	509,784.56							
1201-0049	Vendor Oversight	100	18SEP12	18SEP12	15FEB13	15FEB13	0	85	7,072.46							
1201-0050	Receipt of Hardware	4	18FEB13	18FEB13	21FEB13	21FEB13	0	85	0.00							
1201-0051	QA Inspection	10	22FEB13	22FEB13	07MAR13	07MAR13	0	95	6,926.10							
1201-0052	Resolve Procurement Issues	5	18FEB13	18FEB13	22FEB13	22FEB13	0	85	354.28							
1201-0053	Documentation: Assembly Procedures	15	18FEB13	18FEB13	08MAR13	08MAR13	0	94	4,810.80							

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											FY11	FY12	FY13	FY14	FY15	
1201-0054	Assembly of Components	20	25FEB13	25FEB13	22MAR13	22MAR13	0	85	9,594.96		EM/EM =04 ;	EM/ST =80 ;				
1201-0055	Outer TF Structure Parts ready for installation	1	22MAR13	22MAR13	22MAR13	22MAR13	0	85	0.00							
1201-0056	Handling / Warehouse / Storage	50	22MAR13	22MAR13	31MAY13	31MAY13	0	1,818	10,663.68			EM/ST =96 ;				
Job: 1202 - Outer PF2 Coil Structures-SMITH																
1202-0008	Input F/Analysis Group:Prelim Analysis of PF2	1	01JUL10A	01JUL10A	01JUL10A	01JUL10A	0		0.00	100						
1202-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A	0		0.00	100						
1202-0010	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A	0		0.00	100						
1202-0013	ME Analysis/CAD Model Iterations-Strrs/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A	0		0.00	100						
1202-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A	0		0.00	100						
1202-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
1202-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A	0		0.00	100						
1202-0028	Det Dsgn Eng, CAD/Analysis Iterations(2mod/2dwgs)	113*	16AUG10A	16AUG10A	01FEB11	01FEB11	0	14	8,487.17	80	EM/EM =06 ;	EA/SB =62 ;				
1202-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1202-0031	Validate Analysis: Stress, EM, Thermal	130	24JUN10A	24JUN10A	31AUG10A	31AUG10A	0		0.00							
1202-0032	Analysis & Validation of Design Complete	139*	02FEB11	04OCT10A	26APR11	26APR11	0	14	4,874.14	10	EA/SB =02 ;	EA/EM =24 ;				
1202-0033	Update CAD Models per Validation	10	27APR11	27APR11	10MAY11	10MAY11	0	14	1,249.10		EA/SB =10 ;					
1202-0034	Revise Fabrication & Assembly Drawings per Valid	10	11MAY11	11MAY11	24MAY11	24MAY11	0	14	1,998.56		EA/SB =16 ;					
1202-0035	Review, Check Drawings	10	25MAY11	25MAY11	08JUN11	08JUN11	0	14	2,897.80		EM/EM =12 ;	EA/SB =08 ;				
1202-0036	Drawings ready for FDR	1	09JUN11	09JUN11	09JUN11	09JUN11	0	14	0.00							
1202-0038	FDR	1	10JUN11	10JUN11	10JUN11*	10JUN11*	0	14	0.00							
1202-0042	Prep Req & Procurement Package	5	01MAR12*	01MAR12*	07MAR12	07MAR12	0	53	2,081.88			EM/EM =12 ;				
1202-0043	Submit Req to Procurement	1	07MAR12	07MAR12	07MAR12	07MAR12	0	53	0.00							
1202-0044	Procurement Processing	22	07MAR12	07MAR12	05APR12	05APR12	0	53	0.00							
1202-0045	Submit for Vendor Quotes	1	06APR12	06APR12	06APR12	06APR12	0	53	0.00							
1202-0046	Eval Quotes	43	06APR12	06APR12	06JUN12	06JUN12	0	53	173.49		EM/EM =1 ;					
1202-0048	Award / Order Approved	1	07JUN12	07JUN12	07JUN12	07JUN12	0	53	0.00							
1202-0049	Vendor Oversight	100	08JUN12	08JUN12	29OCT12	29OCT12	0	53	174.26		EM/EM =1 ;					
1202-0050	Receipt of Hardware	1	30OCT12	30OCT12	30OCT12	30OCT12	0	53	17,826.60			41=13,505 ;				
1202-0051	QA Inspection	10	30OCT12	30OCT12	12NOV12	12NOV12	0	54	399.30		EM/EM =1 ;	EM/ST =2 ;				
1202-0052	Resolve Procurement Issues	5	13NOV12	13NOV12	19NOV12	19NOV12	0	54	177.14		EM/EM =1					
1202-0055	Parts ready for installation	1	21NOV12	21NOV12	21NOV12	21NOV12	0	53	0.00							
1202-0056	Handling / Warehouse / Storage	16	31OCT12	31OCT12	21NOV12	21NOV12	0	53	111.08			em/st=1				
Job: 1203 - PF3 Support.-SMITH																
1203-0013	ME Analysis/CAD Model Iterations-Strrs/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A	0		0.00	100						
1203-0014	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A	0		0.00	100						
1203-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
1203-0021	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A	0		0.00	100						
1203-0029	Update CAD & Design Drawings (2mod/2dwgs)	115*	17AUG10A	17AUG10A	04FEB11	04FEB11	0	11	3,456.74	80	EM/EM =05 ;	EA/SB =22 ;				
1203-0030	N/A Dsg Drawings Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100						
1203-0032	Analysis & Validation of Design Complete	142*	07FEB11	04OCT10A	29APR11	29APR11	0	11	4,874.14	10	EA/SB =02 ;	EA/EM =24 ;				
1203-0033	Update CAD Models per Validation	10	02MAY11	02MAY11	13MAY11	13MAY11	0	11	249.82		EA/SB =02 ;					
1203-0034	Revise Fabrication & Assembly Drawings per Valid	10	16MAY11	16MAY11	27MAY11	27MAY11	0	11	999.28		EA/SB =08 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl't	FY					
											FY11	FY12	FY13	FY14	FY15	
1205-0030	Design Drawings (11dwgs)	35	21FEB11	23FEB11	12APR11	12APR11	0	20	12,257.76		EM/EM =08 ; EA/SB =88 ;					
1205-0032	Validation of Design Complete	10	13APR11	13APR11	26APR11	26APR11	0	20	2,890.20		EA/EM =15 ;					
1205-0033	Update CAD Models per Validation	10	27APR11	27APR11	10MAY11	10MAY11	0	20	1,873.65		EA/SB =15 ;					
1205-0034	Revise Fabrication & Assembly Drawings per Valid	10	11MAY11	11MAY11	24MAY11	24MAY11	0	20	5,496.04		EA/SB =44 ;					
1205-0035	Review, Check Drawings	4	25MAY11	25MAY11	01JUN11	31MAY11	1	20	7,494.32		EM/EM =30 ; EA/SB =22 ;					
1205-0036	Drawings ready for FDR	1	02JUN11	01JUN11	02JUN11	01JUN11	1	20	0.00							
1205-0038	FDR	1	03JUN11*	29JUN11*	03JUN11	29JUN11	-18	1	0.00							
1205-0042	Prep Req & Procurement Package	10	01AUG12*	01AUG12*	14AUG12	14AUG12	0	57	6,939.60			EM/EM =40 ;				
1205-0043	Submit Req to Procurement	1	14AUG12	14AUG12	14AUG12	14AUG12	0	57	0.00							
1205-0044	Procurement Processing	22	14AUG12	14AUG12	13SEP12	13SEP12	0	57	0.00							
1205-0045	Submit for Vendor Quotes	1	14SEP12	14SEP12	14SEP12	14SEP12	0	57	0.00							
1205-0046	Eval Quotes	43	14SEP12	14SEP12	13NOV12	13NOV12	0	57	1,409.65		EM/EM =08 ;					
1205-0047	Tech Eval of Vendors	43	14SEP12	14SEP12	13NOV12	13NOV12	0	57	1,409.65		EM/EM =08 ;					
1205-0048	Award / Order Approved	1	14NOV12	14NOV12	14NOV12	14NOV12	0	57	0.00							
1205-0049	Fab & Deliver incl Vendor Oversight	102	15NOV12	15NOV12	18APR13	18APR13	0	57	188,224.04			EM/EM =10 ; 41=141,252				
1205-0050	Receipt of Hardware	4	19APR13	19APR13	24APR13	24APR13	0	57	0.00							
1205-0051	QA Inspection	10	25APR13	25APR13	08MAY13	08MAY13	0	57	7,457.52		EM/EM =12 ; EM/ST =48 ;					
1205-0052	Resolve Procurement Issues	5	09MAY13	09MAY13	15MAY13	15MAY13	0	57	354.28				EM/EM =02 ;			
1205-0053	Documentation: Assembly Procedures	10	16MAY13	16MAY13	30MAY13	30MAY13	0	57	3,393.68		EM/EM =16 ; EA/SB =04 ;					
1205-0054	Assembly of Components	15	31MAY13	31MAY13	20JUN13	20JUN13	0	57	4,263.12		EM/EM =04 ; EM/ST =32 ;					
1205-0055	Parts ready for installation	1	21JUN13	21JUN13	21JUN13	21JUN13	0	57	0.00							
1205-0056	Handling / Warehouse / Storage	3	24JUN13	24JUN13	26JUN13	26JUN13	0	195	888.64				EM/ST =08 ;			
Upper Umbrella																
1205-0066	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A	01JUN10A	0		0.00	100						
1205-0067	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A	0		0.00	100						
1205-0068	Complete Preliminary CAD Models	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A	0		0.00	100						
1205-0069	Mockups:CS Struct Real Estate Issues	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A	0		0.00	100						
1205-0071	ME Analysis/CAD Model Iterations-Stress/EM/Therml	32	03MAY10A	03MAY10A	16JUN10A	16JUN10A	0		0.00	100						
1205-0072	Analysis of Preliminary Design Approved	1	16JUN10A	16JUN10A	16JUN10A	16JUN10A	0		0.00	100						
1205-0074	PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A	0		0.00	100						
1205-0076	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A	0		0.00	100						
1205-0079	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A	0		0.00	100						
1205-0081	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A	0		0.00	100						
1205-0086	Final Dsgn Eng Iterations, DetailCAD (15mod)	127*	03SEP10A	17AUG10A	04FEB11	22FEB11	-12	20	18,387.53	50	EM/EM =20 ; EA/SB =125 ;					
1205-0087	Final Design Analysis	127*	03SEP10A	17AUG10A	04FEB11	22FEB11	-12	20	46,062.47	30	EA/EM =180 ; EM/EM =80 ;					
1205-0088	Design Drawings (11dwgs)	35	07FEB11	23FEB11	22APR11	12APR11	8	20	12,257.76		EM/EM =8 ; EA/SB =88 ;					
1205-0090	Validation of Design Complete	10	25APR11	13APR11	06MAY11	26APR11	8	20	2,890.20		EA/EM =15 ; EA/SB =0 ;					
1205-0091	Update CAD Models per Validation	10	09MAY11	27APR11	20MAY11	10MAY11	8	20	1,873.65		EA/SB =15 ;					
1205-0092	Revise Fabrication & Assembly Drawings per Valid	10	23MAY11	11MAY11	06JUN11	24MAY11	8	20	5,496.04		EA/SB =44 ;					
1205-0093	Review, Check Drawings	4	07JUN11	25MAY11	13JUN11	31MAY11	9	20	7,494.32		EM/EM =30 ; EA/SB =22 ;					
1205-0094	Drawings ready for FDR	1	14JUN11	01JUN11	14JUN11	01JUN11	9	20	0.00							
1205-0096	FDR	1	15JUN11*	29JUN11*	15JUN11	29JUN11	-10	1	0.00							
1205-0100	Prep Req & Procurement Package	10	01NOV12*	01NOV12*	14NOV12	14NOV12	0	90	7,085.60			EM/EM =40 ;				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
1205-0101	Submit Req to Procurement	1	14NOV12	14NOV12	14NOV12	14NOV12	0	90	0.00							
1205-0102	Procurement Processing	22	14NOV12	14NOV12	17DEC12	17DEC12	0	90	0.00							
1205-0103	Submit for Vendor Quotes	1	18DEC12	18DEC12	18DEC12	18DEC12	0	90	0.00							
1205-0104	Eval Quotes	43	18DEC12	18DEC12	25FEB13	25FEB13	0	90	1,417.12							
1205-0105	Tech Eval of Vendors	43	18DEC12	18DEC12	25FEB13	25FEB13	0	90	1,417.12							
1205-0106	Award / Order Approved	1	26FEB13	26FEB13	26FEB13	26FEB13	0	90	0.00							
1205-0107	Vendor Oversight	102	27FEB13	27FEB13	23JUL13	23JUL13	0	90	7,085.60							
1205-0108	Receipt of Hardware	5	24JUL13	24JUL13	30JUL13	30JUL13	0	90	186,452.64							
1205-0109	QA Inspection	10	31JUL13	31JUL13	13AUG13	13AUG13	0	90	7,457.52							
1205-0110	Resolve Procurement Issues	5	14AUG13	14AUG13	20AUG13	20AUG13	0	90	354.28							
1205-0111	Documentation: Assembly Procedures	10	21AUG13	21AUG13	04SEP13	04SEP13	0	90	3,393.68							
1205-0112	Assembly of Components	15	05SEP13	05SEP13	25SEP13	25SEP13	0	90	4,263.12							
1205-0113	Parts ready for installation	1	26SEP13	26SEP13	26SEP13	26SEP13	0	90	0.00							
1205-0114	Handling / Warehouse / Storage	3	27SEP13	27SEP13	01OCT13	01OCT13	0	133	898.67							
Job: 1206 - Pedestal -SMITH																
1206-0008	Input F/Analysis Group:Interface Detail to CS	1	01JUN10A	01JUN10A	01JUN10A	01JUN10A	0		0.00	100						
1206-0009	Dsgn Eng/CAD Models: Iteration, Optimiztn, Updt	10	18MAY10A	18MAY10A	01JUN10A	01JUN10A	0		0.00	100						
1206-0010	Complete Preliminary CAD Models	10	01JUN10A	01JUN10A	14JUN10A	14JUN10A	0		0.00	100						
1206-0013	ME Analysis/CAD Model Iterations-Strss/EM/Therml	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A	0		0.00	100						
1206-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A	0		0.00	100						
1206-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
1206-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A	0		0.00	100						
1206-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A	10AUG10A	0		0.00	100						
1206-0023	PDR CAD model Compld-Outr supp ring/clamp/sprng	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A	0		0.00	100						
1206-0028	Final Dsgn Eng Iteration, Dett CAD Model (11mod)	135*	17AUG10A	17AUG10A	04MAR11	04MAR11	0	11	15,442.32	50						
1206-0029	Final Design Analysis	135*	17AUG10A	17AUG10A	04MAR11	04MAR11	0	11	17,439.35	20						
1206-0030	Design Drawings (8dwg)	35	07MAR11	07MAR11	22APR11	22APR11	0	11	8,943.50							
1206-0032	Validation of Design Complete	10	25APR11	25APR11	06MAY11	06MAY11	0	11	5,780.40							
1206-0033	Update CAD Models per Validation	10	09MAY11	09MAY11	20MAY11	20MAY11	0	11	2,373.29							
1206-0034	Revise Fabrication & Assembly Drawings per Valid	10	23MAY11	23MAY11	06JUN11	06JUN11	0	11	3,997.12							
1206-0035	Review, Check, Drawings	5	07JUN11	07JUN11	13JUN11	13JUN11	0	11	5,320.97							
1206-0036	Drawings ready for FDR	1	14JUN11	14JUN11	14JUN11	14JUN11	0	11	0.00							
1206-0038	FDR	1	15JUN11*	29JUN11*	15JUN11	29JUN11	-10	1	0.00							
1206-0042	Prep Req & Procurement Package	10	02JAN13*	02JAN13*	15JAN13	15JAN13	0	76	5,668.48							
1206-0043	Submit Req to Procurement	1	15JAN13	15JAN13	15JAN13	15JAN13	0	76	0.00							
1206-0044	Procurement Processing	22	15JAN13	15JAN13	13FEB13	13FEB13	0	76	0.00							
1206-0045	Submit for Vendor Quotes	1	14FEB13	14FEB13	14FEB13	14FEB13	0	76	0.00							
1206-0046	Eval Quotes	43	14FEB13	14FEB13	15APR13	15APR13	0	76	1,417.12							
1206-0047	Tech Eval of Vendors	43	14FEB13	14FEB13	15APR13	15APR13	0	76	1,417.12							
1206-0048	Award / Order Approved	1	16APR13	16APR13	16APR13	16APR13	0	76	0.00							
1206-0049	Vendor Oversight	102	17APR13	17APR13	11SEP13	11SEP13	0	76	1,417.12							
1206-0050	Receipt of Hardware	5	12SEP13	12SEP13	18SEP13	18SEP13	0	76	62,990.40							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY				
											FY11	FY12	FY13	FY14	FY15
1206-0051	QA Inspection	10	19SEP13	19SEP13	02OCT13	02OCT13	0	76	2,502.67		EM/EM =04 ; EM/ST =16 ;				
1206-0052	Resolve Procurement Issues	5	03OCT13	03OCT13	09OCT13	09OCT13	0	76	366.28			em/em=2			
1206-0053	Documentation: Assembly Procedures	15	10OCT13	10OCT13	30OCT13	30OCT13	0	76	6,438.88			EM/EM =32; ea/sb=4			
1206-0054	Assembly of Components	20	31OCT13	31OCT13	27NOV13	27NOV13	0	76	9,919.76			em/st=80;em/em=4			
1206-0055	Parts ready for installation	1	02DEC13	02DEC13	02DEC13	02DEC13	0	76	0.00						
1206-0057	Handling / Warehouse / Storage	5	03DEC13	03DEC13	09DEC13	09DEC13	0	76	1,378.08				EM/ST =12 ;		

Job: 1207 - Vessel Legs -SMITH

1207-0013	ME Analysis/CAD Model Iterations-Stress/EM/Thermal	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A	0		0.00	100					
1207-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A	0		0.00	100					
1207-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100					
1207-0021	DOE CD-2 (Lehman) Review	1	10AUG10A	10AUG10A	10AUG10A	10AUG10A	0		0.00	100					
1207-0028	Updt CAD & Dsgn Dwgs, (3 CAD/2dwg)	132*	17AUG10A	17AUG10A	04FEB11	01MAR11	-17	11	4,143.71	70		EM/EM =07 ; EA/SB =25 ;			
1207-0030	N/A Dsgn Drawing Ready for Checking & Validation	1	16AUG10A	16AUG10A	16AUG10A	16AUG10A	0		0.00	100					
1207-0032	Analysis & Validation of Design Complete	142*	07FEB11	04OCT10A	29APR11	29APR11	0	11	1,541.44	50		Ea/EM=8			
1207-0033	Update CAD Models per Validation	10	02MAY11	02MAY11	13MAY11	13MAY11	0	11	374.73			EA/SB =03 ;			
1207-0034	Revise Fabrication & Assembly Drawings per Valid	10	16MAY11	16MAY11	27MAY11	27MAY11	0	11	999.28			EA/SB =08 ;			
1207-0035	Review, Check Drawings	10	31MAY11	31MAY11	13JUN11	13JUN11	0	11	1,448.90			EM/EM =06 ; EA/SB =04 ;			
1207-0036	Drawings ready for FDR	1	14JUN11	14JUN11	14JUN11	14JUN11	0	11	0.00						
1207-0038	FDR	1	15JUN11*	29JUN11*	15JUN11	29JUN11	-10	1	0.00						
1207-0042	Prep Req & Procurement Package	3	01FEB13*	01FEB13*	05FEB13	05FEB13	0	132	3,188.52				EM/EM =18 ;		
1207-0043	Submit Req to Procurement	1	05FEB13	05FEB13	05FEB13	05FEB13	0	132	0.00						
1207-0044	Procurement Processing	22	05FEB13	05FEB13	06MAR13	06MAR13	0	132	0.00						
1207-0045	Submit for Vendor Quotes	1	07MAR13	07MAR13	07MAR13	07MAR13	0	132	0.00						
1207-0046	Eval Quotes	43	07MAR13	07MAR13	06MAY13	06MAY13	0	132	177.14				em/em=1		
1207-0048	Award / Order Approved	1	07MAY13	07MAY13	07MAY13	07MAY13	0	132	0.00						
1207-0050	Receipt of Hardware	60	08MAY13	08MAY13	02AUG13	02AUG13	0	132	5,095.20				41=3,860 ;		
1207-0051	QA Inspection	15	05AUG13	05AUG13	23AUG13	23AUG13	0	132	177.14				EM/EM =01 ;		
1207-0052	Resolve Procurement Issues	20	26AUG13	26AUG13	23SEP13	23SEP13	0	132	0.00						
1207-0055	Parts ready for installation	1	24SEP13	24SEP13	24SEP13	24SEP13	0	132	0.00						
1207-0056	Handling warehouse storage	1	25SEP13	25SEP13	25SEP13	25SEP13	0	132	111.08					em/st=1	

Job: 1208 - PF4&5 Verticle Support-SMITH

1208-0009	Dsgn Eng/CAD Models: Iteration, Optimizatn, Updt	20	03MAY10A	03MAY10A	28MAY10A	28MAY10A	0		0.00	100					
1208-0010	Complete Preliminary CAD Models	5	02JUN10A	02JUN10A	08JUN10A	08JUN10A	0		0.00	100					
1208-0011	Mockups:PF4/5 Vert Supp Struct Real Estate Issue	66	03MAY10A	03MAY10A	04AUG10A	04AUG10A	0		0.00	100					
1208-0013	ME Analysis/CAD Model Iterations-Stress/EM/Thermal	24	19MAY10A	19MAY10A	22JUN10A	22JUN10A	0		0.00	100					
1208-0014	Analysis of Preliminary Design Approved	1	22JUN10A	22JUN10A	22JUN10A	22JUN10A	0		0.00	100					
1208-0016	PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100					
1208-0018	Dsgn Eng & CAD Models: Iterations, Optim & Updat	38	24JUN10A	24JUN10A	17AUG10A	17AUG10A	0		0.00	100					
1208-0021	DOE CD-2 (Lehman) Review	1	18AUG10A	18AUG10A	18AUG10A	18AUG10A	0		0.00	100					
1208-0028	Det Dsgn Eng, CAD (42 CAD)	118*	16AUG10A	16AUG10A	04FEB11	08FEB11	-2	4	21,235.72	60		EM/EM =38 ; EA/SB =126 ;			
1208-0029	Final Design Analysis	118*	16AUG10A	16AUG10A	04FEB11	08FEB11	-2	4	37,350.80	50		EA/EM =200 ; EA/SB =0 ;			
1208-0030	Design Drawings (23 dwg)	60	07FEB11	09FEB11	29APR11	03MAY11	-2	4	25,673.01			EM/EM =17 ; EA/SB =184 ;			

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
1208-0032	Validation of Design Complete	10	02MAY11	04MAY11	13MAY11	17MAY11	-2	4	5,780.40							
1208-0033	Update CAD Models per Validation	10	16MAY11	18MAY11	27MAY11	01JUN11	-2	4	5,246.22							
1208-0034	Revise Fabrication & Assembly Drawings per Valid	10	31MAY11	02JUN11	13JUN11	15JUN11	-2	4	11,491.72							
1208-0035	Review, Check Drawings	5	14JUN11	16JUN11	20JUN11	22JUN11	-2	4	13,023.52							
1208-0036	Drawings ready for FDR	1	21JUN11	23JUN11	21JUN11	23JUN11	-2	4	0.00							
1208-0038	FDR	1	22JUN11*	29JUN11*	22JUN11	29JUN11	-5	1	0.00							
1208-0042	Prep Req & Procurement Package	10	02JUL12*	02JUL12*	16JUL12	16JUL12	0	62	5,551.68							
1208-0043	Submit Req to Procurement	1	16JUL12	16JUL12	16JUL12	16JUL12	0	62	0.00							
1208-0044	Procurement Processing	22	16JUL12	16JUL12	14AUG12	14AUG12	0	62	0.00							
1208-0045	Submit for Vendor Quotes	1	15AUG12	15AUG12	15AUG12	15AUG12	0	62	0.00							
1208-0046	Eval Quotes	43	15AUG12	15AUG12	15OCT12	15OCT12	0	62	1,395.39							
1208-0047	Tech Eval of Vendors	43	15AUG12	15AUG12	15OCT12	15OCT12	0	62	2,790.78							
1208-0048	Award / Order Approved	1	16OCT12	16OCT12	16OCT12	16OCT12	0	62	0.00							
1208-0049	Fab & Deliver incl Vendor Oversight	102	17OCT12	17OCT12	20MAR13	20MAR13	0	62	107,986.40							
1208-0050	Receipt of Hardware	5	21MAR13	21MAR13	27MAR13	27MAR13	0	62	0.00							
1208-0051	QA Inspection	10	28MAR13	28MAR13	10APR13	10APR13	0	62	2,041.52							
1208-0052	Resolve Procurement Issues	5	11APR13	11APR13	17APR13	17APR13	0	62	354.28							
1208-0053	Documentation: Assembly Procedures	10	18APR13	18APR13	01MAY13	01MAY13	0	62	4,251.36							
1208-0054	Assembly of Components	15	02MAY13	02MAY13	22MAY13	22MAY13	0	62	9,594.96							
1208-0055	Parts ready for installation	1	23MAY13	23MAY13	23MAY13	23MAY13	0	62	0.00							
1208-0057	Handling / Warehouse / Storage	5	24MAY13	24MAY13	31MAY13	31MAY13	0	121	2,665.92							
Job: 1220 - Misc Structural Design-SMITH																
1220-0016	Final Design Oversight (LOE)	180*	01OCT10	01OCT10A	22JUN11	22JUN11	0	2,302	82,902.04	LOE						
1220-0017	Design/Analysis support from EMEM (Willard)	73*	01NOV10*	04OCT10A	23DEC10	24JAN11	-16	2,408	50,627.20	10						
1220-0017A	Analysis VV Dome & PF2/3 Rib	78*	05OCT10A	05OCT10A	01FEB11	01FEB11	0	2,402	6,328.40	50						
1220-0017B	VV & Support Structure - Peer Review	0			30MAR11*	30MAR11*	0	2,361	0.00	10						
1220-0020	Prep for FDR	5	24JUN11*	13JUN11*	30JUN11	17JUN11	9	9	6,328.40							
1220-0031	Misc/admin	78	05OCT10A	05OCT10A	27MAY11	28JUN11	-21	2,298	27,928.42							
1220-1 PDR	Prelim Design Oversight	38	03MAY10A	03MAY10A	24JUN10A	24JUN10A	0		0.00	100						
1220-2 FDR	Final Design Oversight (LOE)	190*	25JUN10A	25JUN10A	30SEP10A	30SEP10A	0		40,250.16	100						
Job: 1300 - Center Stack-CHRZANOWSKI																
1300-0010	Engineering & Dsgn Supp-Final Design (LOE)	249*	03MAY10A	03MAY10A	29APR11	29APR11	0	134	272,028.55	LOE						
1300-0011	Engineering and Design Support-Title III	698	02MAY11	02MAY11	21FEB14	21FEB14	0	134	746,937.73							
FY101300	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A	0		48,143.00	100						
FY101300A	FY10 Actual Cost (Corresponds to BCWP)	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		-4,688.00							
Job: 1301 - Outer TF Coils-CHRZANOWSKI																
1301-0010	Revise Outer TF Coil (OTF) Drawings	20	02JUL12*	02JUL12*	30JUL12	30JUL12	0	103	19,198.88							
1301-0020	Generate Spec & SOW for OTF Purchase	10	31JUL12	31JUL12	13AUG12	13AUG12	0	103	0.00							
1301-0030	Prep Requisition & Submit to Procurement'	5	14AUG12	14AUG12	20AUG12	20AUG12	0	103	0.00							
1301-0040	Bid & Award OTF Manufacturing	30	21AUG12	21AUG12	02OCT12	02OCT12	0	103	0.00							
1301-0050	Provide Existing OTF Tooling to Vendor	1	03OCT12	03OCT12	03OCT12	03OCT12	0	103	0.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
1301-0060	Manufacture (1) OTF Coil	150	04OCT12	04OCT12	14MAY13	14MAY13	0	103	122,790.00							
1301-0100	Prep Requisitions & Submit to Procurement	15	04SEP12*	04SEP12*	24SEP12	24SEP12	0	190	0.00							
1301-0110	Bid & Award Al Supp Castings & SS Supp Clamps	30	25SEP12	25SEP12	05NOV12	05NOV12	0	190	0.00							
1301-0120	Fab & Del Al Supp Castings & SS Supp Clamps	40	06NOV12	06NOV12	11JAN13	11JAN13	0	190	22,625.28							
1301-0150	Bid & Award Epoxy/Glass for support blocks	30	25SEP12	25SEP12	05NOV12	05NOV12	0	190	0.00							
1301-0160	Fab & Del Epoxy/Glass	40	06NOV12	06NOV12	11JAN13	11JAN13	0	190	24,037.92							
1301-0180	Purchase Copper Fittings	20	25SEP12	25SEP12	22OCT12	22OCT12	0	240	1,971.00							
1301-0200	Setup work area to install Supports	10	01MAY13	01MAY13	14MAY13	14MAY13	0	103	17,772.80							
1301-0210	Install alum blocks & SS support clamps	30	15MAY13	15MAY13	26JUN13	26JUN13	0	103	52,292.00							
1301-0300	Fab Drill Jig for add'l holes in all OTF Flags	5	01OCT13*	01OCT13*	07OCT13	07OCT13	0	79	11,343.60							
1301-0310	Drill (24) Add'l holes in all OTF Flags	50	08OCT13	08OCT13	18DEC13	18DEC13	0	79	45,936.00							
FY101301	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A	0		1,607.00	100						
FY101301A	FY10 Actual Cost	20	03MAY10A	03MAY10A	28MAY10A	28MAY10A	0		18,245.00							
Job: 1303 - R&D for TF Joint -KOZUB																
Material for CSU R&D Plan																
1303-000A	1.2 Fatigue Test Verification - C18150 (TBD)	57*	01SEP10A	01SEP10A	19NOV10	19NOV10	0	129	0.00	60						
Single Flex Laminate CSU R&D Plan																
1303-000B2	2.2 In-Place Bending Stiffness	73*	01SEP10A	01SEP10A	15DEC10	15DEC10	0	119	0.00	20						
1303-000B3	2.3 Cyclic, Simulated Combined Tests	73*	01SEP10A	01SEP10A	15DEC10	15DEC10	0	119	0.00	20						
Full Flex Assembly CSU R&D Plan																
1303-000C1	3.1 Selection Braze vs Solder Between Laminates	1	15SEP10A	15SEP10A	15SEP10A	15SEP10A	0		0.00	100						
1303-000C2	3.2 Manufacture Joint w/Actual Hardware & Copper	1	01OCT10*	01NOV10*	01OCT10	01NOV10	-21	149	0.00							
1303-000C3	3.3 Materials for Testing	22*	15OCT10*	15OCT10A	15NOV10	15NOV10	0	139	0.00	40						
1303-000C4	3.4 In-plane Bending Stiffnes (use Joint Sample)	22*	15OCT10*	15OCT10A	15NOV10	15NOV10	0	139	0.00	20						
1303-000C5	3.5 Cyclic, Simulated Combine Test(Joint Sample)	42*	01OCT10*	15OCT10A	15DEC10	15DEC10	0	119	0.00	10						
1303-000C6	3.6 Contact Pressure Distribtn/Therml Joint Tst	42*	15OCT10*	15OCT10A	15DEC10	15DEC10	0	119	0.00	20						
FSW Trials CSU R&D Plan																
1303-000D1	4.2 Verify C18150 can be Joint C10700 Conductors	1	10SEP10A	10SEP10A	10SEP10A	10SEP10A	0		0.00	100						
Joint Inserts CSU R&D Plan																
1303-000E	5.1 Tap-Lok Insert Pullout Strength-Static/Fatig	34*	22NOV10*	13OCT10A	05JAN11	01DEC10	19	129	0.00	60						
Insulation Bond Test CSU R&D Plan																
1303-000F	6.1 Verify Shear Bond Strength Copper/Epoxy/Insu	1	29OCT10*	01NOV10*	29OCT10	01NOV10	-1	149	0.00							
OH TIG Braze Test CSU R&D Plan																
1303-000G	7.1 Layer t/LayerBraze Tst after Conductor Proc	1	01OCT10*	01NOV10*	01OCT10	01NOV10	-21	149	0.00							
OH Conductor Brazes CSU R&D Plan																
1303-000H	8.1 Inline Braze Test after Conductor Procuremnt	1	01OCT10*	01NOV10*	01OCT10	01NOV10	-21	149	0.00							
OH-TF Spacer Test CSU R&D Test																
1303-000I	9.1 Test MTRL/Process t/Manufactg to 0.1" Gap	1	01OCT10*	01NOV10*	01OCT10	01NOV10	-21	149	0.00							
Testing																
1303-001	Test Engineering Design and Analysis	245*	01MAY10A	01MAY10A	25APR11	25APR11	0	47	53,002.13	40						
1303-002	Materials Testing	245*	01MAY10A	01MAY10A	25APR11	25APR11	0	47	7,645.36	40						
1303-003	Component Testing	245*	01MAY10A	01MAY10A	25APR11	25APR11	0	47	10,925.26	40						
1303-004	Assembly Testing	160*	01SEP10A	01SEP10A	25APR11	25APR11	0	47	19,030.81	40						
1303-005	Model Fabrication	245*	01MAY10A	01MAY10A	31AUG10A	31AUG10A	0		0.00	100						
1303-011	Testing Design Support and M&S	139	01OCT10*	01OCT10A	25APR11	24MAY11	-21	26	212,541.38							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY11					FY12					FY13					FY14					FY15					
FY101303	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A	0		28,278.00	100																										
FY101303A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		21,454.00																											
Job: 1304 - Inner TF Bundle (Ds/Fab)-CHRZANOWSKI																																				
Inner TF Bundle Design																																				
1304-0050	Perform Add'l Friction Stir Weld Trials-Phase II	75	01SEP10A	01SEP10A	01OCT10A	01OCT10A	0		0.00	100																										
1304-0060	Fabricate Flex Bus Assy's for Testing (2)	42*	01SEP10A	01SEP10A	29OCT10	29OCT10A	0		17,500.00	100																										
1304-0065	New Insulation Shear R&D Test	43*	16SEP10A	16SEP10A	15NOV10	15NOV10	0	139	27,269.77																											
1304-0065B	Second Insulation Shear R&D Test (60k cycle tes	60	24NOV10*	24NOV10*	25FEB11	25FEB11	0	73	22,680.00																											
1304-0110	Design-Analyze Tension Strap	15	24JUN10A	24JUN10A	15JUL10A	15JUL10A	0		0.00	100																										
1304-0130	Complete Analysis if TF Flex Bus	24	26JUL10A	26JUL10A	26AUG10A	26AUG10A	0		0.00	100																										
1304-0140	Complete & Check Thermal Stresses	15	16JUL10A	16JUL10A	05AUG10A	05AUG10A	0		0.00	100																										
1304-0150	Maintain input to Willards Flex Model (LOE)	128*	24JUN10A	24JUN10A	03JAN11	03JAN11	0	112	7,250.29	LOE																										
1304-0160	Check Willards/Tooling/Fixturing Calculations	40	03JAN11*	03JAN11*	25FEB11	25FEB11	0	73	23,121.60																											
1304-0170	N/R Tooling/Fixturing Calculations	45	31AUG10A	31AUG10A	31AUG10A	31AUG10A	0		0.00	100																										
1304-0180	N/R Calculation/Write/Check Files	80	31AUG10A	31AUG10A	31AUG10A	31AUG10A	0		0.00	100																										
1304-0190	Analyze Pins & Crown	101*	24JUN10A	24JUN10A	15OCT10	15NOV10	-21	84	35,640.73	75																										
1304-0210	Pedestal/Lower Skirt/TF Teeth Analysis	104	02AUG10A	02AUG10A	05JAN11	03FEB11	-21	84	37,078.13	60																										
1304-0220	Finish Torque for Upper Teeth & Covers Post Proc	124	02AUG10A	02AUG10A	02FEB11	03MAR11	-21	84	7,455.84	50																										
1304-0230	DCPS Input	160	24JUN10A	24JUN10A	16FEB11	17MAR11	-21	59	18,460.20	30																										
1304-0250	Complete Detail and Assembly CAD Drawings	160	24JUN10A	24JUN10A	29APR11	31MAY11	-21	7	68,309.47	50																										
1304-0260	Prepare for FDR	15	02MAY11	01JUN11	20MAY11	21JUN11	-21	7	4,996.40																											
Manufacture Inner TF Conductor																																				
1304-0460	Generate SOW for TF Conductor	20*	01OCT10A	01OCT10A	28OCT10	28OCT10A	0		0.00	100																										
1304-0480	Prep Req for TF Conductor & Submit to Proc	25*	01OCT10A	01OCT10A	04NOV10	29OCT10A	4		0.00	20																										
1304-0500	Bid & Award TF Conductor-Copper Extrusions	30	05NOV10	05NOV10*	20DEC10	20DEC10	0	57	0.00																											
1304-0600	Manufacture TF Conductor-Copper Extrusions (80)	90	21DEC10	21DEC10	03MAY11	03MAY11	0	57	304,920.00																											
1304-0730	Prep Req to Mach Conductors & Submit to Proc	5	16MAR11	16MAR11	22MAR11	22MAR11	0	57	0.00																											
1304-0740	Bid & Award Contract to Machine Conductors	30	23MAR11	23MAR11	03MAY11	03MAY11	0	57	0.00																											
1304-0750	Machine TF Conductors (Cling Grooves, Lead Areas)	65	04MAY11	04MAY11	04AUG11	04AUG11	0	57	321,300.00																											
1304-0750A	Deliver 1st 25 Machined Conductors	1	30JUN11	30JUN11	30JUN11	30JUN11	0	82	0.00																											
1304-0750B	Deliver 2nd 20 Machined Conductors	1	05AUG11	05AUG11	05AUG11	05AUG11	0	57	0.00																											
1304-0770	Prep Req for Cu-Cr-Zr TF Lead Extensions	10	17MAR11	17MAR11	30MAR11	30MAR11	0	17	0.00																											
1304-0780	Bid & Award TF Lead Extensions	30	31MAR11	31MAR11	11MAY11	11MAY11	0	17	0.00																											
1304-0790	Fab & Del TF Lead Extensions	100	12MAY11	12MAY11	03OCT11	03OCT11	0	17	63,015.00																											
1304-0830	Prep Req for Friction Stir Welding	5	15AUG11*	15AUG11*	19AUG11	19AUG11	0	17	0.00																											
1304-0840	Bid & Award Friction Stir Welding	30	22AUG11	22AUG11	03OCT11	03OCT11	0	17	0.00																											
1304-0850	Friction Stir-Weld Coil Leads to Conductors	60	04OCT11	04OCT11	05JAN12	05JAN12	0	17	328,950.00																											
1304-0850A	Deliver 1st 20 FSW Conductors	1	01DEC11	01DEC11	01DEC11	01DEC11	0	37	0.00																											
1304-0850B	Deliver 2nd 25 FSW conductors	1	06JAN12	06JAN12	06JAN12	06JAN12	0	17	0.00																											
1304-0930	Prep Req for Final Conductor Machining	5	09NOV11	09NOV11	15NOV11	15NOV11	0	17	0.00																											
1304-0940	Bid & Award Final Conductor Machining	30	16NOV11	16NOV11	06JAN12	06JAN12	0	17	0.00																											
1304-0950	Machine TF Conductors (Fnl Lead Areas & Inserts)	40	09JAN12	09JAN12	02MAR12	02MAR12	0	17	131,580.00																											
1304-0950A	Receive 1st Delivery of Final Machined TF Cond	1	20FEB12	20FEB12	20FEB12	20FEB12	0	27	0.00																											
1304-0950B	Receive Balance of Final Machined TF Cond	1	05MAR12	05MAR12	05MAR12	05MAR12	0	17	0.00																											

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
Other Inner TF Bundle Hardware																
1304-1110	Prep Req for C151 (Cu-Zr) for Flex Bus	10	02JAN13*	02JAN13*	15JAN13	15JAN13	0	195	0.00							
1304-1112	Bid/Award- C151 for Flex Bus	30	16JAN13	16JAN13	26FEB13	26FEB13	0	195	0.00							
1304-1114	Fab & Deliver C151 for Flex Bus	40	27FEB13	27FEB13	23APR13	23APR13	0	195	39,600.00							
1304-1114A	Prep Req for Flex Bus Solder Bimetal Wafers	10	02JAN13*	02JAN13*	15JAN13	15JAN13	0	195	0.00							
1304-1114B	Bid/Award- for Flex Bus Solder Bimetal Wafers	30	16JAN13	16JAN13	26FEB13	26FEB13	0	195	0.00							
1304-1114C	Fab & Delive- for Flex Bus Solder Bimetal Wafers	40	27FEB13	27FEB13	23APR13	23APR13	0	195	39,600.00							
1304-1120	Prep Req for Flex Bus Fabrication	10	05AUG13*	05AUG13*	16AUG13	16AUG13	0	85	0.00							
1304-1122	Bid/Award Flex Bus Fabrication	30	19AUG13	19AUG13	30SEP13	30SEP13	0	85	0.00							
1304-1124	Fab & Deliver Flex Bus	60	01OCT13	01OCT13	06JAN14	06JAN14	0	85	153,930.00				41=111,000			
1304-1130	Prep Req for Cu-Cr-Zr (C1815) for OTF Lead Ext	10	01OCT12*	01OCT12*	12OCT12	12OCT12	0	161	0.00							
1304-1132	Bid/Award Cu-Cr-Zr for OTF Lead Ext	30	15OCT12	15OCT12	27NOV12	27NOV12	0	161	0.00							
1304-1134	Fab & Del Cu-Cr-Zr for OTF Lead Ext	60	28NOV12	28NOV12	28FEB13	28FEB13	0	161	107,197.92				41=78,000	EM/SM =24		
1304-1140	Prep Req for OTF Lead Ext (OTF to Flex)	10	04SEP12*	04SEP12*	17SEP12	17SEP12	0	160	0.00							
1304-1142	Bid/Award OTF Lead Ext (OTF to Flex)	30	18SEP12	18SEP12	29OCT12	29OCT12	0	160	0.00							
1304-1144	Fab & Del OTF Lead Ext (OTF to Flex)	80	30OCT12	30OCT12	01MAR13	01MAR13	0	160	66,000.00						41=50,000	
1304-1150	Prep ReqPrep Req for Supports for OTF Jumpers	10	01OCT12*	01OCT12*	12OCT12	12OCT12	0	161	0.00							
1304-1152	Bid/Award Supports for OTF Jumpers	30	15OCT12	15OCT12	27NOV12	27NOV12	0	161	0.00							
1304-1154	Fab/Deliver Supports for OTF Jumpers	60	28NOV12	28NOV12	28FEB13	28FEB13	0	161	66,000.00						41=50,000	
1304-1160	Prep Req Lower TF Coil to Bus Jump & Supp	10	03DEC12*	03DEC12*	14DEC12	14DEC12	0	138	0.00							
1304-1162	Bid/Award Lower TF Coil to Bus Jump & Supp	30	17DEC12	17DEC12	05FEB13	05FEB13	0	138	0.00							
1304-1164	Fab & Deliver Lower TF Coil to Bus Jump & Supp	40	06FEB13	06FEB13	02APR13	02APR13	0	138	31,680.00						41=24,000	
1304-1170	Prep Spec for Super Bolts	10	03SEP13*	03SEP13*	16SEP13	16SEP13	0	25	0.00							
1304-1172	Bid/Award Super Bolts	30	17SEP13	17SEP13	28OCT13	28OCT13	0	25	0.00							
1304-1174	Fab & Deliver Super Nuts	100	29OCT13	29OCT13	31MAR14	31MAR14	0	25	205,414.88					41=150,000	EM/SM =16	
1304-1180	Prep Req Joint Hardware	10	02NOV12*	02NOV12*	15NOV12	15NOV12	0	167	0.00							
1304-1182	Bid/Award Joint Hardware	30	16NOV12	16NOV12	09JAN13	09JAN13	0	167	0.00							
1304-1184	Fab & Deliver Joint Hardware	30	10JAN13	10JAN13	20FEB13	20FEB13	0	167	34,412.64					41=25,000	EM/SM =08	
1304-1190	Prep Spec Copper for Lead Ext for Upper ITF	10	02OCT12*	02OCT12*	15OCT12	15OCT12	0	160	0.00							
1304-1192	Bid/Award - Copper Lead Ext for Upper ITF	30	16OCT12	16OCT12	28NOV12	28NOV12	0	160	0.00							
1304-1194	Fab & Deliver Copper Lead Ext for Upper ITF	60	29NOV12	29NOV12	01MAR13	01MAR13	0	160	35,825.28					41=25,000	EM/SM =16	
1304-1210	Prep Req for Up/Lwr OF to TF Supp Struct	10	02OCT12*	02OCT12*	15OCT12	15OCT12	0	160	0.00							
1304-1212	Bid/Award Up/Lwr OH to TF Supp Struct	30	16OCT12	16OCT12	28NOV12	28NOV12	0	160	0.00							
1304-1214	Fab & Del Up/Lwr OH to TF Supp Struct	60	29NOV12	29NOV12	01MAR13	01MAR13	0	160	39,600.00						41=30,000	
1304-1220	Pre Req for Cooling Fittings	10	02OCT12*	02OCT12*	15OCT12	15OCT12	0	200	0.00							
1304-1222	Bid/Award Cooling Fittings	30	16OCT12	16OCT12	28NOV12	28NOV12	0	200	0.00							
1304-1224	Fab & Deliver Cooling Fittings	20	29NOV12	29NOV12	04JAN13	04JAN13	0	200	8,012.64						41=5,000	EM/SM =08
1304-1230	Prep Req for Tooling for Inst Flex Bus Segments	10	02OCT12*	02OCT12*	15OCT12	15OCT12	0	170	0.00							
1304-1232	Bid/Award-Tooling for Inst Flex Bus segments	30	16OCT12	16OCT12	28NOV12	28NOV12	0	170	0.00							
1304-1234	Fab/Del Tooling for Inst Flex Bus Segments	50	29NOV12	29NOV12	15FEB13	15FEB13	0	170	44,188.80						41=25,000	EA/SB =80
1304-1240	Prep req for Up/Lwr Teeth Interf Struct	10	10SEP12*	10SEP12*	21SEP12	21SEP12	0	176	0.00							
1304-1242	Bid/Award Up/Lwr Teeth Interf Struct	30	24SEP12	24SEP12	02NOV12	02NOV12	0	176	0.00							
1304-1244	Fab & Deliver Up/Lwr Teeth Interf Struct	60	05NOV12	05NOV12	07FEB13	07FEB13	0	176	66,000.00						41=50,000	

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY				
											FY11	FY12	FY13	FY14	FY15
1304-3604	Fab & Deliver Full TF Coil Mold	60	10MAY12	10MAY12	03AUG12	03AUG12	0	170	127,056.40						
1304-3700	Spec - VPI delivery system	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	166	0.00						
1304-3702	Bid/Award VPI Delivery System	30	08NOV11	08NOV11	21DEC11	21DEC11	0	166	0.00						
1304-3704	Fab & Deliver VPI Delivery System	60	22DEC11	22DEC11	22MAR12	22MAR12	0	166	43,206.40						
1304-3800	Spec - Lift beam- conductor	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	199	0.00						
1304-3802	Bid/Award Lift Beam Conductor	30	08NOV11	08NOV11	21DEC11	21DEC11	0	199	0.00						
1304-3804	Fab & Deliver Lift Beam for Conductor	40	22DEC11	22DEC11	23FEB12	23FEB12	0	199	28,053.20						
1304-3900	Spec - Lift Beam for coil	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	171	0.00						
1304-3902	Bid/Award - Lift Beam for Coil	30	08NOV11	08NOV11	21DEC11	21DEC11	0	171	0.00						
1304-3904	Fab & deliver Lift Beam for Coil	40	22DEC11	22DEC11	23FEB12	23FEB12	0	171	40,953.20						
1305-1900	Spec- Taping machines [2]	20	02JUL12*	02JUL12*	30JUL12	30JUL12	0	107	0.00						
1305-1902	Bid/Award - Taping Machines	30	31JUL12	31JUL12	11SEP12	11SEP12	0	107	0.00						
1305-1904	Fab & Deliver Taping Machines	60	01OCT12*	01OCT12*	03JAN13	03JAN13	0	94	33,000.00						
1305-2000	Spec- Tension unit	20	02JUL12*	02JUL12*	30JUL12	30JUL12	0	107	0.00						
1305-2002	Bid/Award Tension Unit	30	31JUL12	31JUL12	11SEP12	11SEP12	0	107	0.00						
1305-2004	Fab & Deliver Tension Unit	60	01OCT12*	01OCT12*	03JAN13	03JAN13	0	94	35,416.00						
1305-2100	Spec-Braze unit	20	01JUN12*	01JUN12*	28JUN12	28JUN12	0	108	0.00						
1305-2102	Bid/Award Braze Station	30	29JUN12	29JUN12	10AUG12	10AUG12	0	108	0.00						
1305-2104	Fab & Deliver Braze Station	80	13AUG12	13AUG12	05DEC12	05DEC12	0	108	130,725.00						
1305-2200	Spec-Braze fixture and work coil	20	02JUL12*	02JUL12*	30JUL12	30JUL12	0	107	0.00						
1305-2210	Bid/Award Braze Fixture for Work Coil	30	31JUL12	31JUL12	11SEP12	11SEP12	0	107	0.00						
1305-2220	Fab & Deliver Braze Fixture for Work Coil	60	01OCT12*	01OCT12*	03JAN13	03JAN13	0	94	26,529.60						
1305-2300	Spec Winding machine for OH	20	03JAN12*	03JAN12*	30JAN12	30JAN12	0	185	0.00						
1305-2310	Bid/Award Winding Machine for OH	60	31JAN12	31JAN12	23APR12	23APR12	0	185	0.00						
1305-2320	Fab & Deliver Winding Machine for OH	80	24APR12	24APR12	15AUG12	15AUG12	0	185	161,250.00						
1305-2400	Spec - Mold for OH-TF spacer [Aquapour]	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	287	0.00						
1305-2410	Bid/Award Mold for OH-TF Spacer	30	08NOV11	08NOV11	21DEC11	21DEC11	0	287	0.00						
1305-2420	Fab & Deliver Mold for OH-TF Spacer	60	22DEC11	22DEC11	22MAR12	22MAR12	0	287	12,900.00						
1305-2500	Spec - OH winding clamps- 4-sets	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	287	0.00						
1305-2510	Bid/Award OH Winding Clamps - 4 sets	30	08NOV11	08NOV11	21DEC11	21DEC11	0	287	0.00						
1305-2520	Fab & Deliver OH Winding Clamps 4 sets	60	22DEC11	22DEC11	22MAR12	22MAR12	0	287	25,800.00						
1305-2600	Spec - OH Mold	20	01JUN12*	01JUN12*	28JUN12	28JUN12	0	108	0.00						
1305-2610	Bid/Award OH Mold	30	29JUN12	29JUN12	10AUG12	10AUG12	0	108	0.00						
1305-2620	Fab & Deliver OH Mold	80	13SEP12*	13SEP12*	15JAN13	15JAN13	0	86	129,535.34						
1305-2650	Spec SandBlast Unit	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	96	0.00						
1305-2652	Bid/Award Sanblast Unit	30	08NOV11	08NOV11	21DEC11	21DEC11	0	96	0.00						
1305-2654	Fab & Deliver Sandblast Unit	80	22DEC11	22DEC11	19APR12	19APR12	0	96	32,404.80						
1305-2700	Miscellaneous tools & fixtures	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	267	0.00						
1305-2702	Bid/Award Misc Tools & Fixtures	30	08NOV11	08NOV11	21DEC11	21DEC11	0	267	0.00						
1305-2704	Fab & deliver Misc Tools & Fixtures	80	22DEC11	22DEC11	19APR12	19APR12	0	267	60,612.80						
1305-2800	Spec - "Aquapour"- castable material	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	287	0.00						
1305-2802	Bid/Award Aquapour	30	08NOV11	08NOV11	21DEC11	21DEC11	0	287	0.00						
1305-2820	Fab & Deliver Aquapour	60	22DEC11	22DEC11	22MAR12	22MAR12	0	287	12,900.00						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
1305-2900	Spec-Insulation [fiberg tape, teflon and gnd p	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	151	0.00							
1305-2902	Bid/Award - Insulation	30	08NOV11	08NOV11	21DEC11	21DEC11	0	151	0.00							
1305-2904	Fab & Deliver Insulation	60	22DEC11	22DEC11	22MAR12	22MAR12	0	151	25,800.00							
1305-3000	Epoxy- CTD-101	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	151	0.00							
1305-3002	Bid/Award Epoxy-CTD-101	30	08NOV11	08NOV11	21DEC11	21DEC11	0	151	0.00							
1305-3004	Fab & Deliver Epoxy-CTD-101	60	22DEC11	22DEC11	22MAR12	22MAR12	0	151	19,350.00							
1305-3100	Spec-Copper pre-tinned tubing [TF conductor]	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	54	0.00							
1305-3102	Bid/Award Copper pre-tinned tubing	30	08NOV11	08NOV11	21DEC11	21DEC11	0	54	0.00							
1305-3104	Fab & Deliver pre-tinned tubing	30	22DEC11	22DEC11	09FEB12	09FEB12	0	54	6,450.00							
1305-3200	G-10 Filler modifications	40	11OCT11*	11OCT11*	07DEC11	07DEC11	0	221	17,608.50							
1305-3300	Req/Order - Conductor primer	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	206	0.00							
1305-3310	Fab & Deliver Conductor Primer	40	08NOV11	08NOV11	12JAN12	12JAN12	0	206	2,580.00							
1305-3400	Req/Order-Safety and PPE equipment and supplies	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	54	0.00							
1305-3410	Fab & Deliver Safety & PPE	40	08NOV11	08NOV11	12JAN12	12JAN12	0	54	6,450.00							
1305-3500	Req/Order Miscellaneous supplies	30	11OCT11*	11OCT11*	21NOV11	21NOV11	0	171	0.00							
1305-3510	Fab & Deliver Misc Supplies	60	22NOV11	22NOV11	23FEB12	23FEB12	0	171	25,800.00							
1305-3600	Req/OrderRTV and silicone caulk for mold sealing	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	221	0.00							
1305-3610	Fab & Deliver RTV & Silicone for Mold Sealing	20	08NOV11	08NOV11	07DEC11	07DEC11	0	221	6,450.00							
1305-3700	Specify-valves & fittings (VPI Disposables)	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	171	0.00							
1305-3710	Bid/Award-Valves & Fittings (VPI)	30	08NOV11	08NOV11	21DEC11	21DEC11	0	171	0.00							
1305-3720	Fab & Deliver Valves-Fittings (VPI)	40	22DEC11	22DEC11	23FEB12	23FEB12	0	171	12,900.00							
1305-3800	spec-High &Low Temp Vac Tubing (VPI)	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	171	0.00							
1305-3810	Bid/Award High & Low Temp Vac Tubing (VPI)	30	08NOV11	08NOV11	21DEC11	21DEC11	0	171	0.00							
1305-3820	Fab & deliver High & Low Temp Vac Tube (VPI)	40	22DEC11	22DEC11	23FEB12	23FEB12	0	171	12,900.00							
1305-3900	Fabricate - VPI manifolds	40	11OCT11*	11OCT11*	07DEC11	07DEC11	0	221	28,208.00							
OH Conductor & Other Hardware																
1305-0920	Generate SOW for OH Conductor	20	16JUL12*	16JUL12*	10AUG12	10AUG12	0	83	0.00							
1305-0930	Prep Requisition & Submit to Procurement	5	13AUG12	13AUG12	17AUG12	17AUG12	0	83	0.00							
1305-0940	Bid & Award OH Conductor Fabrication	30	20AUG12	20AUG12	01OCT12	01OCT12	0	83	0.00							
1305-0950	Manufacture OH Copper Conductor	70	02OCT12	02OCT12	18JAN13	18JAN13	0	83	139,392.00							
1305-0960	Generate Requisition for Kapton/Glass Insulation	5	13AUG12*	13AUG12*	17AUG12	17AUG12	0	103	1,380.64							
1305-0980	Bid & Award Kapton/Glass Insulation	30	20AUG12	20AUG12	01OCT12	01OCT12	0	103	0.00							
1305-1000	Fab & Deliver Kapton/Glass Insulation	50	02OCT12	02OCT12	12DEC12	12DEC12	0	103	34,412.64							
1305-1010	Prep Requisition for Belleville Washer Assembly	10	13AUG12*	13AUG12*	24AUG12	24AUG12	0	98	0.00							
1305-1030	Bid & Award Belleville Washer Assembly	30	27AUG12	27AUG12	08OCT12	08OCT12	0	98	0.00							
1305-1050	Fab & Deliver Belleville Washer Assembly	50	09OCT12	09OCT12	19DEC12	19DEC12	0	98	46,200.00							
1305-1060	Prepare Requisition for G-10 Fillers	10	13AUG12*	13AUG12*	24AUG12	24AUG12	0	88	0.00							
1305-1080	Bid & Award G-10 Fillers	30	27AUG12	27AUG12	08OCT12	08OCT12	0	88	0.00							
1305-1100	Fab & Deliver G-10 Filers	60	09OCT12	09OCT12	11JAN13	11JAN13	0	88	46,200.00							
1305-1110	Prep Requisition for Lead Blocks & Cooling Fitti	10	13AUG12*	13AUG12*	24AUG12	24AUG12	0	68	0.00							
1305-1130	Bid & Award Lead Blocks & Cooling Fittings	30	27AUG12	27AUG12	08OCT12	08OCT12	0	68	0.00							
1305-1150	Fab & Deliver Lead Blocks & Cooling Fittings	80	09OCT12	09OCT12	08FEB13	08FEB13	0	68	39,600.00							
1305-1160	Prep Requisition for Misc Parts	10	20AUG12*	20AUG12*	31AUG12	31AUG12	0	83	0.00							

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											FY11	FY12	FY13	FY14	FY15	
1305-1180	Bid & Award Misc Parts	30	04SEP12	04SEP12	15OCT12	15OCT12	0	83	0.00							
1305-1200	Fab & Deliver Misc Parts	60	16OCT12	16OCT12	18JAN13	18JAN13	0	83	19,800.00							
1305-1210	Prep Requisition for OH Lwr Lead & Suppt Struct	10	20AUG12*	20AUG12*	31AUG12	31AUG12	0	83	0.00							
1305-1230	Bid & Award OH Lwr Lead & Supt Struct	30	04SEP12	04SEP12	15OCT12	15OCT12	0	83	0.00							
1305-1250	Fab & deliver OH Lwr Lead & Suppt Struct	60	16OCT12	16OCT12	18JAN13	18JAN13	0	83	33,000.00							
Inner TF Conductor Receipt/Inspection/Prep																
1304-1310	Inspect Machined TF Conductors	20	06MAR12	06MAR12	02APR12	02APR12	0	17	34,812.80							
1304-1330	Solder TF cooling tubes [40 conductors]	72	03APR12	03APR12	13JUL12	13JUL12	0	17	125,326.08							
1304-1340	Cleanup TF conductors- post solder	60	17MAY12	17MAY12	10AUG12	10AUG12	0	17	69,625.60							
1304-1350	Sandblast TF conductor length for primer	40	13AUG12	13AUG12	08OCT12	08OCT12	0	17	69,845.44							
1304-1360	Apply primer [40 TF conductors]	5	09OCT12	09OCT12	15OCT12	15OCT12	0	17	8,886.40							
Inner TF Quadrant 1																
1304-1510	Supervise TF/OH Coil Manufacturing	240	02OCT12	02OCT12	19SEP13	19SEP13	0	18	211,896.00							
1304-1520	Apply turn insulation Quadrant #1	5	02OCT12	02OCT12	08OCT12	08OCT12	0	17	17,772.80							
1304-1530	Assemble Quadrant #1	10	09OCT12	09OCT12	22OCT12	22OCT12	0	17	44,432.00							
1304-1540	Prepare VPI operation	3	23OCT12	23OCT12	25OCT12	25OCT12	0	17	10,663.68							
1304-1550	VPI- fill quadrant	2	26OCT12	26OCT12	29OCT12	29OCT12	0	17	7,109.12							
1304-1560	Cure VPI'd coil	8	30OCT12	30OCT12	08NOV12	08NOV12	0	17	7,109.12							
1304-1570	Remove Quadrant #1 from mold	1	09NOV12	09NOV12	09NOV12	09NOV12	0	17	3,554.56							
1304-1580	Cleanup quadrant	2	12NOV12	12NOV12	13NOV12	13NOV12	0	17	3,554.56							
1304-1590	Perform T/T electrical tests	1	14NOV12	14NOV12	14NOV12	14NOV12	0	17	1,777.28							
Inner TF Quadrant 2																
1304-1620	Apply turn insulation Quadrant #2	5	15NOV12	15NOV12	21NOV12	21NOV12	0	17	17,772.80							
1304-1630	Assemble Quadrant #2	5	26NOV12	26NOV12	30NOV12	30NOV12	0	17	22,216.00							
1304-1640	Prepare VPI operation	3	03DEC12	03DEC12	05DEC12	05DEC12	0	17	10,663.68							
1304-1650	VPI- fill quadrant	2	06DEC12	06DEC12	07DEC12	07DEC12	0	17	7,109.12							
1304-1660	Cure VPI'd coil	8	10DEC12	10DEC12	19DEC12	19DEC12	0	17	7,109.12							
1304-1670	Remove Quadrant #2 from mold	1	20DEC12	20DEC12	20DEC12	20DEC12	0	17	3,554.56							
1304-1680	Cleanup quadrant	2	21DEC12	21DEC12	02JAN13	02JAN13	0	17	3,554.56							
1304-1690	Perform T/T electrical tests	1	03JAN13	03JAN13	03JAN13	03JAN13	0	17	1,777.28							
Inner TF Quadrant 3																
1304-1720	Apply turn insulation Quadrant #3	5	04JAN13	04JAN13	10JAN13	10JAN13	0	17	17,772.80							
1304-1730	Assemble Quadrant #3	5	11JAN13	11JAN13	17JAN13	17JAN13	0	17	22,216.00							
1304-1740	Prepare VPI operation	3	18JAN13	18JAN13	22JAN13	22JAN13	0	17	10,663.68							
1304-1750	VPI- fill quadrant	2	23JAN13	23JAN13	24JAN13	24JAN13	0	17	7,109.12							
1304-1760	Cure VPI'd coil	8	25JAN13	25JAN13	05FEB13	05FEB13	0	17	7,109.12							
1304-1770	Remove Quadrant #3 from mold	1	06FEB13	06FEB13	06FEB13	06FEB13	0	17	3,554.56							
1304-1780	Cleanup quadrant	2	07FEB13	07FEB13	08FEB13	08FEB13	0	17	3,554.56							
1304-1790	Perform T/T electrical tests #4	1	11FEB13	11FEB13	11FEB13	11FEB13	0	17	1,777.28							
Inner TF Quadrant 4																
1304-1820	Apply turn insulation Quadrant #4	5	12FEB13	12FEB13	18FEB13	18FEB13	0	17	17,772.80							
1304-1830	Assemble Quadrant #4	5	19FEB13	19FEB13	25FEB13	25FEB13	0	17	22,216.00							
1304-1840	Prepare VPI operation	3	26FEB13	26FEB13	28FEB13	28FEB13	0	17	10,663.68							
1304-1850	VPI- fill quadrant	2	01MAR13	01MAR13	04MAR13	04MAR13	0	17	7,109.12							

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											FY11	FY12	FY13	FY14	FY15	
1304-1860	Cure VPI'd coil	8	05MAR13	05MAR13	14MAR13	14MAR13	0	17	7,109.12						EM/ST =64 ;	
1304-1870	Remove Quadrant #4 from mold	1	15MAR13	15MAR13	15MAR13	15MAR13	0	17	3,554.56						EM/ST =32 ;	
1304-1880	Cleanup quadrant	2	18MAR13	18MAR13	19MAR13	19MAR13	0	17	3,554.56						EM/ST =32 ;	
1304-1890	Perform T/T electrical tests	1	20MAR13	20MAR13	20MAR13	20MAR13	0	17	1,777.28						EM/ST =16 ;	
Inner TF Coil Assemble Quadrants																
1304-4800	Assemble quadrants together	5	21MAR13	21MAR13	27MAR13	27MAR13	0	17	22,216.00						EM/ST =200 ;	
1304-4900	Apply groundwrap insulation	2	28MAR13	28MAR13	29MAR13	29MAR13	0	17	3,554.56						EM/ST =32 ;	
1304-5000	Prepare VPI operation	3	01APR13	01APR13	03APR13	03APR13	0	17	10,663.68						EM/ST =96 ;	
1304-5100	VPI full TF coil	2	04APR13	04APR13	05APR13	05APR13	0	17	7,109.12						EM/ST =64 ;	
1304-5200	Cure VPI'd coil	8	08APR13	08APR13	17APR13	17APR13	0	17	7,109.12						EM/ST =64 ;	
1304-5300	Remove full TF from mold and cleanup	1	18APR13	18APR13	18APR13	18APR13	0	17	1,777.28						EM/ST =16 ;	
1304-5400	Perform Final electrical tests	1	19APR13	19APR13	19APR13	19APR13	0	17	1,777.28						EM/ST =16 ;	
1304-5500	Transfer TF to OH station	1	22APR13	22APR13	22APR13	22APR13	0	17	4,443.20						EM/ST =40 ;	
TF/OH Fabrication																
1305-5600	Prepare TF for OH winding	5	23APR13	23APR13	29APR13	29APR13	0	17	13,329.60						EM/ST =120 ;	
1305-5700	Install intermediate spacer between OH/TF bundle	8	30APR13	30APR13	09MAY13	09MAY13	0	17	21,327.36						EM/ST =192 ;	
1305-5800	Apply slip plane, and inner groundwall insulatio	2	10MAY13	10MAY13	13MAY13	13MAY13	0	17	3,554.56						EM/ST =32 ;	
1305-5900	Braze first lead and prepare for winding	5	14MAY13	14MAY13	20MAY13	20MAY13	0	17	8,886.40						EM/ST =80 ;	
1305-6000	Wind 1st half of layer #1	5	21MAY13	21MAY13	28MAY13	28MAY13	0	17	13,329.60						EM/ST =120 ;	
1305-6100	Make [2] in-line brazes	1	29MAY13	29MAY13	29MAY13	29MAY13	0	17	1,777.28						EM/ST =16 ;	
1305-6200	Wind second half of layer #1	5	30MAY13	30MAY13	05JUN13	05JUN13	0	17	13,329.60						EM/ST =120 ;	
1305-6300	Perform prelim electrical tests	1	06JUN13	06JUN13	06JUN13	06JUN13	0	17	1,777.28						EM/ST =16 ;	
1305-6400	Braze layer to layer joint	1	07JUN13	07JUN13	07JUN13	07JUN13	0	17	1,777.28						EM/ST =16 ;	
1305-6500	Wind 1st half of layer #2	5	10JUN13	10JUN13	14JUN13	14JUN13	0	17	13,329.60						EM/ST =120 ;	
1305-6600	Make [2] in-line brazes	1	17JUN13	17JUN13	17JUN13	17JUN13	0	17	1,777.28						EM/ST =16 ;	
1305-6700	Wind second half of layer #2	5	18JUN13	18JUN13	24JUN13	24JUN13	0	17	13,329.60						EM/ST =120 ;	
1305-6800	Perform prelim electrical tests	1	25JUN13	25JUN13	25JUN13	25JUN13	0	17	1,777.28						EM/ST =16 ;	
1305-6900	Braze layer to layer joint	1	26JUN13	26JUN13	26JUN13	26JUN13	0	17	1,777.28						EM/ST =16 ;	
1305-7000	Wind 1st half of layer #3	5	27JUN13	27JUN13	03JUL13	03JUL13	0	17	13,329.60						EM/ST =120 ;	
1305-7100	Make [2] in-line brazes	1	08JUL13	08JUL13	08JUL13	08JUL13	0	17	1,777.28						EM/ST =16 ;	
1305-7200	Wind second half of layer #3	5	09JUL13	09JUL13	15JUL13	15JUL13	0	17	13,329.60						EM/ST =120 ;	
1305-7300	Perform prelim electrical tests	1	16JUL13	16JUL13	16JUL13	16JUL13	0	17	1,777.28						EM/ST =16 ;	
1305-7400	Braze layer to layer joint	2	17JUL13	17JUL13	18JUL13	18JUL13	0	17	1,777.28						EM/ST =16 ;	
1305-7500	Wind 1st half of layer #4	5	19JUL13	19JUL13	25JUL13	25JUL13	0	17	13,329.60						EM/ST =120 ;	
1305-7600	Make [2] in-line brazes	1	26JUL13	26JUL13	26JUL13	26JUL13	0	17	1,777.28						EM/ST =16 ;	
1305-7700	Wind second half of layer #4	5	29JUL13	29JUL13	02AUG13	02AUG13	0	17	13,329.60						EM/ST =120 ;	
1305-7800	Apply groundwrap insulation	1	05AUG13	05AUG13	05AUG13	05AUG13	0	17	1,777.28						EM/ST =16 ;	
1305-7900	Mount OH mold around coil	5	06AUG13	06AUG13	12AUG13	12AUG13	0	17	17,772.80						EM/ST =160 ;	
1305-8000	Prepare VPI operation	3	13AUG13	13AUG13	15AUG13	15AUG13	0	17	10,663.68						EM/ST =96 ;	
1305-8100	VPI- mold	2	16AUG13	16AUG13	19AUG13	19AUG13	0	17	7,109.12						EM/ST =64 ;	
1305-8200	Cure VPI'd coil	8	20AUG13	20AUG13	29AUG13	29AUG13	0	17	7,109.12						EM/ST =64 ;	
1305-8300	Remove mold from OH coil	1	30AUG13	30AUG13	30AUG13	30AUG13	0	17	3,554.56						EM/ST =32 ;	
1305-8400	Cleanup OH coil	2	03SEP13	03SEP13	04SEP13	04SEP13	0	17	3,554.56						EM/ST =32 ;	
1305-8500	Silverplate all electrical surfaces [OH/TF]	3	05SEP13	05SEP13	09SEP13	09SEP13	0	17	2,665.92						EM/ST =24 ;	

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
1305-8600	Perform Final OH electrical tests	1	10SEP13	10SEP13	10SEP13	10SEP13	0	17	1,777.28						EM//ST =16 ;	
1305-8700	Remove intermediate spacer between OH and TF bun	5	11SEP13	11SEP13	17SEP13	17SEP13	0	17	13,329.60						EM//ST =120 ;	
1305-8800	Perform hydrostat and flow tests- OH/TF coils	3	18SEP13	18SEP13	20SEP13	20SEP13	0	17	5,331.84						EM//ST =48 ;	
1305-8900	Transport to CS assembly station	1	23SEP13	23SEP13	23SEP13	23SEP13	0	17	4,443.20						EM//ST =40 ;	
FY091310																
FY091310	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		1,051,480.00	100						
FY091315	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		4,085.00	100						
FY101305	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A	0		168,034.00	100						
FY101305A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		101,411.00						\$1=103106	
Job: 1306 - Inner PF Coils-CHRZANOWSKI																
1306-1010																
1306-1010	Complete Inner PF Coil Analysis	65*	01DEC10*	04OCT10A	12JAN11	12JAN11	0	90	15,308.00	10					EA/EC =100 ;	
1306-1020	PF Lead & Flag Analysis	110*	30JUL10A	30JUL10A	12JAN11	12JAN11	0	90	9,500.16	50					EA/EC =60 ;	
1306-1030	Fatigue Assessment & DCPS	15	13JAN11	13JAN11	02FEB11	02FEB11	0	90	9,184.80						EA/EC =60 ;	
1306-1040	Calculation Write/Check/File	15	03FEB11	03FEB11	23FEB11	23FEB11	0	90	9,184.80						EA/EC =60 ;	
1306-1040A	Modeling for Inner PF	63*	03MAY10A	03MAY10A	31AUG10A	31AUG10A	0		0.00	100						
1306-1050	Compl CAD Detail and Assembly Dwgs for Inner PF	127*	23AUG10A	23AUG10A	28FEB11	28FEB11	0	77	51,055.48	35					EA/SB =416 ; 2010=00 ;	
1306-1060	Prepare for FDR	10	01MAR11	01MAR11	14MAR11	14MAR11	0	77	2,997.84						EA/SB =24 ;	
1306-2010	Generate SOW for Inner PF Conductor	10	11OCT11*	11OCT11*	24OCT11	24OCT11	0	178	0.00							
1306-2020	Prep Spec for Inner PF Conductor	5	25OCT11	25OCT11	31OCT11	31OCT11	0	178	0.00							
1306-2030	Bid/Award - Inner PF Conductor	30	01NOV11	01NOV11	14DEC11	14DEC11	0	178	0.00							
1306-2050	Fab & Deliver Inner PF Conductor	70	15DEC11	15DEC11	29MAR12	29MAR12	0	178	59,856.00						41=46,400 ;	
1306-3010	Prep Req for Kapton/Glass Insulation	10	11OCT11*	11OCT11*	24OCT11	24OCT11	0	203	0.00							
1306-3020	Bid/Award Kapton/Glass Insulation	30	25OCT11	25OCT11	07DEC11	07DEC11	0	203	1,380.64						EM/SM =08 ;	
1306-3030	Fab & Deliver Kapton/Glass Insulation	50	08DEC11	08DEC11	23FEB12	23FEB12	0	203	28,906.44						41=20,000 ; EM/SM =18 ;	
1306-4010	Prep SOW for SS Supp for PF1A/B Coils	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	163	0.00							
1306-4020	Bid/Award SS Supp for PF1A/B	30	08NOV11	08NOV11	21DEC11	21DEC11	0	163	0.00							
1306-4030	Fab & Deliver SS Supp for PF1A/B	80	22DEC11	22DEC11	19APR12	19APR12	0	163	138,483.20						41=100,000 ; 35=2,000 ; EM/SM =40 ;	
1306-5010	Generate SOW & Spec for Inner PF Coil Fab	15	02APR12*	02APR12*	20APR12	20APR12	0	127	0.00							
1306-5020	Prep Req for Inner PF Fabrication	5	23APR12	23APR12	27APR12	27APR12	0	127	0.00							
1306-5030	Bid/Award Inner PF Fabrication	30	30APR12	30APR12	11JUN12	11JUN12	0	127	0.00							
1306-5050	Fab & Deliver Inner PF Coils	200	02JUL12*	02JUL12*	22APR13	22APR13	0	113	264,841.80						41=180,000 ; 35=6,000 ; EM/SM =120 ;	
FY101306	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A	0		57,253.00	100						
FY101306A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		20,513.00						\$1=42277	
Job: 1307 - CS Casing Assembly -CHRZANOWSKI																
1307-1010																
1307-1010	Complete CAD Detail & Assy Drawings (Prelim)	104	03MAY10A	03MAY10A	31AUG10A	31AUG10A	0		0.00	100						
1307-1010A	Complete CAD Detail & Assy Drawings (Final)	48	01FEB11*	01FEB11*	07APR11	07APR11	0	53	29,478.76						EA/SB =236 ;	
1307-1020	Complete Bellow & Ceramic Break Analysis	148*	24JUN10A	24JUN10A	31JAN11	31JAN11	0	53	10,968.05	50					EA/EM =60 ;	
1307-1030	Complete Halo Loading	133*	16JUL10A	16JUL10A	31JAN11	31JAN11	0	134	14,726.12	90					EA/EM =80 ;	
1307-1040	Complete-Maintain Heat Balance Cooling Calcs	113*	13AUG10A	13AUG10A	31JAN11	31JAN11	0	134	14,904.34	80					EA/EM =80 ;	
1307-1050	Integrate Thermal, Halo, Dsir Loads into Calcs	20	01FEB11	04OCT10A	28FEB11	30NOV10	58	134	15,414.40	10					EA/EM =80 ;	
1307-1060	Fatigue Assessments	5	01MAR11	01DEC10	07MAR11	07DEC10	58	134	3,853.60						EA/EM =20 ;	
1307-1150	Prepare for FDR	6	08APR11	08APR11	15APR11	15APR11	0	53	2,997.84						EA/SB =24 ;	

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
1307-2010	Prep CS Casing SOW & Requisition	20	03JAN12*	03JAN12*	30JAN12	30JAN12	0	221	0.00							
1307-2020	Bid/Award CS Casing Contract	30	31JAN12	31JAN12	12MAR12	12MAR12	0	221	2,580.00							
1307-2030	Fabricate CS Casing	150	25JUN12*	25JUN12*	04FEB13	04FEB13	0	148	307,031.33							
1307-2040	Spec/Requisition Inconel Bellows	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	213	0.00							
1307-2050	Bid/Award Inconel Bellows	30	08NOV11	08NOV11	21DEC11	21DEC11	0	213	0.00							
1307-2060	Fab & Deliver Inconel Bellows	60	22DEC11	22DEC11	22MAR12	22MAR12	0	213	45,150.00							
1307-2070	Spec/Requisition Rotatable Flanges	20	04SEP12*	04SEP12*	01OCT12	01OCT12	0	291	0.00							
1307-2080	Bid/Award Rotatable Flanges	30	02OCT12	02OCT12	12NOV12	12NOV12	0	291	0.00							
1307-2090	Fab & Deliver Rotatable Flanges	60	01OCT13*	01OCT13*	06JAN14	06JAN14	0	74	23,085.00							
1307-2100	Spec/Requisition CHI Copper Leads U&L	20	01AUG12*	01AUG12*	28AUG12	28AUG12	0	193	0.00							
1307-2110	Bid/Award CHI Copper Leads	30	29AUG12	29AUG12	10OCT12	10OCT12	0	193	0.00							
1307-2120	Fab & Deliver CHI copper Leads U&L	60	11OCT12	11OCT12	15JAN13	15JAN13	0	193	21,120.00							
1307-2130	Spec/Requisition CS Casing Support Structure	20	04SEP12*	04SEP12*	01OCT12	01OCT12	0	261	0.00							
1307-2140	Bid/Award CS Casing Support Structure	30	02OCT12	02OCT12	12NOV12	12NOV12	0	261	0.00							
1307-2150	Fab & Deliver CS Casing Support Structure	80	13NOV12	13NOV12	15MAR13	15MAR13	0	261	39,600.00							
1307-2160	Spec/Requisition Weld Material	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	213	0.00							
1307-2170	Bid/Award Weld Material	30	08NOV11	08NOV11	21DEC11	21DEC11	0	213	0.00							
1307-2180	Fab & Deliver Weld Material	60	22DEC11	22DEC11	22MAR12	22MAR12	0	213	7,830.64							
1307-2190	Spec/Requisition Misc M&S	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	213	0.00							
1307-2200	Bid/Award Misc M&S	30	08NOV11	08NOV11	21DEC11	21DEC11	0	213	0.00							
1307-2210	Fab & deliver Misc M&S	60	22DEC11	22DEC11	22MAR12	22MAR12	0	213	9,211.28							
1307-2220	Spec/requisition Ceramic Insulators	20	04SEP12*	04SEP12*	01OCT12	01OCT12	0	291	0.00							
1307-2230	Bid/Award Creamic Insulators	30	02OCT12	02OCT12	12NOV12	12NOV12	0	291	0.00							
1307-2240	Fab & Deliver Ceramic Insulators	60	13NOV12	13NOV12	15FEB13	15FEB13	0	291	105,600.00							
1307-2250	Spec/Requisition CB SS Structure	20	11OCT11*	11OCT11*	07NOV11	07NOV11	0	183	0.00							
1307-2260	Bid/Award CB SS Structure	30	08NOV11	08NOV11	21DEC11	21DEC11	0	183	0.00							
1307-2270	Fab & Deliver CB SS Structure	60	22DEC11	22DEC11	22MAR12	22MAR12	0	183	58,050.00							
1307-2280	30Spec/Requisition Viton O Rings	20	04SEP12*	04SEP12*	01OCT12	01OCT12	0	321	0.00							
1307-2290	Bid/Award Viton O Rings	30	02OCT12	02OCT12	12NOV12	12NOV12	0	321	0.00							
1307-2300	Fab & Deliver Viton O Rings	30	13NOV12	13NOV12	04JAN13	04JAN13	0	321	8,012.64							
1307-2310	Spec/Requisition Organ Pipe Adapters & Feedthrus	20	04SEP12*	04SEP12*	01OCT12	01OCT12	0	180	0.00							
1307-2320	Bid/Award Organ Pipe Adapters & Feedthrus	30	02OCT12	02OCT12	12NOV12	12NOV12	0	180	0.00							
1307-2330	Fab & Deliver Organ Pipe Adapters & Feedthrus	50	13NOV12	13NOV12	01FEB13	01FEB13	0	180	50,437.92							
1307-2340	Design Stud Installation Fixture	20	03OCT12*	03OCT12*	30OCT12	30OCT12	0	219	11,188.80							
1307-2350	Fabricate Fixture for Stud Installation	20	31OCT12	31OCT12	29NOV12	29NOV12	0	219	15,969.60							
1307-3010	Assemble & Test Ceramic Breaks incl PF1C Coil	20	23APR13	23APR13	20MAY13	20MAY13	0	225	31,919.20							
FY101307	FY10 Actual Cost	100	01DEC09A	01DEC09A	30APR10A	30APR10A	0		55,426.00	100						
FY101307A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		19,421.00							
Job: 1310 - CSU Magnet Systems-CHRZANOWSKI																
FY101310	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		441,918.00	100						
Job: 1302 - Center Stack Assembly-CHRZANOWSKI																
1302-0050	CAD Support for Setup of CS Assembly Area	25	03OCT11*	03OCT11*	04NOV11	04NOV11	0	404	27,396.00							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY										
											FY11	FY12	FY13	FY14	FY15						
1302-0060	Generate CS Assembly Procedure	10	11OCT11	11OCT11	24OCT11	24OCT11	0	443	0.00												
1302-0070	Generate CS Installation Procedure	10	25OCT11	25OCT11	07NOV11	07NOV11	0	453	0.00												
1302-0080	Modify CS Assembly Fixture	20	12NOV12	12NOV12	11DEC12	11DEC12	0	180	45,302.40												
1302-0090	Setup CS Assembly Area	30	01OCT12*	01OCT12*	09NOV12	09NOV12	0	180	81,642.72												
1302-0150	Receive OH/TF Assembly	1	24SEP13	24SEP13	24SEP13	24SEP13	0	17	0.00												
1302-0160	Receive Inner PF Coils	1	23APR13*	23APR13*	23APR13	23APR13	0	113	0.00												
1302-0170	Perf Accept Elect & Hydr test on PF Coils	5	24APR13	24APR13	30APR13	30APR13	0	113	6,903.84												
1302-0180	Wrap PF1A Coil with Microtherm	5	01MAY13	01MAY13	07MAY13	07MAY13	0	113	4,443.20												
1302-0200	Receive CS Vacuum Casing	1	05FEB13	05FEB13	05FEB13	05FEB13	0	148	0.00												
1302-0210	Install Inconel Weld Studs on Casing Wall	20	06FEB13	06FEB13	05MAR13	05MAR13	0	148	27,159.20												
1302-0220	Mount Upper & Lower PF1B Coils to CS Casing	10	06MAR13	06MAR13	19MAR13	19MAR13	0	148	15,995.52												
1302-1500	Assemble CS (OH Diag, Microtherm, Casing PFCs)	120	01OCT13*	01OCT13*	31MAR14	31MAR14	0	13	726,313.00												
1302-1550	Deliver CS to NTC	1	01APR14	01APR14	01APR14	01APR14	0	13	0.00												
1302-1600	Tear Down Assembly Area	20	01APR14	01APR14	28APR14	28APR14	0	108	54,901.92												
Job: 2300 - ECH Analysis-TITUS																					
2300-0011	Run Other GRD disruptions for the HHFW antenna	66	01JUN10A	01JUN10A	31AUG10A	31AUG10A	0		0.00	100											
2300-0012	Updat HHFW Antenna	66	01JUN10A	01JUN10A	31AUG10A	31AUG10A	0		0.00	100											
2300-0013	Maintain/Update Diagnostic Database	66	01JUN10A	01JUN10A	31AUG10A	31AUG10A	0		0.00	100											
2300-0014	File Preliminary Database/Study	66	01JUN10A	01JUN10A	31AUG10A	31AUG10A	0		0.00	100											
2300-0015	Check/Complete Disruption and Thermal Analyses	121*	01SEP10A	01SEP10A	01MAR11	01MAR11	0	9	18,900.24	15											
2300-0016	Present/track recommendations	121*	01SEP10A	01SEP10A	01MAR11	01MAR11	0	9	18,900.24	5											
2300-0018	FDR Prep	67	29OCT10	02MAR11	01MAR11	03JUN11	-67	9	19,268.00												
2300-0019	CONDUCT FDR	10	02MAR11	06JUN11	29MAR11*	17JUN11*	-57	9	3,853.60												
FY102300	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A	0		3,904.00	100											
FY102300A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		19,255.00												
Job: 2420 - 2nd NBI Sources-CROPPER																					
Design																					
24200020	PDR Prep PPL	26	17MAY10A	17MAY10A	22JUN10A	22JUN10A	0		0.00	100											
24200050	CONDUCT PDR	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100											
24200059	Peer Review	0			31MAR11	31MAR11	0	64	0.00												
24200060	FDR Prep PPL	20	02JUN11	01JUN11*	29JUN11	28JUN11	1	1	2,485.12												
24200090	CONDUCT FDR	1	30JUN11	29JUN11	30JUN11	29JUN11	1	1	1,242.56												
Procure, Fab & Assembly																					
24200100	Prep Requisition and procurement package	5	15MAY13*	15MAY13*	21MAY13	21MAY13	0	20	6,956.40												
24200110	SUBMIT REQ TO PROCUREMENT	1	22MAY13	22MAY13	22MAY13	22MAY13	0	20	1,391.28												
24200120	Procurement lead time (1)	15	23MAY13	23MAY13	13JUN13	13JUN13	0	20	0.00												
24200130	AWARD	1	14JUN13	14JUN13	14JUN13	14JUN13	0	20	0.00												
24200150	Fabricate or delivery	40	17JUN13	17JUN13	13AUG13	13AUG13	0	20	87,120.00												
24200160	Refurbish Source A	80	14AUG13	14AUG13	06DEC13	06DEC13	0	20	303,511.18												
24200170	Refurbish Source B	80	09DEC13	09DEC13	09APR14	09APR14	0	20	307,667.20												
24200180	Refurbish Source C	80	10APR14	10APR14	01AUG14	01AUG14	0	20	307,667.20												
24200200	Build Probe tips (10 Long, 20 short)	60	08MAY14	08MAY14	01AUG14	01AUG14	0	41	75,669.68												

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
Job: 2425 - BL Relocation-DENAUT																
Design																
2425-0017	Design Drawings	24	03MAY10A	03MAY10A	04JUN10A	04JUN10A	0		0.00	100						
2425-0018	PDR Prep	11	07JUN10A	07JUN10A	21JUN10A	21JUN10A	0		0.00	100						
2425-0019	CONDUCT PDR	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A	0		0.00	100						
2425-0020	Layman Review	5	10AUG10A	10AUG10A	16AUG10A	16AUG10A	0		0.00	100						
2425-0023	Disposition PDR Chits	2	24JUN10A	24JUN10A	25JUN10A	25JUN10A	0		0.00	100						
2425-0024	Design Drawings	100*	01OCT10A	01OCT10A	01MAR11	01MAR11	0	1	17,041.40	15		EM/EM =20 ; EA/ES =80 ; EE/EM =40 ;				
2425-0025	Update Analyses	100*	01OCT10A	01OCT10A	28FEB11	01MAR11	-1	1	21,742.80	15		EM/EM =40 ; EAA/EM =80 ;				
2425-0027A	Peer Review	0			31MAR11	31MAR11	0	64	0.00							
2425-0026	Update Cost & Schedule Estimate	30	01MAR11	02MAR11	11APR11	12APR11	-1	1	6,328.40			EM/EM =40 ;				
2425-0027	Prep Procurement Specs	30	12APR11	13APR11	23MAY11	24MAY11	-1	1	6,328.40			EM/EM =40 ;				
2425-0028	FDR Prep	23	24MAY11	25MAY11	24JUN11	27JUN11	-1	1	6,328.40			EM/EM =40 ;				
2425-0029	CONDUCT FDR 2425	2	27JUN11	28JUN11	28JUN11	29JUN11	-1	1	2,531.36			EM/EM =16 ;				
Procure, Fab & Assembly																
2425-0033	Prep Requisitn and procurem pckg-Steel & Parts	1	01OCT12*	01OCT12*	01OCT12	01OCT12	0	165	0.00							
2425-0034	SUBMIT REQ TO PROCUREMENT - Steel and Parts	1	02OCT12	02OCT12	02OCT12	02OCT12	0	165	0.00							
2425-0035	Procurement lead time (1) - Steel and Parts	30	03OCT12	03OCT12	13NOV12	13NOV12	0	165	0.00							
2425-0036	AWARD - Steel and Parts	1	14NOV12	14NOV12	14NOV12	14NOV12	0	165	0.00							
2425-0037	Fabricate or delivery - Steel and Parts	30	15NOV12	15NOV12	08JAN13	08JAN13	0	165	63,360.00							
2425-0039	Prep Requisition and procurement pckg - Lifting	2	01OCT12*	01OCT12*	02OCT12	02OCT12	0	176	0.00							
2425-0040	SUBMIT REQ TO PROCUREMENT - Lifting Equipment	1	03OCT12	03OCT12	03OCT12	03OCT12	0	176	0.00							
2425-0041	Procurement lead time (1) - Lifting Equipment	30	04OCT12	04OCT12	14NOV12	14NOV12	0	176	0.00							
2425-0042	AWARD - Lifting Equipment	1	15NOV12	15NOV12	15NOV12	15NOV12	0	176	0.00							
2425-0043	Fabricate or delivery - Lifting Equipment	30	16NOV12	16NOV12	09JAN13	09JAN13	0	176	26,400.00							
Installation																
2425-0055	Engineering 1 Days Per Week title III	325	02APR13*	02APR13*	22JUL14	22JUL14	0	30	112,618.48							
2425-0056	Engineering Support .Days Per Weektitle III	325	02APR13	02APR13	22JUL14	22JUL14	0	30	40,502.30							
2425-0057	Drafting Support .5 day/week title III	325	02APR13	02APR13	22JUL14	22JUL14	0	30	34,285.56							
2425-0058	Test Cell Maintenance	248	01OCT12*	01OCT12*	30SEP13	30SEP13	0	229	71,675.00							
2425-0060	Road - Path	5	01APR13*	01APR13*	05APR13	05APR13	0	107	24,836.00							
2425-0061	Duct Removal - Path	2	08APR13	08APR13	09APR13	09APR13	0	107	9,934.40							
2425-0062	Lintel Removal - Path	3	10APR13	10APR13	12APR13	12APR13	0	107	17,822.56							
2425-0063	Lintel Install - Path	2	15APR13	15APR13	16APR13	16APR13	0	107	12,855.36							
2425-0064	Duct Install - Path	2	17APR13	17APR13	18APR13	18APR13	0	107	35,014.40							
2425-0068	Setup - Metrology	5	19APR13	19APR13	25APR13	25APR13	0	107	23,057.60							
2425-0069	Measure - Metrology	15	26APR13	26APR13	16MAY13	16MAY13	0	107	138,345.60							
2425-0070	Model - Metrology	5	17MAY13	17MAY13	23MAY13	23MAY13	0	107	36,548.80							
2425-0071	Lay out - Metrology	5	24MAY13	24MAY13	31MAY13	31MAY13	0	107	27,017.60							
2425-0073	Labyrinth Removal	20	01MAY13*	01MAY13*	29MAY13	29MAY13	0	108	84,578.88							
2425-0076	Construction - Lift Fixtures	20	09APR13*	09APR13*	06MAY13	06MAY13	0	113	92,918.40							
2425-0077	Load Test - Lift Fixtures	5	07MAY13	07MAY13	13MAY13	13MAY13	0	113	27,478.40							
2425-0078	Move - Lift Fixtures	1	14MAY13	14MAY13	14MAY13	14MAY13	0	113	2,665.92							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
2425-0079	Trial Runs - Lift Fixtures	5	15MAY13	15MAY13	21MAY13	21MAY13	0	113	27,478.40		EM//EM =40 ; EM//SM =40 ; EM//ST =120 ;					
Relocate HVE																
2425-0123	Move - HVE 1 Movement	2	20MAY13*	20MAY13*	21MAY13	21MAY13	0	71	11,351.52		EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;					
2425-0124	Disassemble - HVE 1 Movement	2	22MAY13	22MAY13	23MAY13	23MAY13	0	71	9,934.40		EM//SM =16 ; EM//ST =64 ;					
2425-0125	Move to Crain Access - HVE 1 Movement	2	24MAY13	24MAY13	28MAY13	28MAY13	0	71	9,934.40		EM//SM =16 ; EM//ST =64 ;					
2425-0126	Lift into TFTR - HVE 1 Movement	1	29MAY13	29MAY13	29MAY13	29MAY13	0	71	4,967.20		EM//SM =08 ; EM//ST =32 ;					
2425-0127	Move In - HVE 1 Movement	1	30MAY13	30MAY13	30MAY13	30MAY13	0	71	4,967.20		EM//SM =08 ; EM//ST =32 ;					
2425-0128	Over Wall - HVE 1 Movement	2	31MAY13	31MAY13	03JUN13	03JUN13	0	71	11,711.68		EM//SM =16 ; EM//ST =80 ;					
2425-0129	Reassemble - HVE 1 Movement	2	04JUN13	04JUN13	05JUN13	05JUN13	0	71	9,934.40		EM//SM =16 ; EM//ST =64 ;					
2425-0130	Placement - HVE 1 Movement	3	06JUN13	06JUN13	10JUN13	10JUN13	0	71	16,221.60		EM//SM =24 ; EM//ST =96 ; 41=1,000 ;					
2425-0133	Move - HVE 2 Movement	2	11JUN13	11JUN13	12JUN13	12JUN13	0	71	11,351.52		EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;					
2425-0134	Disassemble - HVE 2 Movement	2	13JUN13	13JUN13	14JUN13	14JUN13	0	71	9,934.40		EM//SM =16 ; EM//ST =64 ;					
2425-0135	Move to Crain Access - HVE 2 Movement	2	17JUN13	17JUN13	18JUN13	18JUN13	0	71	9,934.40		EM//SM =16 ; EM//ST =64 ;					
2425-0136	Lift into TFTR - HVE 2 Movement	1	19JUN13	19JUN13	19JUN13	19JUN13	0	71	4,967.20		EM//SM =08 ; EM//ST =32 ;					
2425-0137	Move In - HVE 2 Movement	1	20JUN13	20JUN13	20JUN13	20JUN13	0	71	4,967.20		EM//SM =08 ; EM//ST =32 ;					
2425-0138	Over Wall - HVE 2 Movement	2	21JUN13	21JUN13	24JUN13	24JUN13	0	71	11,711.68		EM//SM =16 ; EM//ST =80 ;					
2425-0139	Reassemble - HVE 2 Movement	2	25JUN13	25JUN13	26JUN13	26JUN13	0	71	9,934.40		EM//SM =16 ; EM//ST =64 ;					
2425-0140	Placement - HVE 2 Movement	3	27JUN13	27JUN13	01JUL13	01JUL13	0	71	16,221.60		EM//SM =24 ; EM//ST =96 ; 41=1,000 ;					
2425-0143	Move - HVE 3 Movement	2	02JUL13	02JUL13	03JUL13	03JUL13	0	71	11,351.52		EM//EM =08 ; EM//SM =16 ; EM//ST =64 ;					
2425-0144	Disassemble - HVE 3 Movement	2	08JUL13	08JUL13	09JUL13	09JUL13	0	71	9,934.40		EM//SM =16 ; EM//ST =64 ;					
2425-0145	Move to Crain Access - HVE 3 Movement	2	10JUL13	10JUL13	11JUL13	11JUL13	0	71	9,934.40		EM//SM =16 ; EM//ST =64 ;					
2425-0146	Lift into TFTR - HVE 3 Movement	1	12JUL13	12JUL13	12JUL13	12JUL13	0	71	4,967.20		EM//SM =08 ; EM//ST =32 ;					
2425-0147	Move In - HVE 3 Movement	1	15JUL13	15JUL13	15JUL13	15JUL13	0	71	4,967.20		EM//SM =08 ; EM//ST =32 ;					
2425-0148	Over Wall - HVE 3 Movement	2	16JUL13	16JUL13	17JUL13	17JUL13	0	71	11,711.68		EM//SM =16 ; EM//ST =80 ;					
2425-0149	Reassemble - HVE 3 Movement	2	18JUL13	18JUL13	19JUL13	19JUL13	0	71	9,934.40		EM//SM =16 ; EM//ST =64 ;					
2425-0150	Placement - HVE 3 Movement	3	22JUL13	22JUL13	24JUL13	24JUL13	0	71	14,901.60		EM//SM =24 ; EM//ST =836 ; 41=7,000 ;					
2425-0155	Install HVE Hilti (LOE)	45	20MAY13	20MAY13	24JUL13	24JUL13	0	71	5,763.20	LOE	EM//SM =0 ; EM//SB =40 ; 41=1,000 ;					
2425-0160	Remove / Reinstall Floor Plug (LOE)	45	20MAY13	20MAY13	24JUL13	24JUL13	0	71	26,176.00	LOE	EM//SM =0 ; EM//SB =200 ; 41=3,000 ;					
Relocate Beamline **TC LIMITED ACCESS**																
2425-0081	BEGIN BEAMLIN RELOCATION TO NTC	0	18OCT13	17OCT13			1	11	0.00							
2425-0082	Lift onto Rollers - Box Movements	1	18OCT13	17OCT13	18OCT13	17OCT13	1	11	34,807.04		EM//EM =152 ; EM//SM =08 ; EM//ST =48 ;					
2425-0083	Move IN - Box Movements	1	21OCT13	18OCT13	21OCT13	18OCT13	1	11	8,434.88		EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;					
2425-0084	Over Wall - Box Movements	1	22OCT13	21OCT13	22OCT13	21OCT13	1	11	8,434.88		EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;					
2425-0085	Placement - Box Movements	10	23OCT13	22OCT13	05NOV13	04NOV13	1	11	84,348.80		EM//EM =80 ; EM//SM =80 ; EM//ST =480 ;					
2425-0086	Metrology - Box Movements	10	06NOV13	05NOV13	19NOV13	18NOV13	1	11	63,800.00		EM//EM =80 ; EM//SM =80 ; EM//ST =160 ; 41=12,000 ;					
2425-0089	Off - Source Platform	1	20NOV13*	19NOV13*	20NOV13	19NOV13	1	11	4,213.60		EM//SM =08 ; EM//ST =24 ;					
2425-0090	Move - Source Platform	1	21NOV13	20NOV13	21NOV13	20NOV13	1	11	3,294.88		EM//SM =08 ; EM//ST =16 ;					
2425-0091	Lift - Source Platform	1	22NOV13	21NOV13	22NOV13	21NOV13	1	11	5,132.32		EM//SM =08 ; EM//ST =32 ;					
2425-0092	On - Source Platform	1	25NOV13	22NOV13	25NOV13	22NOV13	1	11	5,132.32		EM//SM =08 ; EM//ST =32 ;					
2425-0093	Metrology - Source Platform	10	26NOV13	25NOV13	11DEC13	10DEC13	1	11	87,375.60		EM//EM =160 ; EM//SM =80 ; EM//ST =320 ; 41=5,000 ;					
2425-0097	Stabilize - Lid Movement	3	12DEC13	11DEC13	16DEC13	13DEC13	1	11	22,548.48		EM//EM =24 ; EM//SM =24 ; EM//ST =120 ;					
2425-0098	Lift onto Rollers - Lid Movement	1	17DEC13	16DEC13	17DEC13	16DEC13	1	11	8,434.88		EM//EM =08 ; EM//SM =08 ; EM//ST =48 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
2425-0099	Move IN - Lid Movement	1	18DEC13	17DEC13	18DEC13	17DEC13		11	8,434.88			EM//EM =08 ; EM//ST =48	EM//SM =08			
2425-0100	Over Wall - Lid Movement	1	19DEC13	18DEC13	19DEC13	18DEC13		11	8,434.88			EM//EM =08 ; EM//ST =48	EM//SM =08			
2425-0101	Placement - Lid Movement	1	20DEC13	19DEC13	20DEC13	19DEC13		11	4,760.00			EM//EM =08 ; EM//ST =16	EM//SM =08			
2425-0102	Metrology - Lid Movement	1	02JAN14	20DEC13	02JAN14	20DEC13		11	19,350.00			EM//EM =16 ; EM//ST =48	EM//SM =08 ; 41=7,000			
2425-0106	90in Flange - Component Movement	2	03JAN14	02JAN14	06JAN14	03JAN14		11	10,264.64			EM//SM =16	EM//ST =64			
2425-0107	Magnet - Component Movement	2	07JAN14	06JAN14	08JAN14	07JAN14		11	11,729.76			EM//EM =08 ; EM//ST =64	EM//SM =16			
2425-0108	Ion Dump - Component Movement	2	09JAN14	08JAN14	10JAN14	09JAN14		11	11,729.76			EM//EM =08 ; EM//ST =64	EM//SM =16			
2425-0109	Exit Spool - Component Movement	2	13JAN14	10JAN14	14JAN14	13JAN14		11	10,264.64			EM//SM =16	EM//ST =64			
2425-0110	TIV - Component Movement	2	15JAN14	14JAN14	16JAN14	15JAN14		11	10,264.64			EM//SM =16	EM//ST =64			
2425-0111	Calorimeter - Component Movement	2	17JAN14	16JAN14	20JAN14	17JAN14		11	17,129.76			EM//EM =08 ; EM//ST =64	EM//SM =16 ; 41=4,000			
2425-0112	BEAMLINE AND COMPONENTS INSTALLED IN NTC	0			20JAN14	17JAN14		11	0.00							
Relocate Sources																
2425-0115	Move 1 - Source Movement	2	21JAN14	20JAN14	22JAN14	21JAN14		146	10,264.64			EM//SM =16	EM//ST =64			
2425-0116	Align 1 - Source Movement	4	23JAN14	22JAN14	28JAN14	27JAN14		146	32,250.24			EM//EM =64 ; EM//ST =128	EM//SM =32			
2425-0117	Move 2 - Source Movement	2	10APR14	10APR14	11APR14	11APR14		94	10,264.64			EM//SM =16	EM//ST =64			
2425-0118	Align 2 - Source Movement	4	14APR14	14APR14	17APR14	17APR14		94	32,250.24			EM//EM =64 ; EM//ST =128	EM//SM =32			
2425-0119	Move 3 - Source Movement	2	04AUG14	04AUG14	05AUG14	05AUG14		20	10,264.64			EM//SM =16	EM//ST =64			
2425-0120	Align 3 - Source Movement	4	06AUG14	06AUG14	11AUG14	11AUG14		20	37,650.24			EM//EM =64 ; EM//ST =128	EM//SM =32 ; 41=4,000			
FY092425	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A		0	15,023.00	100						
FY102425	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A		0	19,729.00	100						
FY102435A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0	6,165.00							
Job: 2430 - 2nd NBI Decontamination-STEVENSON																
24300230	Decon Calorimeter	30	01OCT09A	01OCT09A	11NOV09A	11NOV09A		0	0.00	100						
24300240	Decon Ion Dump	42	03MAY10A	03MAY10A	30JUN10A	30JUN10A		0	0.00	100						
24300260	Decon Bending Magnet	25	26MAY10A	26MAY10A	30JUN10A	30JUN10A		0	0.00	100						
24300280	Decon 90 inch flange & neutralizer	63	03MAY10A	03MAY10A	30JUL10A	30JUL10A		0	0.00	100						
24300300	Decon Exit Spool Piece	36*	01SEP10A	01SEP10A	30SEP10A	30SEP10A		0	97,606.20	100		EE//SM =160	EE//TB =800			
24300310	Decon BL Lid	9	18JUN10A	18JUN10A	30JUN10A	30JUN10A		0	0.00	100						
24300370	Decon BL Box	11	13AUG10A	13AUG10A	27AUG10A	27AUG10A		0	0.00	100						
24300380	Decon BL exterior & accoutrements	49*	13AUG10A	13AUG10A	30SEP10A	30SEP10A		0	68,755.45	100		EE//SM =120	EE//TB =600			
24300390	Decon Program Evaluation/Operation Impact Report	10	01SEP10A	01SEP10A	30SEP10A	30SEP10A		0	0.00	100		EM//EM =240				
24300399	DECON COMPLETE	0			21OCT10A	21OCT10A		0	0.00	100						
24300400	Decon Procurement Support - Material & Supplies	121*	03MAY10A	03MAY10A	30SEP10A	30SEP10A		0	92,040.00	100		41=52,000	43=26,000			
FY092430	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A		0	1,238,513.00	100						
FY102430	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A		0	542,135.00	100						
FY112430	FY10 Actual Cost	143	01OCT10A	01OCT10A	29OCT10A	29OCT10A		0	18,000.00	100						
Job: 2440 - 2nd NBI Beamline-DENAULT																
Procure, Fab & Assembly																
2440-0001	Begin refurbishment job parts list	80*	01OCT10*	01OCT10A	01FEB11	01FEB11		170	6,212.80	25		EE//SM =40				
2440-0002	Prepare drawings	600*	01OCT10*	01OCT10A	01MAR13	01MAR13		170	44,155.30	15			EA//ES =480			
2440-0002A	Engineering Supervision (LOE)	599*	01OCT10*	01OCT10A	26APR13	28FEB13		171	161,013.17	LOE			EM//EM =960			

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
22-Reactivation																
247000254	Power Testing of Reactivated Equipment	45	03APR14	03APR14	05JUN14	05JUN14	0	26	51,300.96			EE//EM =32 ; EE//SB =00 ; EE//SM =120 ; EE//TB =240 ; 41=8,000				
247000255	Switchyard- Reactivation	45	01JUL13*	01JUL13*	04SEP13	04SEP13	0	26	68,716.88			EE//EM =48 ; EE//SB =08 ; EE//SM =80 ; EE//TB =360 ; 41=8,000				
247000256	Surge Room- Reactivation	50	05SEP13	05SEP13	13NOV13	13NOV13	0	26	103,722.63			EE//EM =48 ; EE//SB =08 ; EE//SM =200 ; EE//TB =432 ; 41=12,000				
247000257	Mod- reg- Reactivation	30	14NOV13	14NOV13	08JAN14	08JAN14	0	26	48,791.60			EE//EM =48 ; EE//SB =08 ; EE//SM =80 ; EE//TB =160 ; 41=6,000				
247000258	Arc/Filament/magnet- Reactivation	30	09JAN14	09JAN14	19FEB14	19FEB14	0	26	38,783.28			EE//EM =48 ; EE//SB =08 ; EE//SM =48 ; EE//TB =144 ; 41=4,000				
247000259	LCC- Reactivation	30	20FEB14	20FEB14	02APR14	02APR14	0	26	46,091.60			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	0	213	6,983.52			EE//EM =08 ; EE//SB =40 ;				
247000420	Prep Req & Procurement Pckg - Penetrations	1	24JUL12	24JUL12	24JUL12	24JUL12	0	213	1,516.72			EE//EM =08 ;				
247000430	Submit Req to Procurement - Penetrations	1	25JUL12	25JUL12	25JUL12	25JUL12	0	213	758.36			EE//EM =04 ;				
247000440	Procurement Lead Time - Penetrations	25	26JUL12	26JUL12	29AUG12	29AUG12	0	213	0.00							
247000450	Award - Penetrations	1	30AUG12	30AUG12	30AUG12	30AUG12	0	213	0.00							
247000460	Procurement/Fab/Assembly - Penetrations	65	31AUG12	31AUG12	04DEC12	04DEC12	0	213	6,553.85			41=5,000 ;				
247000690	Installation Procedure - Penetrations	5	05DEC12	05DEC12	11DEC12	11DEC12	0	213	1,548.56			EE//EM =08 ;				
247000700	Installation - Penetrations	8	12DEC12	12DEC12	21DEC12	21DEC12	0	213	32,929.04			EE//SM =32 ; EE//TB =64 ; EE//EM =08 ; 41=15,000 ;				
247000270	Design Removal of Cable	25	08JUN12*	08JUN12*	13JUL12	13JUL12	0	182	23,984.00			EE//EM =40 ; EE//SB =120 ;				
247000710	Removal - Cable	8	02JAN13	02JAN13	11JAN13	11JAN13	0	215	19,783.76			EE//SM =40 ; EE//EM =08 ; EE//EM =16 ; EE//TB =40 ; EE//TB =120 ;				
247000780	Commissioning - Removal of Cable	5	14JAN13	14JAN13	18JAN13	18JAN13	0	310	9,639.28			EE//EM =16 ; EE//SM =16 ;				
247000275	Design - Cables	100	04SEP12*	04SEP12*	01FEB13	01FEB13	0	47	170,743.41			EE//EM =280 ; EE//SB =840 ;				
247000470	Prep Req & Procurement Pckg - Cables	1	04FEB13	04FEB13	04FEB13	04FEB13	0	47	1,548.56			EE//EM =08 ;				
247000480	Submit Req to Procurement - Cables	1	05FEB13	05FEB13	05FEB13	05FEB13	0	47	774.28			EE//EM =04 ;				
247000490	Procurement Lead Time - Cables	30	06FEB13	06FEB13	19MAR13	19MAR13	0	47	0.00							
247000500	Award - Cables	1	20MAR13	20MAR13	20MAR13	20MAR13	0	47	0.00							
247000510	Procurement - NBI Cables	120	21MAR13	21MAR13	10SEP13	10SEP13	0	47	557,304.00			41=422,200 ;				
247000720	Installation Procedure - Cable	5	12DEC12	12DEC12	18DEC12	18DEC12	0	226	1,548.56			EE//EM =08 ;				
247000730	Installation - Cable	100	24SEP13*	23SEP13*	24FEB14	21FEB14	1	39	271,733.11			EE//SM =560 ; EE//TB =840 ; EE//EM =112 ; 41=50,000 ;				
247000790	Commissioning - Cable	40	25FEB14	24FEB14	21APR14	18APR14	1	39	141,711.60			EE//EM =240 ; EE//SM =240 ; EE//TB =520 ;				
2470000729	decontamination of east wall	48	17JUL13	16JUL13	23SEP13	20SEP13	1	39	97,071.52			EE//SM =336 ; EE//TB =336 ; EE//EM =16 ; 41=3000 ;				
247000280	Prep Procurement Spec - Raceway	15	14JAN13*	14JAN13*	01FEB13	01FEB13	0	160	24,487.60			EE//EM =40 ; EE//SB =120 ;				
247000520	Prep Req & Procurement Pckg - Raceway	1	05FEB13	05FEB13	05FEB13	05FEB13	0	161	1,548.56			EE//EM =08 ;				
247000530	Submit Req to Procurement - Raceway	1	06FEB13	06FEB13	06FEB13	06FEB13	0	161	774.28			EE//EM =04 ;				
247000540	Procurement Lead Time - Raceway	15	07FEB13	07FEB13	27FEB13	27FEB13	0	161	0.00							
247000550	Award - Raceway	1	28FEB13	28FEB13	28FEB13	28FEB13	0	161	0.00							
247000560	Procurement/Fab/Assembly - Raceway	65	01MAR13	01MAR13	31MAY13	31MAY13	0	161	39,600.00			41=30,000 ;				
247000740	Installation Procedure - Raceway	5	19DEC12	19DEC12	03JAN13	03JAN13	0	266	1,548.56			EE//EM =08 ;				
247000750	Installation - 2nd NBI Raceway	90	08OCT13*	07OCT13*	24FEB14	21FEB14	1	74	739,832.48			EE//SM =320 ; EE//TB =320 ; EE//EM =16 ; 41=480,000 ;				
247000795	Commissioning - Raceway	5	25FEB14	24FEB14	03MAR14	28FEB14	1	74	9,965.68			EE//EM =16 ; EE//SM =16 ; EE//TB =40 ;				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
25-Transmission Line																
247000285	Design & Install Transmission Line	240	01JUL13*	01JUL13*	19JUN14	19JUN14	0	56	133,959.36		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	0	1,487	87,822.51	LOE						
247000100	CDR Complete Power System	20	01OCT09A	01OCT09A	28OCT09A	28OCT09A	0		0.00	100						
247000180	PDR Preparation	37	03MAY10A	03MAY10A	23JUN10A	23JUN10A	0		0.00	100						
247000190	Conduct PDR	1	24JUN10A	24JUN10A	24JUN10A	24JUN10A	0		0.00	100						
247000200	PDR Complete	0			24JUN10A	24JUN10A	0		0.00	100						
2470PEER	Peer Review	0			31MAR11	31MAR11	0	64	0.00							
247000235	Calculations - Final Dsgn	125	03JAN11*	03JAN11*	27JUN11	27JUN11	0	2	6,915.60		EE//EM =40 ;					
247000295	FDR Cabling	125	03JAN11	03JAN11	27JUN11	27JUN11	0	2	11,900.80		EE//EM =40 ; EE//SB =40 ;					
247000300	Conduct FDR	1	28JUN11	28JUN11	28JUN11	28JUN11	0	2	0.00							
247000305	FDR Complete	0			28JUN11	28JUN11	0	2	0.00							
System Testing																
247000890	New Procedures, PTP's, ISTEP's	44	19FEB14*	18FEB14*	21APR14	18APR14	1	39	19,546.80		EE//EM =40 ; EE//SB =80 ;					
247000900	DC Hipots Engineering	20	22APR14	21APR14	19MAY14	16MAY14	1	39	8,005.20		EE//EM =40 ;					
247000910	DC Hipots Commissioning	40	06JUN14	06JUN14	01AUG14	01AUG14	0	26	11,022.00		EE//EM =24 ; EE//TB =64 ;					
247000920	Elect Interlock Testing Eng	20	22APR14	21APR14	19MAY14	16MAY14	1	39	1,601.04		EE//EM =08 ;					
247000930	Elect Interlock Testg Commissioning	40	20MAY14	19MAY14	16JUL14	15JUL14	1	39	11,022.00		EE//EM =24 ; EE//TB =64 ;					
247000940	Kirk Key Testing Eng	20	22APR14	21APR14	19MAY14	16MAY14	1	39	1,601.04		EE//EM =08 ;					
247000941	Kirk Key Testg Commissioning	40	20MAY14	19MAY14	16JUL14	15JUL14	1	39	5,534.16		EE//EM =16 ; EE//TB =24 ;					
247000945	Instrumentation Testing Engr	20	22APR14	21APR14	19MAY14	16MAY14	1	39	1,601.04		EE//EM =08 ;					
247000946	Instrumentation Commissioning	40	20MAY14	19MAY14	16JUL14	15JUL14	1	39	4,756.80		EE//EM =16 ; EE//TB =16 ;					
247000950	Control Sys Engr	20	22APR14	21APR14	19MAY14	16MAY14	1	39	1,601.04		EE//EM =08 ;					
247000951	Control Sys Commissioning	40	20MAY14	19MAY14	16JUL14	15JUL14	1	39	7,135.20		EE//EM =24 ; EE//TB =24 ;					
247000960	Coil Protection Engr	20	22APR14	21APR14	19MAY14	16MAY14	1	39	1,601.04		EE//EM =08 ;					
247000971	Coil Protection Commissioning	40	20MAY14	19MAY14	16JUL14	15JUL14	1	39	7,135.20		EE//EM =24 ; EE//TB =24 ;					
FY092470	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		115,170.00	100						
FY102470	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		78,528.00	100						
FY102470A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		12,565.00			81=20122				
Job: 2475 - 2nd NBI Controls-CROPPER																
System Testing																
FY102475A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		1,855.00			81=8499				
-																
2475-0018	Protective Plate Interlocks-NBI-Controls & Instr	64	03JAN11*	03JAN11*	31MAR11	31MAR11	0	48	24,851.20		EE//SM =160 ;					
Control System Layout																
2475-0002	Control System Lay Out-NBI-Controls & Instrument	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A	0		0.00	100						
2475-0003	Update Cost & Sched Estimate-NBI-Control & Instrm	5	08JUN10A	08JUN10A	14JUN10A	14JUN10A	0		0.00	100						
2475-0004	FMEA Analysis-NBI-Controls & Instrumentation	5	08JUN10A	08JUN10A	14JUN10A	14JUN10A	0		0.00	100						
2475-0005	Design Drawings-NBI-Controls & Instrumentation	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A	0		0.00	100						
2475-0006	PDR Prep PPL-NBI-Controls & Instrumentation	6	15JUN10A	15JUN10A	22JUN10A	22JUN10A	0		0.00	100						
2475-0009	CONDUCT PDR-NBI-Controls & Instrumentation	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
2475-0012	Disposition PDR Chits-NBI-Controls & Instrum	10	23JUN10A	23JUN10A	28JUN10A	28JUN10A	0		0.00	100						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
2475-0102	PLC - Control System Layout	145*	28JUL10A	28JUL10A	28FEB11	28FEB11	0	10	18,179.67	55	EE//SM =120 ;					
2475-0103	Remote LCC - Control System Layout	10	01MAR11*	01MAR11*	14MAR11	14MAR11	0	36	6,212.80		EE//SM =40 ;					
2475-0104	TC scanners, Beamline & P.P - Control Sys Layout	15	15MAR11	15MAR11	04APR11	04APR11	0	36	12,425.60		EE//SM =80 ;					
2475-0105	NBOS Station - Control System Layout	10	05APR11	05APR11	18APR11	18APR11	0	36	6,212.80		EE//SM =40 ;					
2475-0106	DWGS CWD's & Cable Diagram - Control Sys Layout	160*	01DEC10*	01OCT10A	24MAY11	24MAY11	0	10	139,376.00	5	EE//SM =640 ;EA//SB=320					
Final Design																
2475PEER	Peer Review	0			31MAR11	31MAR11	0	64	0.00		▼					
2475-0110	Design Drawings-NBI-Controls & Instrumentation	231*	29JUN10A	29JUN10A	01JUN11	01JUN11	0	5	24,300.34	20	EE//SM =160 ;					
2475-0110A	Update Cost & SchedEstimate-NBI-Controls & Instr	5	02JUN11	02JUN11	08JUN11	08JUN11	0	5	6,212.80		EE//SM =40 ;					
2475-0110B	FDR Prep PPL-NBI-Controls & Instrumentation	10	09JUN11	09JUN11	22JUN11	22JUN11	0	5	7,455.36		EE//SM =48 ;					
2475-0111	CONDUCT FDR-NBI-Controls & Instrumentation	1	23JUN11*	23JUN11*	23JUN11	23JUN11	0	5	1,242.56		EE//SM =08 ;					
Procurement																
2475-0116	Prep Requisition and procurement package	5	02JUL12*	02JUL12*	09JUL12	09JUL12	0	4	6,813.20			EE//SM =40 ;				
2475-0117	SUBMIT REQ TO PROCUREMENT	1	10JUL12	10JUL12	10JUL12	10JUL12	0	4	1,362.64			EE//SM =08 ;				
2475-0118	Procurement lead time (1)	15	11JUL12	11JUL12	31JUL12	31JUL12	0	4	0.00							
2475-0119	AWARD-NBI-Controls & Instrumentation	1	01AUG12	01AUG12	01AUG12	01AUG12	0	4	0.00							
2475-0120	Fabricate or delivery--NBI-Controls & Instrument	40	02AUG12	02AUG12	27SEP12	27SEP12	0	4	555,990.00			41=\$431,000				
Fab/Assembly																
2475-0123	Fab/Assy Procedure	5	21SEP12	21SEP12	27SEP12	27SEP12	0	4	6,813.20			EE//SM =40 ;				
2475-0125	Cable Tray - Fab/Assembly	40	28SEP12*	28SEP12*	26NOV12	26NOV12	0	4	71,054.56			EM//ST =640 ;				
2475-0126	Gradient Grid divider - Fab/Assembly	20	27NOV12	27NOV12	02JAN13	02JAN13	0	4	64,327.44			EE//SM =24 ;EE//TB =640				
2475-0127	Control Rack Cage - Fab/Assembly	5	03JAN13	03JAN13	09JAN13	09JAN13	0	4	10,277.68			EE//SM =08 ;EM//ST =80				
2475-0128	Rack relocation - Fab/Assembly	25	10JAN13*	10JAN13*	13FEB13	13FEB13	0	4	73,946.00		EE//SM =40 ;EE//TB =240					
2475-0129	Penetrations - Fab/Assembly	5	14FEB13*	14FEB13*	20FEB13	20FEB13	0	4	63,077.68		EM//ST =400 ;	EE//SM =08 ;EM//ST =80				
2475-0130	Disconnect remote control	20	21FEB13	21FEB13	20MAR13	20MAR13	0	4	22,068.64		EE//SM =08 ;EE//SB =24	EE//TB =104 ;EM//ST =68				
Installation																
2475-0133	Installation Procedures	10	07MAR13	07MAR13	20MAR13	20MAR13	0	4	12,550.80			EE//SM =40 ;EA//SB =40				
2475-0134	Beam Line Cabling - Installation	80	21MAR13	21MAR13	15JUL13	15JUL13	0	4	283,335.68		EE//SM =320 ;EE//TB =1,280	EM//ST =16 ;41=80,000				
2475-0135	Aux Cabling - Installation	20	16JUL13	16JUL13	12AUG13	12AUG13	0	4	89,104.80			EE//SM =80 ;EE//TB =800				
2475-0136	Protective Plate Interlocks(I/P Pyrometer/IR Cam	20	13AUG13	13AUG13	10SEP13	10SEP13	0	4	37,033.20			EE//SM =40 ;EE//TB =320				
2475-0137	TC Scanners - beamline & Protective Plates-Instl	40	11SEP13	11SEP13	05NOV13	05NOV13	0	4	45,532.34			EE//SM =40 ;EE//TB =400				
2475-0138	NBOS Station - Installation	10	06NOV13	06NOV13	19NOV13	19NOV13	0	4	29,931.20			EE//SM =80 ;EE//TB =160				
2475-0139	LCC Remote - Installation	40	20NOV13	20NOV13	28JAN14	28JAN14	0	4	161,713.60			EE//SM =40 ;EE//SB =640	EE//TB =640			
2475-0140	Power Supply Upgrade - Installation	23	29JAN14	29JAN14	28FEB14	28FEB14	0	4	63,156.96			EE//SM =24 ;EE//SB =160	EE//TB =368			
2475-0141	Protective Plate TC's - Installation	10	03MAR14	03MAR14	14MAR14	14MAR14	0	4	12,088.80			EE//SM =24 ;EE//TB =80				
Programing																
2475-0144	PLC & RSView Programing-NBI-Controls & Instrumen	40	03OCT13*	03OCT13*	27NOV13	27NOV13	0	91	57,536.00				EE//SM =320 ;			
2475-0145	Beamline TC Scanner Program-NBI-Controls & Instr	20	06NOV13*	06NOV13*	05DEC13	05DEC13	0	47	27,398.40			EE//SM =24 ;EE//SB =160				
2475-0146	Protective Plate TC Scanner Program-NBI-Controls	20	17MAR14	17MAR14	11APR14	11APR14	0	4	27,398.40			EE//SM =24 ;EE//SB =160				
2475-0147	LCC Remote LabView Programing-NBI-Controls/Instr	40	29JAN14	29JAN14	25MAR14	25MAR14	0	17	50,481.60			EE//SM =24 ;EE//SB =320				
Testing																
2475-0149	PTP Testing	20	14APR14	14APR14	09MAY14	09MAY14	0	4	67,398.40			EE//SM =160;EE//TB =160;EE//SB =160				
Commissioning in Ops																
2475-0154	Commissioning & Testing of 4A Power System	20	12MAY14	12MAY14	09JUN14	09JUN14	0	4	0.00			EE//SM =320 ;EE//TB =480	EE//SB=160			

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
2475-0155	Commissioning & Testing of 4B Power System	20	10JUN14	10JUN14	08JUL14	08JUL14	0	4	0.00			EE//SM =320 ; EE//TB =480 ; EE//SB=160				
2475-0156	Commissioning & Testing of 4C Power System	20	09JUL14	09JUL14	05AUG14	05AUG14	0	4	0.00			EE//SM =320 ; EE//TB =480 ; EE//SB=160				
2475-0157	40 kv Beam Operation	20	06AUG14	06AUG14	03SEP14	03SEP14	0	4	0.00			EE//SM =160 ; EE//TB =480 ; EE//SB=160				
Job: 2480 - 2nd NBI/TVPS Duct & VV-PRINISKI																
Design																
2480-0024	New Coil Comonents F/J-K RWM Coil Re Dsgn	22	03MAY10A	03MAY10A	02JUN10A	02JUN10A	0		0.00	100						
2480-0025	Seismic Analysis	5	03MAY10A	03MAY10A	07MAY10A	07MAY10A	0		0.00	100						
2480-0027	PDR Prep - Duct & VV Mods	36	03MAY10A	03MAY10A	22JUN10A	22JUN10A	0		0.00	100						
2480-0028	CONDUCT PDR - Duct & VV Mods	1	23JUN10A	23JUN10A	23JUN10A	23JUN10A	0		0.00	100						
2480-0029	Disposition PDR Chits - Final Design	84*	03JUN10A	03JUN10A	30SEP10A	30SEP10A	0		0.00	100		EM//EM =158 ; EA//ES =132 ; EA//EM =26 ;				
2480-0031	1000100100100 K- Port Extension	41*	16AUG10A	16AUG10A	30SEP10A	30SEP10A	0		0.00	100		EM//EM =14 ; EA//ES =14 ;				
2480-0032	NB- Ceramic-Break	47*	16AUG10A	16AUG10A	30SEP10A	30SEP10A	0		0.00	100		EM//EM =12 ; EA//ES =12 ;				
2480-0033	Spool Piece/Round Bellows	52*	16AUG10A	16AUG10A	30SEP10A	30SEP10A	0		0.00	100		EM//EM =02 ; EA//ES =10 ;				
2480-0029A	Installation Prototype	88*	01NOV10*	18OCT10A	28FEB11	28FEB11	0	41	21,304.56	20		EM//EM =36 ; em//tb=100; 41=5,000				
2480-0030	J-K Cap/Installation Procedure	132*	16AUG10A	16AUG10A	28FEB11	28FEB11	0	41	26,539.92	20		EM//EM =48 ; EA//ES =48 ; 35=12,000 ;				
2480PEER	Peer review	0			31MAR11	31MAR11	0	64	0.00							
2480-0034	Rectangular Bellows Assembly	155*	16AUG10A	16AUG10A	31MAR11	31MAR11	0	2	2,333.93	90		EM//EM =04 ; EA//ES =20 ;				
2480-0035	Design Drawings - Final Design	171*	16AUG10A	16AUG10A	22APR11	22APR11	0	2	42,076.94	70		EM//EM =72 ; EA//ES =360 ;				
2480-0037	Update Analysis - Final Design	25	25APR11	25APR11	27MAY11	27MAY11	0	2	9,922.14			EA//EM =40 ; EM//EM =14 ;				
2480-0038	Update Cost & Sched Estimate - Final Dsgn	7	19MAY11	19MAY11	27MAY11	27MAY11	0	2	3,164.20			EM//EM =20 ;				
2480-0039	FDR Prep-Duct & VV Mods	20	31MAY11	31MAY11	27JUN11	27JUN11	0	2	8,859.76			EM//EM=56				
2480-0040	CONDUCT FDR-Duct & VV Mods	1	28JUN11	28JUN11	28JUN11*	28JUN11*	0	2	1,265.68			EM//EM =08 ;				
2480-0041	Disposition FDR Chits	33	29JUN11*	29JUN11*	15AUG11	15AUG11	0	345	24,523.00			EM//EM =100 ; EA//ES =100 ;				
Procure, Fab & Assembly																
2480-0042	Prep Req & Procurement Pckg	30	03DEC12*	03DEC12*	22JAN13	22JAN13	0	20	8,502.72			EM//EM =48 ;				
2480-0044	Submit Req to Procurement - 40" VAT Valves (2)	1	01FEB13*	01FEB13*	01FEB13	01FEB13	0	55	1,417.12			EM//EM =08 ;				
2480-0045	Procurement Lead Times - 40" VAT Valves (2)	25	04FEB13	04FEB13	08MAR13	08MAR13	0	55	0.00							
2480-0046	Award - - 40" VAT Valves (2)	3	11MAR13	11MAR13	13MAR13	13MAR13	0	55	0.00							
2480-0047	Fabricate / Delivery - 40" VAT Valves (2)	180	14MAR13	14MAR13	26NOV13	26NOV13	0	55	331,708.33					41=250,000 ;		
2480-0049	Submit Req to Procurement - 40" Bellows Section	1	23JAN13*	23JAN13*	23JAN13	23JAN13	0	20	1,417.12			EM//EM =08 ;				
2480-0050	Procurement Lead Time - 40" Bellows Section	25	24JAN13	24JAN13	27FEB13	27FEB13	0	20	0.00							
2480-0051	Award - 40" Bellows Section	3	28FEB13	28FEB13	04MAR13	04MAR13	0	20	0.00							
2480-0052	Fabricate / Delivery - 40" Bellows Section	130	05MAR13	05MAR13	06SEP13	06SEP13	0	20	272,640.00			41=200,000 ; 48=8,000 ;				
2480-0054	Submit Req to Proc-Rectangular Bellows Section	1	03JAN12*	03JAN12*	03JAN12	03JAN12	0	108	1,387.92			EM//EM =08 ;				
2480-0055	Procurement Lead Time-Rectangular Bellows Sectn	25	04JAN12	04JAN12	07FEB12	07FEB12	0	108	0.00							
2480-0056	Award-Rectangular Bellows Section	1	11JUN12*	11JUN12*	11JUN12	11JUN12	0	21	0.00							
2480-0057	Fabricate / Delivery-Rectangular Bellows Section	400	12JUN12	12JUN12	27JAN14	27JAN14	0	21	507,828.38					41=400,000 ; 4		
2480-0059	Prep Req & Procurement Pckg - Vessel Cap & Port E	8	01AUG12*	02APR12*	10AUG12	11APR12	85	214	11,103.36			EM//EM =64 ;				
2480-0060	Submit Req to Procurement - Vessel Cap & Port Ex	1	13AUG12	12APR12	13AUG12	12APR12	85	214	693.96			EM//EM =04 ;				
2480-0061	Procurement Lead Times - Vessel Cap & Port Exten	25	14AUG12	13APR12	18SEP12	17MAY12	85	214	0.00							
2480-0062	Award - Vessel Cap & Port Extension	1	01OCT12*	01OCT12*	01OCT12	01OCT12	0	121	0.00							
2480-0063	Fabricate / Delivery - Vessel Cap & Port Extensn	180	02OCT12*	02OCT12*	24JUN13	24JUN13	0	121	142,640.00			41=100,000 ; 35=8,000 ;				
2480-0064	Prep Req & Procurement Pckg - Spool Piece	5	01JUN12*	01JUN12*	07JUN12	07JUN12	0	276	5,204.70			EM//EM =30 ;				

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY							
											FY11	FY12	FY13	FY14	FY15			
2480-0065	Submit Req to Procurement - Spool Piece	1	08JUN12	08JUN12	08JUN12	08JUN12	0	276	693.96									
2480-0066	Procurement Lead Times - Spool Piece	25	11JUN12	11JUN12	16JUL12	16JUL12	0	276	0.00									
2480-0067	Award - Spool Piece	1	03OCT12*	03OCT12*	03OCT12	03OCT12	0	221	0.00									
2480-0068	Fabricate / Delivery - Spool Piece	120	04OCT12*	04OCT12*	02APR13	02APR13	0	221	79,200.00									
2480-0070	Fabricate / Delivery - RWM Coil Mtrl (cooper)	100	23JAN13*	23JAN13*	12JUN13	12JUN13	0	161	17,257.12									
2480-0072	Prep Req & Procurement Pckg-Raw Material f/Duct	3	01OCT12*	01OCT12*	03OCT12	03OCT12	0	202	3,188.52									
2480-0073	Submit Req to Procurement -Other Material f/Duct	1	04OCT12	04OCT12	04OCT12	04OCT12	0	202	708.56									
2480-0074	Procurement Lead Time - Other Material for Duct	25	05OCT12	05OCT12	08NOV12	08NOV12	0	202	0.00									
2480-0075	Award - Other Material for Duct	1	09NOV12	09NOV12	09NOV12	09NOV12	0	202	0.00									
2480-0076	Fabricate / Delivery-Other Mtrl f/Duct	100	12NOV12*	12NOV12*	11APR13	11APR13	0	202	132,000.00									
Installation																		
2480-0077	Installation Procedure - Duct & VV Mods	60	01APR13*	01APR13*	24JUN13	24JUN13	0	51	28,174.08									
2480-0078	Installation Material - Duct & VV Mods	20	25JUN13*	25JUN13*	24JUL13	24JUL13	0	51	26,400.00									
2480-0078A	Duct Cladding Installation	10	12APR13	12APR13	25APR13	25APR13	0	210	8,081.92									
2480-0081	Install Vessel Supports/Prep Machine	12	09SEP13	09SEP13	24SEP13	24SEP13	0	20	15,205.26									
2480-0082	Remove Bay-K Nozzle	8	25SEP13	25SEP13	04OCT13	04OCT13	0	20	10,945.20									
2480-0083	Cut J-K opening	30	07OCT13	07OCT13	15NOV13	15NOV13	0	20	97,336.00									
2480-0084	Fit Up/Install Cap	25	18NOV13	18NOV13	03JAN14	03JAN14	0	20	49,598.80									
2480-0085	Install Duct Supports	3	06JAN14	06JAN14	08JAN14	08JAN14	0	20	3,696.64									
2480-0086	Install K Extension	2	09JAN14	09JAN14	10JAN14	10JAN14	0	20	2,203.72									
2480-0086A	RWM Coil Installation	10	13JAN14	13JAN14	24JAN14	24JAN14	0	22	12,203.92									
2480-0088	Make up NB2 Transition Duct	7	13JAN14*	13JAN14*	21JAN14	21JAN14	0	20	10,056.36									
2480-0089	Leak Check Duct	5	22JAN14	22JAN14	28JAN14	28JAN14	0	20	4,593.60									
2480-0090	Install Transition Duct	5	29JAN14	29JAN14	04FEB14	04FEB14	0	20	9,187.20									
2480-0091	Install, Connect Bake Out Lines	1	05FEB14	05FEB14	05FEB14	05FEB14	0	20	1,101.86									
2480-0092	PTP Testing - Duct & VV Mods	5	06FEB14	06FEB14	12FEB14	12FEB14	0	20	3,643.60									
FY092480	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		183,352.00	100								
FY102480	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		101,704.00	100								
FY102480A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		35,090.00									
Job: 2485 - Vacuum Pumping System-PRINISKI																		
Design																		
2485-0013	PDR Prep	10	09JUN10A	09JUN10A	22JUN10A	22JUN10A	0		0.00	100								
2485-0014	CONDUCT PDR	2	23JUN10A	23JUN10A	24JUN10A	24JUN10A	0		0.00	100								
2485-0015	Disposition PDR Chits	15	25JUN10A	25JUN10A	16JUL10A	16JUL10A	0		0.00	100								
2485-0016	Vacuum Diagnostic Layout	20	01MAR11*	01MAR11*	28MAR11	28MAR11	0	10	4,050.32									
2485-0016A	Magnetic Shielding Final Design	143*	01SEP10A	01SEP10A	31MAR11	31MAR11	0	47	14,947.20	60								
2485-0017	Design Drawings	217*	19JUL10A	19JUL10A	31MAY11	31MAY11	0	5	11,916.13	60								
2485-0018	Update Cost & Schedule Estimate	5	01JUN11	01JUN11	07JUN11	07JUN11	0	5	6,328.40									
2485-0019	FDR Prep	10	08JUN11	08JUN11	21JUN11	21JUN11	0	5	0.00									
2485-0020	CONDUCT FDR	2	22JUN11*	22JUN11*	23JUN11	23JUN11	0	5	0.00									
2485-0021	FDR Chit Resolution (All Areas)	20	24JUN11*	24JUN11*	22JUL11	22JUL11	0	554	19,618.40									
2485PEER	Peer Review	0			31MAR11	31MAR11	0	64	0.00									

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	Fiscal Year					
											FY11	FY12	FY13	FY14	FY15	
Procure, Fab & Assembly																
2485-0022	Prep Req & proc pkg - 3200i/s TMPx2	4	01OCT13*	01OCT13*	04OCT13	04OCT13	0	8	3,662.80						EM/EM =20 ;	
2485-0023	SUBMIT REQ TO PROC - 3200i/s TMPx2	1	07OCT13	07OCT13	07OCT13	07OCT13	0	69	183.14						EM/EM =01 ;	
2485-0024	Procurement lead time (1) - 3200i/s TMPx2	15	08OCT13	08OCT13	28OCT13	28OCT13	0	69	0.00							
2485-0025	AWARD - 3200i/s TMPx2	1	29OCT13	29OCT13	29OCT13	29OCT13	0	69	0.00							
2485-0026	Fabricate or delivery - 3200i/s TMPx2	90	30OCT13	30OCT13	18MAR14	18MAR14	0	69	87,750.00						41=65,000 ;	
2485-0028	Prep Req & proc pkg - New VAT Valves	2	07OCT13	07OCT13	08OCT13	08OCT13	0	8	366.28							
2485-0029	SUBMIT REQ TO PROC- New VAT Valves	1	09OCT13	09OCT13	09OCT13	09OCT13	0	77	183.14						EM/EM =01 ;	
2485-0030	Procurement lead time (1)- New VAT Valves	15	10OCT13	10OCT13	30OCT13	30OCT13	0	77	0.00							
2485-0031	AWARD- New VAT Valves	1	31OCT13	31OCT13	31OCT13	31OCT13	0	77	0.00							
2485-0032	Fabricate or delivery - New VAT Valves	80	01NOV13	01NOV13	06MAR14	06MAR14	0	77	29,700.00						41=22,000 ;	
2485-0034	Prep Req & proc pkg - Vacuum Instrumentation	4	10OCT13	10OCT13	15OCT13	15OCT13	0	85	3,662.80						EM/EM =20 ;	
2485-0035	SUBMIT REQ TO PROC- Vacuum Instrumentation	1	16OCT13	16OCT13	16OCT13	16OCT13	0	85	183.14						EM/EM =01 ;	
2485-0036	Procurement lead time (1)- Vacuum Instrumentatn	15	17OCT13	17OCT13	06NOV13	06NOV13	0	85	0.00							
2485-0037	AWARD- Vacuum Instrumentation	1	07NOV13	07NOV13	07NOV13	07NOV13	0	85	0.00							
2485-0038	Fabricate or delivery - Vacuum Instrumentation	90	08NOV13	08NOV13	27MAR14	27MAR14	0	85	5,400.00						41=4,000 ;	
2485-0040	Prep Req & proc pkg - Misc Mtrl/Comp for Ducts	4	09OCT13	09OCT13	14OCT13	14OCT13	0	8	2,380.82						EM/EM =13 ;	
2485-0041	SUBMIT REQ TO PROC - Misc Mtrl/Comp for Ducts	1	15OCT13	15OCT13	15OCT13	15OCT13	0	8	183.14						EM/EM =01 ;	
2485-0042	Procurement lead time (1) - Mtrl/Comp for Duct	15	16OCT13	16OCT13	05NOV13	05NOV13	0	8	0.00							
2485-0043	AWARD - Misc Mtrl/Comp for Ducts	1	06NOV13	06NOV13	06NOV13	06NOV13	0	8	0.00							
2485-0044	Fabricate or delivery - Misc Mtrl/Comp for Ducts	70	07NOV13	07NOV13	26FEB14	26FEB14	0	83	32,400.00						41=24,000 ;	
2485-0044A	Fabricate or delivery - All Other Mtrl/Component	160	07NOV13*	07NOV13*	03JUL14	03JUL14	0	8	44,162.80						41=30,000 ;EM/EM=20 ;	
Installation																
2485-0046	Installation Procedure	10	07OCT13*	07OCT13*	18OCT13	18OCT13	0	166	7,325.60						EM/EM =40 ;	
2485-0047	Pre-Assemble Duct Legs 1 and 2	15	19MAR14*	19MAR14*	08APR14	08APR14	0	69	27,523.68						EM/EM =12 ; EM/ST =150 ; 41=6,000 ;	
2485-0048	Leak Checking	3	31JUL14	31JUL14	04AUG14	04AUG14	0	15	1,378.08						EM/ST =12 ;	
2485-0049	Install TVPS Supports/	8	07JUL14	07JUL14	16JUL14	16JUL14	0	8	15,097.24						EM/EM =26 ; EM/ST =90 ;	
2485-0050	Install Ducts/Pumps	10	17JUL14*	17JUL14*	30JUL14	30JUL14	0	8	14,687.44						EM/EM =20 ; EM/ST =96 ;	
2485-0050A	Install Vacuum Instrumentation	10	31JUL14	31JUL14	13AUG14	13AUG14	0	8	18,250.00						EM/EM =20 ; EM/ST =80 ; M&S=4,000 ;	
2485-0051	PTP Testing	10	14AUG14	14AUG14	27AUG14	27AUG14	0	8	2,920.64						EM/SM =10 ; EM/EM =06 ;	
FY102485	FY10 Actual Cost	40	01MAR10A	01MAR10A	30APR10A	30APR10A	0		5,206.00	100						
FY102485A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		28,285.00		81=35836					
Job: 2490 - NTC Equipt Relocations-PERRY																
Removal Procedures																
24910010	Prep proced rack 419 removal - UCLA Reflectometer	3	03OCT11*	03OCT11*	05OCT11	05OCT11	0	207	4,141.92						EM/SM =24 ;	
24910160	Prep procedure rack 440 removal-SPRED & VIPS	3	06OCT11	06OCT11	10OCT11	10OCT11	0	207	4,141.92							
24910210	Prep procedure rack 441-445 removal-VV ion gases	3	11OCT11	11OCT11	13OCT11	13OCT11	0	207	4,141.92							
24910260	Prep procedure rack 447-448 removal-Fiber Optics	3	14OCT11	14OCT11	18OCT11	18OCT11	0	207	4,141.92							
24910310	Prep procedure rack 449 removal - Glow Discharge	3	19OCT11	19OCT11	21OCT11	21OCT11	0	207	4,141.92							
24910360	Prep proced rack 456 removal-Xray Crystal Spectr	3	24OCT11	24OCT11	26OCT11	26OCT11	0	207	4,141.92							
24910380	Prp proced rack 488 remv-Dep monitr/fast xray/NPA	3	27OCT11	27OCT11	31OCT11	31OCT11	0	207	4,141.92							
24910430	Prep procedure rack 489 removal - NPA	3	01NOV11	01NOV11	03NOV11	03NOV11	0	207	4,141.92							
24910450	Prep procedure rack removal - PSI Camera	3	04NOV11	04NOV11	08NOV11	08NOV11	0	207	4,141.92							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	Fiscal Year					
											FY11	FY12	FY13	FY14	FY15	
24910500	Prp procd rack removal -Ultra Fast X-ray Camera	3	09NOV11	09NOV11	11NOV11	11NOV11	0	207	4,141.92							
24910550	Prep procd rack removal-Transmsn Grating Spectro	3	14NOV11	14NOV11	16NOV11	16NOV11	0	207	4,141.92							
24910700	Prp procd equipt removal Bay J-Two gas injectors	1	17NOV11	17NOV11	17NOV11	17NOV11	0	207	1,387.92							
24910750	Prep procd equipment removal Bay J - Reflectomer	1	18NOV11	18NOV11	18NOV11	18NOV11	0	207	1,387.92							
24910800	Prep procdur equipment removal Bay J - Bolometer	1	21NOV11	21NOV11	21NOV11	21NOV11	0	207	1,387.92							
24910850	Prep procdur equipment removal Bay J - RF Prove	1	22NOV11	22NOV11	22NOV11	22NOV11	0	207	1,387.92							
24910900	Prep procedure equipment removal Bay J - S-Flip	1	23NOV11	23NOV11	23NOV11	23NOV11	0	207	1,387.92							
24910950	Prep procedure equipment removal Bay J - SSNPA	1	28NOV11	28NOV11	28NOV11	28NOV11	0	207	1,387.92							
24911000	Prp procd equipt removal Bay J-Re-entrant Window	1	29NOV11	29NOV11	29NOV11	29NOV11	0	207	1,387.92							
24911050	Prp procd equipt removal Bay K-High K Scattering	5	30NOV11	30NOV11	06DEC11	06DEC11	0	207	6,939.60							
24911070	Prep procdur equipment removal Bay K - FireTips	5	07DEC11	07DEC11	13DEC11	13DEC11	0	207	6,939.60							
24911090	Prep procdur equipment removal Bay K - PSI Camera	3	14DEC11	14DEC11	16DEC11	16DEC11	0	207	4,163.76							
24911110	Prp procedure equipment removal Bay K - NPA	5	19DEC11	19DEC11	23DEC11	23DEC11	0	207	6,939.60							
24911130	Prp procd equipt remov Bay K-Ultra Fast Xray Cam	1	03JAN12	03JAN12	03JAN12	03JAN12	0	207	1,387.92							
24911150	Prp procd equipt removal Bay K-IR Window f/Camra	1	04JAN12	04JAN12	04JAN12	04JAN12	0	207	1,387.92							
24911200	Prp procd equip removal Bay K-Trans Grating Spec	1	05JAN12	05JAN12	05JAN12	05JAN12	0	207	1,387.92							
24911250	Prep procd EQ remval Bay L pmp duct-VV Ion Gages	2	06JAN12	06JAN12	09JAN12	09JAN12	0	207	2,775.84							
24911300	Prp procd EQ rem BayL pmp duct-X-ray Crystal Spe	1	10JAN12	10JAN12	10JAN12	10JAN12	0	207	1,387.92							
24911320	Prep procdur equip removal Bay L pump duct-SPRED	1	11JAN12	11JAN12	11JAN12	11JAN12	0	207	1,387.92							
24911390	Prep procedure equip removal Bay L pump duct-RGA	2	12JAN12	12JAN12	13JAN12	13JAN12	0	207	2,775.84							
24911460	Prep procdur equip removal Bay L pump duct-LOWEUS	1	16JAN12	16JAN12	16JAN12	16JAN12	0	207	1,387.92							
24911630	Prp procd EQ remov Bay L pmp duct-MPTS Beam Dump	1	17JAN12	17JAN12	17JAN12	17JAN12	0	207	1,387.92							
24911642	Prp procd EQ remov Bay L pmp duct-Pump Duct	4	18JAN12	18JAN12	23JAN12	23JAN12	0	207	1,387.92							
24911750	Prep procdur Power/Ground/Light @ Platform W NTC	5	24JAN12	24JAN12	30JAN12	30JAN12	0	207	6,859.84							
24911820	Prp procd EQ Remov Misc. - Gas Delivery System	1	31JAN12	31JAN12	31JAN12	31JAN12	0	207	1,387.92							
24911840	Prp procd EQ Remov Misc. - NW Sect 109' Platform	2	01FEB12	01FEB12	02FEB12	02FEB12	0	207	2,775.84							
24911860	Prp procd EQ Remov Misc. - Convenience Outlets	5	03FEB12	03FEB12	09FEB12	09FEB12	0	207	6,939.60							
24911880	Prp procd EQ Remov Misc. - Cat 3 & Cat 4 Bus	5	10FEB12	10FEB12	16FEB12	16FEB12	0	207	6,939.60							
24911900	Prp procd EQ Remv Misc-Lights/E-stops/Fire Alarm	6	17FEB12	17FEB12	24FEB12	24FEB12	0	207	8,327.52							
24911920	Prp procd EQ Rem Misc-Glow Disch Splice Box/Disc	2	27FEB12	27FEB12	28FEB12	28FEB12	0	207	2,775.84							
Removals																
24910019	BEGIN DIAG REMOVALS	0			02APR12*	02APR12*	0	183	0.00							
24910020	Remove rack 419 - UCLA Reflectometer	4	03APR12	03APR12	06APR12	06APR12	0	183	8,472.20							
24910170	Remove rack 440 - SPRED and VIPS	8	09APR12	09APR12	18APR12	18APR12	0	183	14,639.60							
24910220	Remove rack 441-445 - VV ion gages, RGA	15	19APR12	19APR12	09MAY12	09MAY12	0	183	31,761.16							
24910270	Remove rack 447-448 - Fiber Optics	5	10MAY12	10MAY12	16MAY12	16MAY12	0	183	11,593.48							
24910320	Remove rack 449 - Glow Discharge	10	17MAY12	17MAY12	31MAY12	31MAY12	0	183	21,677.32							
24910370	Remove rack 456 --Xray Crystal Spectr	7	01JUN12	01JUN12	11JUN12	11JUN12	0	183	15,074.76							
24910390	Remove rack 488 - Deposin monitor/fast xray/NPA	7	12JUN12	12JUN12	20JUN12	20JUN12	0	183	15,074.76							
24910440	Remove rack 489 - NPA	10	21JUN12	21JUN12	05JUL12	05JUL12	0	183	21,677.32							
24910460	Remove rack - PSI Camera	2	06JUL12	06JUL12	09JUL12	09JUL12	0	183	4,990.92							
24910510	Remove rack - Ultra Fast X-ray Camera	2	10JUL12	10JUL12	11JUL12	11JUL12	0	183	4,990.92							
24910560	Remove rack - Transmission Grating Spectrometer	3	12JUL12	12JUL12	16JUL12	16JUL12	0	183	6,731.56							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
24910690	Moving equipment in & Out of NTC	6	17JUL12	17JUL12	24JUL12	24JUL12	0	183	13,205.12							
24910710	Remove Bay J - Two gas injectors	1	25JUL12	25JUL12	25JUL12	25JUL12	0	183	1,869.64							
24910760	Remove Bay J - Reflectometer	1	26JUL12	26JUL12	26JUL12	26JUL12	0	183	1,869.64							
24910810	Remove Bay J - Bolometer	1	27JUL12	27JUL12	27JUL12	27JUL12	0	183	1,869.64							
24910860	Remove Bay J - RF Prove	1	30JUL12	30JUL12	30JUL12	30JUL12	0	183	1,869.64							
24910910	Remove Bay J - S-Flip	1	31JUL12	31JUL12	31JUL12	31JUL12	0	183	1,869.64							
24910960	Remove Bay J - SSNPA	1	01AUG12	01AUG12	01AUG12	01AUG12	0	183	999.32							
24911010	Remove Bay J - Re-entrant Window	1	02AUG12	02AUG12	02AUG12	02AUG12	0	183	999.32							
24911060	Remove Bay K - High K Scattering	10	03AUG12	03AUG12	16AUG12	16AUG12	0	183	34,941.80							
24911080	Remove Bay K - Fire Tips	5	17AUG12	17AUG12	23AUG12	23AUG12	0	183	17,535.40							
24911100	Remove Bay K - PSI Camera	4	24AUG12	24AUG12	29AUG12	29AUG12	0	183	14,054.12							
24911120	Remove Bay K - NPA	10	30AUG12	30AUG12	13SEP12	13SEP12	0	183	34,941.80							
24911140	Remove Bay K - Ultra Fast X-ray Camera	1	14SEP12	14SEP12	14SEP12	14SEP12	0	183	999.32							
24911160	Remove Bay K - IR Window for Camera	1	17SEP12	17SEP12	17SEP12	17SEP12	0	183	999.32							
24911210	Remove Bay K - Transmission Grating Spectrometer	1	18SEP12	18SEP12	18SEP12	18SEP12	0	183	999.32							
24911260	Remove Bay Bay L pump duct-VV Ion Gages/Filament	2	19SEP12*	19SEP12*	20SEP12	20SEP12	0	183	3,610.28							
24911310	Remove Bay Bay L pump duct-X-ray Crystal Spectr	1	21SEP12	21SEP12	21SEP12	21SEP12	0	183	2,739.96							
24911330	Remove Bay L pump duct-SPRED	1	24SEP12	24SEP12	24SEP12	24SEP12	0	183	1,869.64							
24911400	Remove Bay L pump duct-RGA	3	25SEP12	25SEP12	27SEP12	27SEP12	0	183	5,350.92							
24911470	Remove Bay L pump duct - LOWEUS	3	28SEP12	28SEP12	02OCT12	02OCT12	0	183	1,896.07							
24911640	Remove Bay L pump duct-MPTS Beam Dump Window	1	03OCT12	03OCT12	03OCT12	03OCT12	0	183	1,020.64							
24911646	Remove Bay L pump duct-Pump Duct	1	04OCT12	04OCT12	04OCT12	04OCT12	0	183	17,307.52							
24911830	Remove Misc. EQ. - Gas Delivery System	4	05OCT12	05OCT12	10OCT12	10OCT12	0	183	18,363.52							
24911850	Remove Misc. EQ - NW Sect 109' Platform	6	11OCT12	11OCT12	18OCT12	18OCT12	0	183	33,485.28							
24911870	Remove Misc. EQ - Convenience Outlets	10	19OCT12	19OCT12	01NOV12	01NOV12	0	183	23,330.72							
24911890	Remove Misc. EQ - Cat 3 & Cat 4 Bus	5	02NOV12	02NOV12	08NOV12	08NOV12	0	183	14,351.68							
24911910	Remove Misc. EQ-Lights/E-stops/Fire Alarm	13	09NOV12	09NOV12	29NOV12	29NOV12	0	183	32,715.20							
24911930	Remove Misc. EQ-Glow Disch Splice Box/Disc	2	30NOV12	30NOV12	03DEC12	03DEC12	0	183	6,287.20							
24919999	REMOVALS COMPLETE	0			03DEC12	03DEC12	0	183	0.00							
Design, Procurement & Fabr of Re-installations																
24910030	Dsgn rack 419 re-installation - UCLA Reflectometer	17	29SEP11*	29SEP11*	21OCT11	21OCT11	0	92	23,741.77							
24910040	Prep procd rack 419 re-installn-UCLA Reflectomet	3	24OCT11	24OCT11	26OCT11	26OCT11	0	92	4,668.16							
24910080	Dsgn rack 431-435 re-installatn-VV T/C/magnetics	45	27OCT11	27OCT11	09JAN12	09JAN12	0	92	70,496.64							
24910090	Prep procd rack 431-435 re-instln-VV T/C/magnetic	5	10JAN12	10JAN12	16JAN12	16JAN12	0	92	6,859.84							
24910180	Design rack 440 re-installation - SPRED	13	17JAN12	17JAN12	02FEB12	02FEB12	0	92	19,587.20							
24910190	Prep procd rack 440 re-installatn-SPRED	3	03FEB12	03FEB12	07FEB12	07FEB12	0	92	4,668.16							
24910230	Dsgn rack 441-445 re-installatn-VV ion gages/RGA	46	08FEB12	08FEB12	11APR12	11APR12	0	92	65,142.48							
24910240	Prep procd rack 441-445 re-instln-VV ion gage/RGA	5	12APR12	12APR12	18APR12	18APR12	0	92	6,859.84							
24910280	Design rack 447-448 re-installation-Fiber Optics	17	19APR12	19APR12	11MAY12	11MAY12	0	92	23,970.56							
24910290	Prep procd rack 447-448 re-instaltn-Fiber Optics	3	14MAY12	14MAY12	16MAY12	16MAY12	0	92	4,668.16							
24910330	Design rack 449 re-installation - Glow Discharge	45	17MAY12	17MAY12	20JUL12	20JUL12	0	92	67,916.64							
24910340	Prep procedure rack 449 re-install-Glow Discharge	5	23JUL12	23JUL12	27JUL12	27JUL12	0	92	6,859.84							
24910400	Dsgn rack 488 reinstal-Dep monitr/fast xray	20	30JUL12	30JUL12	24AUG12	24AUG12	0	92	28,638.72							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY				
											FY11	FY12	FY13	FY14	FY15
24910410	Prp procd rck 488 reinst-Dep montr/fast xray	5	27AUG12	27AUG12	31AUG12	31AUG12	0	92	6,859.84						
24910470	Design rack re-installation - PSI Camera	20	04SEP12	04SEP12	01OCT12	01OCT12	0	92	28,669.56						
24910480	Prep procedure rack re-installation - PSI Camera	5	02OCT12	02OCT12	08OCT12	08OCT12	0	92	7,007.04						
24910520	Dsgn rack reinstallation-Ultra Fast X-ray Camera	20	09OCT12	09OCT12	05NOV12	05NOV12	0	92	29,255.52						
24910530	Prp procd rack re-install-Ultra Fast X-ray Camera	5	06NOV12	06NOV12	12NOV12	12NOV12	0	92	7,007.04						
24910570	Dsgn rack re-install- Transmissn Grating Spectrom	13	13NOV12	13NOV12	03DEC12	03DEC12	0	92	15,958.08						
24910580	Prp procd rack re-install-Transm Grating Spectrom	3	04DEC12	04DEC12	06DEC12	06DEC12	0	92	7,409.28						
24910600	Design rack re-installation -IR Camera at Bay L	12	07DEC12	07DEC12	02JAN13	02JAN13	0	92	18,891.84						
24910610	Prep procd rack re-installatn-IR Camera at Bay L	3	03JAN13	03JAN13	07JAN13	07JAN13	0	92	4,769.28						
24910630	Design rack re-installation - IR Camera at Bay K	24	01OCT12*	01OCT12*	01NOV12	01NOV12	0	52	41,651.04						
24910640	Prep procedure rack re-install-IR Camera at Bay K	3	02NOV12	02NOV12	06NOV12	06NOV12	0	52	4,769.28						
24910660	Dsgn rack re-install-Reconf AC & Diagnostic Trays	45	07NOV12	07NOV12	21JAN13	21JAN13	0	52	79,945.44						
24910670	Prp procd rack re-install-Reconf AC & Diagnt Tray	5	22JAN13	22JAN13	28JAN13	28JAN13	0	52	7,007.04						
24910730	Prep procd Equipt reinstn Bay J-Two gas injectr	10	29JAN13	29JAN13	11FEB13	11FEB13	0	52	14,171.20						
24910780	Prep procd Equipt reinstn Bay J-Reflectomer	5	12FEB13	12FEB13	18FEB13	18FEB13	0	52	7,085.60						
24910830	Prep procd Equipt reinstn Bay J-Bolometer	5	19FEB13	19FEB13	25FEB13	25FEB13	0	52	7,085.60						
24910880	Prep procd Equipt reinstn Bay J-RF Prove	5	26FEB13	26FEB13	04MAR13	04MAR13	0	52	7,085.60						
24910930	Prep procd Equipt reinstn Bay J-S-Flip	5	05MAR13	05MAR13	11MAR13	11MAR13	0	52	7,085.60						
24910980	Prep procd Equipt reinstn Bay J-SSNPA	5	12MAR13	12MAR13	18MAR13	18MAR13	0	52	7,085.60						
24911030	Prep procd Equip reinst Bay J-Re-entrant Window	5	19MAR13	19MAR13	25MAR13	25MAR13	0	52	7,085.60						
24911180	Prep procd Equip reinst NB2 Duct-IR Window f/Cam	5	26MAR13	26MAR13	01APR13	01APR13	0	52	7,085.60						
24911230	Prep procd EQ reinst NB2 Duct-Trans Grating Spect	5	02APR13	02APR13	08APR13	08APR13	0	52	7,085.60						
24911280	Prep procd EQ reinstal New pmp duct-VV Ion Gages	5	09APR13	09APR13	15APR13	15APR13	0	52	7,085.60						
24911340	Design Equip re-installatn Bay L - SPRED	10	16APR13	16APR13	29APR13	29APR13	0	52	18,274.40						
24911350	Prep procedure Equip re-installatn Bay L -SPRED	3	30APR13	30APR13	02MAY13	02MAY13	0	52	4,773.76						
24911360	Procure Equipment re-installatn Bay L - SPRED	1	03MAY13	03MAY13	03MAY13	03MAY13	0	204	4,057.12						
24911370	Fabrication Equipment re-installatn Bay L-SPRED	5	06MAY13	06MAY13	10MAY13	10MAY13	0	204	8,886.40						
24911410	Prelim Design New Pump Duct - RGA	10	03MAY13	03MAY13	16MAY13	16MAY13	0	52	25,360.00						
24911420	Final Design New Pump Duct - RGA	10	17MAY13	17MAY13	31MAY13	31MAY13	0	52	25,360.00						
24911430	Prep procd Equip reinstalln New Pump Duct - RGA	5	03JUN13	03JUN13	07JUN13	07JUN13	0	52	7,011.52						
24911440	Procure Equipment reinstallatn New Pump Duct-RGA	1	10JUN13	10JUN13	10JUN13	10JUN13	0	184	11,977.12						
24911480	Design Bay L - LOWEUS	10	10JUN13	10JUN13	21JUN13	21JUN13	0	52	18,274.40						
24911490	Prep procedure Equip re-installatn Bay L- LOWEUS	3	24JUN13	24JUN13	26JUN13	26JUN13	0	52	4,773.76						
24911500	Procure Equipment re-installatn Bay L- LOWEUS	1	27JUN13	27JUN13	27JUN13	27JUN13	0	161	1,417.12						
24911510	Fabrication Equipment re-installatn Bay L-LOWEUS	10	28JUN13	28JUN13	15JUL13	15JUL13	0	161	8,886.40						
24911530	Design Bay L - IR Camera	6	27JUN13	27JUN13	08JUL13	08JUL13	0	52	15,189.12						
24911540	Prep procd Equip re-installatn Bay L- IR Camera	3	09JUL13	09JUL13	11JUL13	11JUL13	0	52	4,237.92						
24911550	Procure Equip re-installatn Bay L- IR Camera	1	12JUL13	12JUL13	12JUL13	12JUL13	0	162	2,640.00						
24911580	Design Bay L - Glow Discharge	10	12JUL13	12JUL13	25JUL13	25JUL13	0	52	18,274.40						
24911590	Prep procd EQ reinstallatn Bay L-Glow Discharge	3	26JUL13	26JUL13	30JUL13	30JUL13	0	52	4,773.76						
24911600	Procure EQ re-installatn Bay L-Glow Discharge	1	31JUL13	31JUL13	31JUL13	31JUL13	0	52	4,057.12						
24911610	Fabrication EQ reinstallatn Bay L-Glow Discharge	10	01AUG13	01AUG13	14AUG13	14AUG13	0	52	8,886.40						
24911700	Design 5 sections of Platform EI 118' W Side NTC	10	15AUG13	15AUG13	28AUG13	28AUG13	0	52	18,646.72						

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
24911710	Prep procd 5 sections of Platform EI 118' W Side	3	29AUG13	29AUG13	03SEP13	03SEP13	0	52	4,251.36							
24911720	Fab 5 sections of Platform EI 118' W Side NTC	20	04SEP13	04SEP13	01OCT13	01OCT13	0	106	53,275.36							
24911740	Fin Dsgn Power/Ground/Light @ Platform WSide NTC	20	04SEP13	04SEP13	01OCT13	01OCT13	0	52	31,946.16							
24911760	Procurements Power/Ground/Light @ Platform W NTC	1	02OCT13	02OCT13	02OCT13	02OCT13	0	105	5,400.00							
24911780	Design 42 Ckt Panel NTC/30 Ckt Panel Gallery	25	02OCT13	02OCT13	05NOV13	05NOV13	0	52	34,749.76							
24911790	Prep procd 42 Ckt Panel NTC/30 Ckt Panel Gallery	3	06NOV13	06NOV13	08NOV13	08NOV13	0	52	4,927.84							
24911800	Procuremnt 42 Ckt Panel NTC/30 Ckt Panel Gallery	1	11NOV13	11NOV13	11NOV13	11NOV13	0	77	81,000.00							
24911940	Prel Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	11NOV13	11NOV13	22NOV13	22NOV13	0	52	26,219.20							
24911950	Fin Dsgn New Pmp Duct-Tank Farm/TMB Sys/Gas Sol	10	25NOV13	25NOV13	10DEC13	10DEC13	0	52	26,219.20							
24911960	Prep proc EQ Reinst New Pmp Duct-Tank Farm/TMB S	5	11DEC13	11DEC13	17DEC13	17DEC13	0	52	14,651.20							
24911970	Proc EQ Reinst New Pmp Duct-Tank Farm/TMB Sys/Ga	1	18DEC13	18DEC13	18DEC13	18DEC13	0	52	18,900.00							
Re-Installation																
24910049	BEGIN RE-INSTALLATION OF DIAGNOSTICS	0			12FEB14	12FEB14	0	20	0.00							
24910050	re-install rack 419 - UCLA Reflectometer	6	13FEB14	13FEB14	20FEB14	20FEB14	0	22	11,294.64							
24910100	re-install rack 431-435 - VV T/C & magnetics	30	21FEB14	21FEB14	03APR14	03APR14	0	22	68,132.72							
24910200	re-install rack 440 - SPRED	8	04APR14	04APR14	15APR14	15APR14	0	22	15,805.80							
24910250	re-install rack 441-445 - VV ion gages, RGA	20	19MAR14	19MAR14	15APR14	15APR14	0	22	42,692.40							
24910300	re-install rack 447-448 - Fiber Optics	10	29APR14	28APR14	12MAY14	09MAY14	1	14	14,455.80							
24910350	re-install rack 449 - Glow Discharge	15	23JAN14	23JAN14	12FEB14	12FEB14	0	35	31,611.60							
24910420	re-install rack 488-Dep monitor/fast xray	10	13FEB14	13FEB14	26FEB14	26FEB14	0	35	21,993.12							
24910490	re-install rack - PSI Camera	10	27FEB14	27FEB14	12MAR14	12MAR14	0	35	21,074.40							
24910540	re-install rack - Ultra Fast X-ray Camera	10	13MAR14	13MAR14	26MAR14	26MAR14	0	35	21,074.40							
24910590	re-install rack-Transmission Grating Spectrometr	7	27MAR14	27MAR14	04APR14	04APR14	0	35	14,752.08							
24910620	re-install rack - IR Camera at Bay L	4	07APR14	07APR14	10APR14	10APR14	0	35	8,699.76							
24910650	re-install rack - IR Camera at Bay K	15	13MAY14	12MAY14	03JUN14	02JUN14	1	14	31,611.60							
24910680	re-install rack-Reconfigure AC & Diagnostic tray	30	13FEB14	13FEB14	26MAR14	26MAR14	0	20	82,417.52							
24910740	re-install Equipment Bay J - Two gas injectors	10	27MAR14	27MAR14	09APR14	09APR14	0	20	21,074.40							
24910790	re-install Equipment Bay J - Reflectometer	20	10APR14	10APR14	07MAY14	07MAY14	0	20	49,436.00							
24910840	re-install Equipment Bay J - Bolometer	20	10APR14	10APR14	07MAY14	07MAY14	0	20	49,436.00							
24910890	re-install Equipment Bay J - RF Prove	20	10APR14	10APR14	07MAY14	07MAY14	0	20	49,436.00							
24910940	re-install Equipment Bay J - S-Flip	15	17APR14	17APR14	07MAY14	07MAY14	0	20	49,436.00							
24910990	re-install Equipment Bay J - SSNPA	20	13FEB14	13FEB14	12MAR14	12MAR14	0	36	49,436.00							
24911040	re-install Equipment Bay J - Re-entrant Window	1	13MAR14	13MAR14	13MAR14	13MAR14	0	36	1,053.72							
24911190	re-install Equipment NB2 Duct-IR Window f/Camera	3	14MAR14	14MAR14	18MAR14	18MAR14	0	36	3,161.16							
24911240	reinstall Equip NB2 Duct-Transm Grating Spectro	20	19MAR14	19MAR14	15APR14	15APR14	0	36	49,436.00							
24911290	reinstall EQ New pump duct-VV Ion Gages/Filament	20	08MAY14	08MAY14	05JUN14	05JUN14	0	20	49,436.00							
24911380	re-install Bay L - SPRED	20	13FEB14	13FEB14	12MAR14	12MAR14	0	25	42,148.80							
24911450	Re-install New Pump Duct - RGA	20	13MAR14	13MAR14	09APR14	09APR14	0	25	42,148.80							
24911520	re-install Bay L - LOWEUS	20	13MAR14	13MAR14	09APR14	09APR14	0	25	42,148.80							
24911570	re-install Bay L - IR Camera	15	20MAR14	20MAR14	09APR14	09APR14	0	25	16,480.80							
24911620	re-install Bay L - Glow Discharge	20	10APR14	10APR14	07MAY14	07MAY14	0	25	42,148.80							
24911730	instl 5 sections of Platform EI 118' W Side NTC	5	08MAY14	08MAY14	14MAY14	14MAY14	0	25	21,912.80							
24911770	Install Power/Ground/Light @ Platform W Side NTC	10	15MAY14	15MAY14	29MAY14	29MAY14	0	25	21,074.40							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15		
24911810	Install 42 Ckt Panel NTC/30 Ckt Panel Gallery	20	01MAY14	01MAY14	29MAY14	29MAY14	0	25	49,436.00								
24911980	Reinstall New Pmp Duct-Tank Farm/TMB Sys/Gas So	50	20MAR14	20MAR14	29MAY14	29MAY14	0	25	110,818.72								
24911999	DIAGNOSTICS RE-INSTALLED	0			29MAY14	29MAY14	0	25	0.00								
24910001	Test Cell Oversight during diag removals	169	03APR12	03APR12	30NOV12	30NOV12	0	184	158,321.15								
24910002	Test Cell Oversight during diag re-installation	87	13FEB14	13FEB14	16JUN14	16JUN14	0	74	266,711.52								
FY092490	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		143,025.00	100							
FY102490	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		115,145.00	100							
FY102490A	FY10 Actual Cost	45	01JUN10A	01JUN10A	30JUL10A	30JUL10A	0		20,036.00								
Job: 3200 - Water Cooling System Mods-DENAULT																	
3200-0015	Prelim Dsn-Design Drawings	30	03MAY10A	03MAY10A	14JUN10A	14JUN10A	0		0.00	100							
3200-0016	Prelim Dsn-PDR Prep	5	15JUN10A	15JUN10A	21JUN10A	21JUN10A	0		0.00	100							
3200-0017	Prelim Dsn-CONDUCT PDR	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A	0		0.00	100							
3200-0021	Final Design-Disposition PDR Chits	2	24JUN10A	24JUN10A	25JUN10A	25JUN10A	0		0.00	100							
3200-0022	Final Design-Design Drawings	30	01OCT10*	01DEC10*	11NOV10	19JAN11	-41	1	16,614.80								
3200-0023	Final Design-Update Analyses	92	12NOV10	20JAN11	01MAR11	27MAY11	-63	1	14,035.60								
3200-0024	Final Design-Update Cost & Schedule Estimate	10	02MAR11	31MAY11	15MAR11	13JUN11	-63	1	12,656.80								
3200-0025	Final Design-Prep Procurement Specs	5	16MAR11	14JUN11	22MAR11	20JUN11	-63	1	6,328.40								
3200-0026	Final Design-FDR Prep	5	23MAR11	21JUN11	29MAR11	27JUN11	-63	1	6,328.40								
3200-0027	Final Design-CONDUCT FDR	2	30MAR11	28JUN11	31MAR11	29JUN11	-63	1	2,531.36								
3200-0055	Bus Work Cooling	10	11JUN14	11JUN14	24JUN14	24JUN14	0	31	34,311.60								
3200-0057	Flow Sensors	5	25JUN14	25JUN14	01JUL14	01JUL14	0	31	28,304.40								
3200-0059	Modify Manifold	10	02JUL14	02JUL14	16JUL14	16JUL14	0	31	34,311.60								
3200-0061	Fab & Connect Lines	5	17JUL14*	17JUL14*	23JUL14	23JUL14	0	31	20,530.80								
3200-0063	Leak Check	2	24JUL14	24JUL14	25JUL14	25JUL14	0	31	3,674.88								
FY093000	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		5,447.00	100							
FY103000	FY10 Actual Cost	40	01OCT09A	01OCT09A	30NOV09A	30NOV09A	0		3,956.00								
FY103200	FY10 Actual Cost	22	01APR10A	01APR10A	30APR10A	30APR10A	0		1,301.00	100							
FY103200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		4,904.00								
Job: 3300 - Bakeout System Mods for CSU-RAKI																	
3300-105	Bakeout- Prelim Design	37	03MAY10A	03MAY10A	23JUN10A	23JUN10A	0		0.00	100							
3300-110	Bakeout-PDR	0			23JUN10A	23JUN10A	0		0.00	100							
3300-115	Bakeout-Final Design	75*	01FEB11*	01FEB11*	16MAR11	16MAY11	-43	32	4,764.80								
3300-117	Bakeout-Peer Review	0				30MAR11*	0	2,361	0.00								
3300-120	Bakeout-FDR	0			16MAR11	29JUN11*	-74	1	0.00								
3300-125	Bakeout-Procure Hardware	130	01OCT13*	01OCT13*	14APR14	14APR14	0	13	50,007.84								
3300-130	Bakeout-Assembly	65	15APR14	15APR14	16JUL14	16JUL14	0	13	5,986.24								
3300-135	Bakeout-Installation	20	17JUL14	17JUL14	13AUG14	13AUG14	0	13	9,988.84								
3300-140	Bakeout-Test	5	14AUG14	14AUG14	20AUG14	20AUG14	0	13	8,434.12								
3300-PEER	Bakeout-FDR	0				24JUN11*	0	2,300	0.00								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
4100-0047	Assembly	65	21MAR13	21MAR13	20JUN13	20JUN13	0	37	114,001.78		EE//EM =10 ; EM//EM =132 ; EE//SM =280 ; EM//ST =360					
4100-0050	Installation Procedure (ex-vessel only)	15	01OCT12*	01OCT12*	19OCT12	19OCT12	0	201	29,835.40		EE//SM =20 ; EM//EM =40 ; EM//ST =40 ; EM//EM =80 ;					
4100-0051	Machine Installation (ex-vessel only)	30	21JUN13	21JUN13	05AUG13	05AUG13	0	37	65,733.40		EE//EM =20 ; EM//EM =40 ; EM//ST =180 ; EE//SM =200 ;					
4100-0052	PTP Testing	15	06AUG13	06AUG13	26AUG13	26AUG13	0	37	37,234.40		EE//EM =20 ; EM//EM =40 ; EE//SM =100 ; EM//ST =80 ;					
4100-0056	Mount Diagnostics in PFC Tiles	40	25APR13	25APR13	20JUN13	20JUN13	0	82	0.00							
4100-FY09	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		11,000.00	100						
FY104000	FY10 Actual Cost	40	01JAN10A	01JAN10A	26FEB10A	26FEB10A	0		-1,729.00							
FY104100	FY10 Actual Cost	65	01FEB10A	01FEB10A	30APR10A	30APR10A	0		12,432.00	100						
FY104100A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		69,954.00							
Job: 4500 - MPTS VV Modification-Labik																
Design																
MPTS-0003	PREPARE WORK PLANNING FORM	26*	11OCT10*	11OCT10A	12OCT10	15NOV10	-24	142	1,265.68	90	EM//EM =8 ;					
MPTS-0004	Prep System Description	108*	16AUG10A	16AUG10A	25JAN11	25JAN11	0	99	3,068.50	10	EM//EM =20 ; R//RM =0 ;					
MPTS-0007	Mechanical Design Bay L - Phase 1	69*	01OCT10	01OCT10A	17JAN11	17JAN11	0	105	31,726.30	70	EM//EM =90 ; EA//SB =140 ;					
MPTS-0008	Port Support Design Bay L	18	18JAN11*	18JAN11*	10FEB11	10FEB11	0	105	47,648.20		EM//EM =100 ; R//RM =40 ; EA//SB =200 ;					
MPTS-0009	Stress Analysis - Bay L	73*	11AUG10A	11AUG10A	14JAN11	22NOV10	31	137	139,845.17	90	EM//EM =60 ; EA//EM =700 ; R//RM =20 ;					
MPTS-0009A	Stress Analysis - Bay F	57*	01NOV10*	23NOV10*	21FEB11	21FEB11	0	137	52,830.00		EM//EM =20 ; EA//EM =240 ;					
MPTS-0010	N/A Technical Support (see 0021)	49	01SEP10A	01SEP10A	01SEP10A	01SEP10A	0		0.00	100						
MPTS-0011	Conceptual Design presented at PDR	7	23AUG10A	23AUG10A	31AUG10A	31AUG10A	0		0.00	100						
MPTS-0011A	Conceptual Design Chits	20	01SEP10A	01SEP10A	29SEP10A	29SEP10A	0		0.00	100	EM//EM =20					
MPTS-0014	Mechanical Design Bay F - Phase 2	118	17JAN11*	17JAN11*	30JUN11	30JUN11	0	284	36,764.85		EM//EM =35 ; R//RM =0 ; EA//SB =250 ;					
MPTS-0015	Port Support Design Bay F	86	20DEC10*	20DEC10*	26APR11	26APR11	0	312	48,366.35		EM//EM =100 ; R//RM =15 ; EA//SB =240 ;					
MPTS-0020	CONDUCT PDR for MPTS	1	10FEB11*	10FEB11*	10FEB11	10FEB11	0	88	6,518.05		EM//EM =20 ; R//RM =5 ; EA//SB=20					
MPTS-0020A	Input for Global FDR	11	01MAR11*	01MAR11*	15MAR11	15MAR11	0	76	28,223.30		EM//EM =60 ; R//RM =20 ; EA//EM =60 ; EA//SB =30 ;					
MPTS-0021	Technical Support General (LOE)	250*	01OCT10	01OCT10A	30SEP11	30SEP11	0	398	9,751.00	LOE	EM//EM =40 ; R//RM =20 ;					
MPTS-0023	Disposition PDR Chits	33	15APR11*	15APR11*	01JUN11	01JUN11	0	287	17,911.60		EM//EM =60 ; R//RM =20 ; EA//SB =40 ;					
MPTS-0025	Design Pro E Model - Phase 1	218*	15SEP10A	15SEP10A	29JUL11	29JUL11	0	431	21,474.70	80	EM//EM =20 ; R//RM =20 ; EA//SB =120 ;					
MPTS-0025A	Design Pro E Model - Phase 2	218*		15SEP10A		29JUL11	0	2,276	23,962.01	5	EM//EM =20 ; R//RM =20 ; EA//SB =140 ;					
MPTS-0026	Update Optic & Stress Analyses	113	21FEB11*	21FEB11*	29JUL11	29JUL11	0	359	20,505.40		EM//EM =20 ; EA//EM =90 ; R//RM =0 ;					
MPTS-0027	Update Cost & Schedule Estimate	24	09MAY11*	09MAY11*	10JUN11	10JUN11	0	304	4,019.85		EM//EM =20 ; R//RM =5 ; EA//EM =80 ; EA//SB =30 ;					
MPTS-0028	Final Design Changes	48	23MAY11*	23MAY11*	29JUL11	29JUL11	0	294	23,181.55		EM//EM =20 ; EA//SB =30 ; R//RM =10 ;					
MPTS-0028A	CONDUCT FDR MPTS VV interface	18	07JUN11*	07JUN11*	30JUN11	30JUN11	0	284	8,622.80		EM//EM =20 ; EA//SB =30 ; R//RM =10 ;					
MPTS-0028C	CONDUCT FDR externals	18	30AUG11*	30AUG11*	23SEP11	23SEP11	0	2,237	13,369.60		EM//EM =20 ; EA//SB =20 ; EA??EM=40					
MPTS-0029	Detail Drawings	43	31MAY11*	31MAY11*	29JUL11	29JUL11	0	289	15,655.20		EM//EM =20 ; R//RM =0 ; EA//SB =100 ;					
MPTS-0030	FDR Chit Response	5	01JUL11	01JUL11	08JUL11	08JUL11	0	284	24,430.65		EM//EM =20 ; R//RM =5 ; EA//EM =80 ; EA//SB =40 ;					
Procurement																
MPTS-0032	Bay L Wire Seal Flange & Nozzle w/Weld Prep	130	03OCT11*	03OCT11*	11APR12	11APR12	0	225	27,534.90		EM//EM =10 ; 41=20,000 ;					
MPTS-0033	Bay L Port Cover	130	03OCT11*	03OCT11*	11APR12	11APR12	0	225	8,607.45		EM//EM =5 ; 41=6000 ;					
MPTS-0035	Misc Materials	130	03OCT11*	03OCT11*	11APR12	11APR12	0	225	12,054.90		EM//EM 10 ; 41=8000 ;					
MPTS-0036	Tooling	130	03OCT11*	03OCT11*	11APR12	11APR12	0	225	7,317.45		41=5000 ; em/em=5					
Fabrication																
MPTS-0038	Fabricate Tooling & New Port Support Assemblies	76	03JAN12*	03JAN12*	17APR12	17APR12	0	167	70,390.20		EM//EM =80 ; EM//SM =150 ; DP//TB =300 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15		
541-005	541 - Electrical Interlocks -proced, specs, revs	433	24JUN11	24JUN11	21MAR13	21MAR13	0	46	203,256.67							EE//EM =772 ; EA//SB =42	
541-009	541 - Electrical Interlocks -Procurement PLC	80	22MAR13*	22MAR13*	16JUL13	16JUL13	0	46	134,640.00							EE//EM =41=102,000 ;	
541-013	541 - Electrical Interlocks -Installation	80	19AUG13*	19AUG13*	11DEC13	11DEC13	0	23	389,491.44							EE//EM =772 ; EE//SM =120 ; EE//TB =1,200 ; 41=75,000 ;	
541-017	541 - Electrical Interlocks -Test&Commission	40	12DEC13*	12DEC13*	17FEB14	17FEB14	0	23	30,744.40							EE//EM =40 ; EE//SM =40 ; EE//TB =160 ;	
542-005	542 - Kirk Key Interlocks -Dsn	536	24JUN11	24JUN11	16AUG13	16AUG13	0	38	18,490.16							EE//EM =40 ; EA//SB	
542-009	542 - Kirk Key Interlocks -Procurement	65	19AUG13*	19AUG13*	18NOV13	18NOV13	0	38	20,042.31							EE//EM =41=15,000 ;	
542-013	542 - Kirk Key Interlocks -Installation	20	19NOV13	19NOV13	18DEC13	18DEC13	0	38	22,054.48							EE//EM =16 ; EE//SM =40 ; EE//TB =120 ;	
542-017	542 - Kirk Key Interlocks -Test&Commission	20	19DEC13	19DEC13	27JAN14	27JAN14	0	38	26,857.60							EE//EM =40 ; EE//SM =40 ; EE//TB =120 ;	
543-005	543 - Real Time Control -Develop algorithms	100	15AUG13*	15AUG13*	16JAN14	16JAN14	0	45	190,109.57							EE//EM =960 ;	
545-005	545 - Instrumentation -Dsn	480	24JUN11	24JUN11	28MAY13	28MAY13	0	74	56,776.90							EE//EM =200 ; EA//SB	
545-009	545 - Instrumentation -Procure Transducers	120	15JUL13*	15JUL13*	13JAN14	13JAN14	0	43	306,001.25							EE//EM =41=229,000 ;	
545-013	545 - Instrumentation -Installation	50	14JAN14	14JAN14	24MAR14	24MAR14	0	43	198,469.52							EE//EM =104 ; EE//SM =128 ; EE//TB =480 ; 41=80,000 ;	
545-017	545 - Instrumentation -Test&Commission	20	25MAR14	25MAR14	21APR14	21APR14	0	43	68,646.64							EE//EM =128 ; EE//SM =88 ; EE//TB =280 ;	
546-005	546 - Coil Analog Protection Dsn	431	24JUN11	24JUN11	19MAR13	19MAR13	0	51	94,196.36							EE//EM =400 ; EA//SB =14	
546-009	546 - Coil Analog Protection -Procurement	112	20MAR13*	20MAR13*	27AUG13	27AUG13	0	51	10,560.00							EE//EM =41=8,000 ;	
546-013	546 - Coil Analog Protection -Installation	20	28AUG13*	28AUG13*	25SEP13	25SEP13	0	51	58,349.60							EE//EM =80 ; EE//SM =160 ; EE//TB =160 ; 41=00 ;	
546-017	546 - Coil Analog Protection -Test&Commission	65	26SEP13	26SEP13	08JAN14	08JAN14	0	51	29,492.94							EE//EM =80 ; EE//SM =32 ; EE//TB =80 ;	
55 - Systems Design & Integration																	
551-001	551 - Sys Dsgn -design support, analysis (LOE)	1,098*	03MAY10A	03MAY10A	25SEP14	25SEP14	0	1,490	412,014.46	LOE						EE//EM =41=45	
551-001A	551 - FDR Transition Area	58*	01DEC10*	01DEC10*	28FEB11	28FEB11	0	87	0.00							EE//EM =0 ; EA//SB =0 ;	
551-008	551 - FDR PF1a	81*	01DEC10*	01DEC10*	31MAR11	31MAR11	0	64	35,736.00							EE//EM =120 ; EA//SB =120 ;	
551-009	551 - FDR TF/OH	76	15DEC10*	15DEC10*	07APR11	07APR11	0	123	35,736.00							EE//EM =120 ; EA//SB =120 ;	
552-001	552 - System Testing -Prepare Procedures	90	15OCT13	15OCT13	03MAR14	03MAR14	0	13	41,367.60							EE//EM =120 ; EA//SB =120 ;	
552-003	552 - System Testing -Testing	65	04MAR14	04MAR14	03JUN14	03JUN14	0	13	156,125.36							EE//EM =448 ; EE//SM =80 ; EE//TB =536 ;	
FY095000	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		385,771.00	100							
FY105000	FY10 Actual Cost	143	01OCT09A	01OCT09A	30APR10A	30APR10A	0		623,027.00	100							
FY105000A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A	0		94,238.00							81=130378	
Job: 5200 - Digital Coil Protection-HATCHER																	
04	Project Oversight	620*	01NOV10*	01NOV10*	29APR13	29APR13	0	1,841	248,849.99								
20	Systems Code Development	120	01NOV10*	01NOV10*	27APR11	27APR11	0	2,341	27,662.40								
08	Prep System Description	5	08NOV10*	08NOV10*	12NOV10	12NOV10	0	1,916	3,164.20								
11	Digital Conceptual Design	40	15NOV10	15NOV10	19JAN11	19JAN11	0	1,916	22,957.88								
10	Analog Conceptual Design	40	15NOV10	15NOV10	19JAN11	19JAN11	0	1,926	18,672.12								
12	Conceptual Design Analysis & Alg. Prep.	100	15NOV10	15NOV10	13APR11	13APR11	0	2,351	56,616.60								
09	Prep System Requirements	15	15NOV10	15NOV10	07DEC10	07DEC10	0	2,436	12,102.30								
13	CDR Prep. & Review	5	20JAN11	20JAN11	26JAN11	26JAN11	0	1,916	8,457.04								
16	CDR Chit Resolution	5	27JAN11*	27JAN11*	02FEB11	02FEB11	0	1,916	6,915.60								
17	Analog Preliminary Design	45	03FEB11	03FEB11	06APR11	06APR11	0	1,916	39,764.70								
18	Digital Preliminary Design	40	03FEB11	03FEB11	30MAR11	30MAR11	0	1,921	40,178.68								
19	PDR Prep. & Review	15	07APR11	07APR11	27APR11	27APR11	0	1,916	17,849.10								
23	PDR Chit Resolution	10	28APR11	28APR11	11MAY11	11MAY11	0	1,916	5,532.48								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY				
											FY11	FY12	FY13	FY14	FY15
24	CSU FDR Prep	15	12MAY11	12MAY11	02JUN11	02JUN11	0	1,916	6,915.60						
28	Systems Code - A	120	03OCT11*	03OCT11*	28MAR12	28MAR12	0	1,832	54,355.60						
30	DCPS Algorithms	120	03OCT11*	03OCT11*	28MAR12	28MAR12	0	1,832	128,281.60						
25	Analog Design - Pt. I	130	12JAN12*	12JAN12*	13JUL12	13JUL12	0	1,757	49,398.48						
26	Digital Design - Pt. I	130	12JAN12*	12JAN12*	13JUL12	13JUL12	0	1,757	44,816.44						
27	Hardware Interface	120	12JAN12*	12JAN12*	28JUN12	28JUN12	0	1,767	20,646.40						
29	Final Design Review	20	16JUL12	16JUL12	10AUG12	10AUG12	0	1,757	7,583.60						
35	Systems Code - B	240	13AUG12	13AUG12	31JUL13	31JUL13	0	1,757	227,205.52						
5200013M	DCP -Hardware (procure & Install)	200	01MAR13*	01MAR13*	13DEC13	13DEC13	0	1,663	557,676.00						
5200013N	DCP -Cabling and Raceways	100	01OCT13*	01OCT13*	03MAR14	03MAR14	0	1,615	78,300.00						
34	Digital Design - Pt. II	120	01OCT13*	01OCT13*	31MAR14	31MAR14	0	1,515	225,380.42						
32	Real Time Programming	150	01OCT13*	01OCT13*	12MAY14	12MAY14	0	1,565	177,467.20						
33	Analog Design - Pt. II	120	01OCT13*	01OCT13*	31MAR14	31MAR14	0	1,595	234,416.40						
31	External Interface & Response	80	01APR14	01APR14	23JUL14	23JUL14	0	1,515	41,807.40						
36	Systems Integration & Testing	20	24JUL14*	24JUL14*	20AUG14	20AUG14	0	1,515	41,970.40						
5200-010	October	20	01OCT10*	01NOV10*	28OCT10	30NOV10	-21	2,441	4,495.14						
FY105200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		83,402.00						

Job: 5501 - Coil Bus Runs-SMITH

Design

5501-0007	FEMA	5	03MAY10A	03MAY10A	07MAY10A	07MAY10A	0		0.00	100
5501-0009	Eng Dsgn: elect, thermal, EM & stress-OH BUS	4	21MAY10A	21MAY10A	26MAY10A	26MAY10A	0		0.00	100
5501-0010	CAD:Coaxial bus dsgn/bus routing/supports-OH BUS	5	10MAY10A	10MAY10A	14MAY10A	14MAY10A	0		0.00	100
5501-0011	Analysis Mech: thermal, EM & stress-OH BUS	2	17MAY10A	17MAY10A	18MAY10A	18MAY10A	0		0.00	100
5501-0012	Analysis Elec: electrical-OH BUS	2	17MAY10A	17MAY10A	18MAY10A	18MAY10A	0		0.00	100
5501-0014	Eng Dsgn: elect, thermal, EM & stress-PF BUS	4	27MAY10A	27MAY10A	02JUN10A	02JUN10A	0		0.00	100
5501-0015	CAD: bus routing, supports-PF BUS	5	07MAY10A	07MAY10A	13MAY10A	13MAY10A	0		0.00	100
5501-0016	Analysis Mech: thermal, EM & stress-PF BUS	2	14MAY10A	14MAY10A	17MAY10A	17MAY10A	0		0.00	100
5501-0017	Analysis Elec: electrical-PF BUS	2	14MAY10A	14MAY10A	17MAY10A	17MAY10A	0		0.00	100
5501-0019	Eng Dsgn: elect, thermal, EM & stress-TF BUS	4	03JUN10A	03JUN10A	08JUN10A	08JUN10A	0		0.00	100
5501-0020	CAD: bus routing, supports-TF BUS	10	13MAY10A	13MAY10A	26MAY10A	26MAY10A	0		0.00	100
5501-0021	Analysis Mech: thermal, EM & stress-TF BUS	2	27MAY10A	27MAY10A	28MAY10A	28MAY10A	0		0.00	100
5501-0022	Analysis Elec: electrical-TF BUS	2	27MAY10A	27MAY10A	28MAY10A	28MAY10A	0		0.00	100
5501-0024	Eng Dsgn: elect, thermal, EM & stress-CHI BUS	4	09JUN10A	09JUN10A	14JUN10A	14JUN10A	0		0.00	100
5501-0025	CAD:ring bus design/bus routing/supports-CHI BUS	18	26MAY10A	26MAY10A	21JUN10A	21JUN10A	0		0.00	100
5501-0026	Analysis Mech: thermal, EM & stress-CHI BUS	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A	0		0.00	100
5501-0027	Analysis Elec: electrical-CHI BUS	2	22JUN10A	22JUN10A	23JUN10A	23JUN10A	0		0.00	100
5501-0028	Update Cost & Schedule Estimate	3	11JUN10A	11JUN10A	15JUN10A	15JUN10A	0		0.00	100
5501-0029	PDR Prep & PDR	6	16JUN10A	16JUN10A	23JUN10A	23JUN10A	0		0.00	100
5501-0030	Disposition of PDR CHITS	30	24JUN10A	24JUN10A	05AUG10A	05AUG10A	0		0.00	100
5501-0031	Eng Dsn & CAD Model Updates	38	23JUN10A	23JUN10A	25AUG10A	25AUG10A	0		0.00	100
5501-0032	OH Coaxial Bus Prelim Dsgn Updat/Optim Cmpl	8	24JUN10A	24JUN10A	06JUL10A	06JUL10A	0		0.00	100
5501-0033	PF Bus Prelim Dsgn Updat/Optim Cmpl	10	07JUL10A	07JUL10A	20JUL10A	20JUL10A	0		0.00	100
5501-0034	TF Bus Prelim Dsgn Updat/Optim Cmpl	10	21JUL10A	21JUL10A	03AUG10A	03AUG10A	0		0.00	100

woolley= 26 ;

41=420,000 ;

41=18,000 ;

41=40,000 ;

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
5501-0035	CHI Bus Prelim Dsgn Updat/Optim Cmpl	10	04AUG10A	04AUG10A	17AUG10A	17AUG10A	0		0.00	100						
5501-0037	Prep DOE CD-2 (Lehman) Review	5	04AUG10A	04AUG10A	10AUG10A	10AUG10A	0		0.00	100						
5501-0038	DOE CD-2 (Lehman) Review	1	11AUG10A	11AUG10A	11AUG10A	11AUG10A	0		0.00	100						
1305-0160	N/A OH Bus Bar Analysis(xfer f/j. Chrzanowski)	39*	02AUG10A	02AUG10A	30SEP10A	30SEP10A	0		0.00	100	EA/EM =40 ;					
OH Bus																
5501-0042	Final Design	127*	17AUG10A	17AUG10A	22FEB11	22FEB11	0	67	24,990.80	60	EM/EM =162 ;					
5501-0046	Busbar System Design-OH BUS	92*	17AUG10A	17AUG10A	04JAN11	04JAN11	0	4	3,123.43	70	EM/EM =16 ; EE/EM =04 ;					
5501-0047	Update CAD - OH BUS	115*	17AUG10A	17AUG10A	04FEB11	04FEB11	0	4	12,044.11	40	EM/EM =10 ; EA/SB =86 ;					
5501-0049	Analysis/Calc: EM/Stress/Thermal-OH BUS	92*	17AUG10A	17AUG10A	04JAN11	04JAN11	0	17	4,447.43	20	EA/EM =24 ;					
5501-0050	Detail Drawings-OH BUS	97*	07FEB11	04OCT10A	25FEB11	25FEB11	0	4	2,997.84	10	EA/SB =24 ;					
5501-0051	Design Validation-OH BUS	25	05JAN11	05JAN11	08FEB11	08FEB11	0	17	7,855.08		EE/EM =12 ; EA/EM =30 ;					
5501-0051A	Updt Models/Dwgs Ready for Signoff-OH BUS	60	28FEB11	28FEB11	20MAY11	20MAY11	0	4	13,415.25		EA/SB =96 ;EM/EM=9					
PF Bus																
5501-0055	Busbar System Design-PF BUS	92*	17AUG10A	17AUG10A	04JAN11	04JAN11	0	4	3,123.43	70	EM/EM =16 ; EE/EM =04 ;					
5501-0056	Update CAD-PF BUS	115*	17AUG10A	17AUG10A	04FEB11	04FEB11	0	4	12,003.82	70	EM/EM =28 ; EA/SB =63 ;					
5501-0058	Analysis/Calc: EM/Stress/Thermal-PF BUS	92*	17AUG10A	17AUG10A	04JAN11	04JAN11	0	32	4,447.43	30	EA/EM =24 ;					
5501-0059	Detail Drawings-PF BUS	112*	07FEB11	04OCT10A	18MAR11	18MAR11	0	4	11,991.36	20	EA/SB =96 ;					
5501-0060	Design Validation-PF BUS	25	05JAN11	05JAN11	08FEB11	08FEB11	0	32	7,855.08		EE/EM =12 ; EA/EM =30 ;					
5501-0060A	Updt Models/Dwgs Ready for Signoff-PF BUS	45	21MAR11	21MAR11	20MAY11	20MAY11	0	4	15,413.67		EA/SB =93 ;EM/EM=24					
TF Bus																
5501-0063	Busbar System Design-TF BUS	92*	17AUG10A	17AUG10A	04JAN11	04JAN11	0	125	3,123.43	70	EM/EM =16 ; EE/EM =04 ;					
5501-0064	Update CAD-TF BUS	115*	17AUG10A	17AUG10A	04FEB11	04FEB11	0	4	14,392.83	70	EM/EM =34 ; EA/SB =75 ;					
5501-0066	Analysis/Calc: EM/Stress/Thermal-TF BUS	92*	17AUG10A	17AUG10A	04JAN11	04JAN11	0	32	5,929.91	30	EA/EM =32 ;					
5501-0067	Detail Drawings-TF BUS	92*	07FEB11	01NOV10	18MAR11	18MAR11	0	4	6,781.25	20	EA/SB =56 ;					
5501-0068	Design Validation-TF BUS	25	05JAN11	05JAN11	08FEB11	08FEB11	0	32	7,855.08		EE/EM =12 ; EA/EM =30 ;					
5501-0068A	Updt Models/Dwgs Ready for Signoff-TF BUS	45	21MAR11	21MAR11	20MAY11	20MAY11	0	4	12,091.12		EA/SB =74 ;EM/EM=18					
CHI Bus																
5501-0071	Busbar System Design-CHI BUS	92*	17AUG10A	17AUG10A	04JAN11	04JAN11	0	125	3,123.43	70	EM/EM =16 ; EE/EM =04 ;					
5501-0072	Update CAD-CHI BUS	115*	17AUG10A	17AUG10A	04FEB11	04FEB11	0	4	16,840.61	70	EM/EM =38 ; EA/SB =90 ;					
5501-0074	Analysis/Calc: EM/Stress/Thermal-CHI BUS	92*	17AUG10A	17AUG10A	04JAN11	04JAN11	0	42	4,447.43	30	EA/EM =24 ;					
5501-0075	Detail Drawings-CHI BUS	102*	07FEB11	01NOV10	01APR11	01APR11	0	4	13,550.11	20	EA/SB =112 ;					
5501-0076	Design Validation-CHI BU	25	05JAN11	05JAN11	08FEB11	08FEB11	0	42	7,855.08		EE/EM =12 ; EA/EM =30 ;					
5501-0076A	Updt Models/Dwgs Ready for Signoff-CHI BUS	35	04APR11	04APR11	20MAY11	20MAY11	0	4	18,669.62		EA/SB =114 ;EM/EM=28					
5501-0077	Update Cost & Schedule Estimate	5	23MAY11	23MAY11	27MAY11	27MAY11	0	22	1,265.68		EM/EM =08 ;					
5501-0078	FDR Prep	23	23MAY11	23MAY11	23JUN11	23JUN11	0	4	6,328.40		EM/EM =40 ;					
5501-0079	FDR 5500	1	24JUN11	24JUN11	24JUN11*	24JUN11*	0	4	1,265.68		EM/EM =08 ;					
Inner TF Bund:e Design																
1304-0120	N/A Analyze TF Bus Bar (xfer f/j. Chrzanowski)	17	30SEP10A	30SEP10A	30SEP10A	30SEP10A	0		0.00	100	EA/EM =100 ;					
5501-0082	Prep Req & Procurement Package	10	01FEB13*	01FEB13*	14FEB13	14FEB13	0	42	14,171.20			EM/EM =80 ;				
5501-0083	Submit Req to Procurement	1	15FEB13	15FEB13	15FEB13	15FEB13	0	42	0.00							
5501-0084	Procurement Lead Time	30	18FEB13	18FEB13	29MAR13	29MAR13	0	42	0.00							
5501-0085	Award Coil Bus Run	1	01APR13	01APR13	01APR13	01APR13	0	42	0.00							
5501-0086	Copper Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	22,455.56		EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; ;41=15,000 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY					
											FY11	FY12	FY13	FY14	FY15	
5501-0087	Insulation & Protection Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	13,215.56		EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=8,000 ;					
5501-0088	SS Hardware, Fittings, Materials Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	23,775.56		EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=16,000 ;					
5501-0089	G10 FR4 Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	11,895.56		EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=7,000 ;					
5501-0090	Fab & Safety Consumables Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	9,255.56		EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=5,000 ;					
5501-0091	Struc Support Material Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	6,615.56		EM/EM =02 ; EM/SM =08 ; EM/ST =08 ; 41=3,000 ;					
5501-0092	Misc Total	80	02APR13	02APR13	25JUL13	25JUL13	0	42	8,552.04		EM/EM =30 ; EM/SM =12 ; EA/SB =08 ;					
5501-0097	Fab/Assembly	140	26JUL13*	26JUL13*	21FEB14	21FEB14	0	42	41,212.99		EM/EM =210 ; EE/EM =16 ;					
5501-0098	Documentn: Fab/Assy Procedure-OH BUS	5	01OCT13	01OCT13	07OCT13	07OCT13	0	31	19,677.16		EM/EM =30 ; EM/SM =12 ; EA/SB =08 ; 41=4,000 ; 35=4,000 ;					
5501-0099	Fabricatn: pre-installation components-OH BUS	20	08OCT13*	08OCT13*	04NOV13	04NOV13	0	31	38,946.48		EM/EM =12 ; EM/ST =320 ;					
5501-0100	Assembly: pre-installatn components-OH BUD	20	05NOV13*	05NOV13*	04DEC13	04DEC13	0	31	18,374.40		EM/ST =160 ;					
5501-0101	Insulation & Protective Layer-OH BUS	10	19NOV13	19NOV13	04DEC13	04DEC13	0	31	18,374.40		EM/ST =160 ;					
5501-0102	Electrical Testing-OH BUS	5	26NOV13	26NOV13	04DEC13	04DEC13	0	31	5,610.88		EM/EM =08 ; EM/ST =16 ; EE/SB =16 ;					
5501-0105	Documentn: Fab/Assy Procedure-PF BUS	5	01OCT13*	01OCT13*	07OCT13	07OCT13	0	71	7,373.96		EM/EM =24 ; EM/SM =10 ; EA/SB =08 ;					
5501-0106	Fabricatn: pre-installation components-PF BUS	20	05DEC13	05DEC13	13JAN14	13JAN14	0	31	20,572.08		EM/EM =12 ; EM/ST =160 ;					
5501-0109	Documentn: Fab/Assy Procedure-TF BUS	5	08OCT13	08OCT13	14OCT13	14OCT13	0	86	7,373.96		EM/EM =24 ; EM/SM =10 ; EA/SB =08 ;					
5501-0110	Fabricatn: pre-installation components-TF BUS	20	14JAN14*	14JAN14*	10FEB14	10FEB14	0	31	20,572.08		EM/EM =12 ; EM/ST =160 ;					
5501-0113	Documentn: Fab/Assy Procedure-CHI BUS	5	15OCT13	15OCT13	21OCT13	21OCT13	0	101	7,373.96		EM/EM =24 ; EM/SM =10 ; EA/SB =08 ;					
5501-0114	Fabricatn: pre-installation components-OH BUS	20	11FEB14*	11FEB14*	10MAR14	10MAR14	0	31	20,572.08		EM/EM =12 ; EM/ST =160 ;					
5501-0118	Documentation: Installation Procedure-OH BUS	5	22OCT13*	22OCT13*	28OCT13	28OCT13	0	116	4,395.36		EM/EM =24 ;					
5501-0119	Field Fit Up, Fabrication, Installation-OH BUS	65	11MAR14	11MAR14	10JUN14	10JUN14	0	31	23,541.52		EM/SM =20 ; EA/SB =05 ; EE/EM =04 ; EM/ST =160 ;					
5501-0120	Testing-OH BUS	1	11JUN14	11JUN14	11JUN14	11JUN14	0	62	2,611.60		EE/SB =08 ; EM/SM =08 ;					
5501-0080	Procurementsupport	173	01OCT13*	01OCT13*	13JUN14	13JUN14	0	31	41,661.48		EM/EM =210 ; EE/EM =16 ;					
5501-0123	Documentation: Installation Procedure-PF BUS	5	29OCT13*	29OCT13*	04NOV13	04NOV13	0	130	4,395.36		EM/EM =24 ;					
5501-0124	Field Fit Up, Fabrication, Installation-PF BUS	60	18MAR14	18MAR14	10JUN14	10JUN14	0	31	161,077.92		EM/SM =90 ; EA/SB =42 ; EE/EM =04 ; EM/ST =1,200 ;					
5501-0125	Testing-PF BUS	6	11JUN14	11JUN14	18JUN14	18JUN14	0	57	15,669.60		EE/SB =48 ; EM/SM =48 ;					
5501-0129	Documentation: Installation Procedure-TF BUS	5	05NOV13*	05NOV13*	11NOV13	11NOV13	0	130	4,395.36		EM/EM =24 ;					
5501-0130	Field Fit Up, Fabrication, Installation-TF BUS	65	11MAR14	11MAR14	10JUN14	10JUN14	0	31	51,681.52		EM/SM =20 ; EA/SB =09 ; EE/EM =04 ; EM/ST =400 ;					
5501-0131	Testing-TF BUS	2	11JUN14	11JUN14	12JUN14	12JUN14	0	61	7,834.80		EE/SB =24 ; EM/SM =24 ;					
5501-0135	Documentation: Installation Procedure-CHI BUS	5	12NOV13*	12NOV13*	18NOV13	18NOV13	0	130	4,395.36		EM/EM =24 ;					
5501-0136	Field Fit Up, Fabrication, Installation-CHI BUS	65	11MAR14	11MAR14	10JUN14	10JUN14	0	60	85,489.52		EM/SM =40 ; EA/SB =27 ; EE/EM =04 ; EM/ST =640 ;					
5501-0137	Testing-CHI BUS	3	11JUN14	11JUN14	13JUN14	13JUN14	0	60	7,834.80		EE/SB =24 ; EM/SM =24 ;					
FY105501	FY10 Actual Cost	85	01JAN10A	01JAN10A	30APR10A	30APR10A	0		55,211.00	100						
FY105501A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		76,858.00							
Job: 6100 - Control Sys Data Acquisition -SICHTA																
6100-0000	Oversight & Coordination	1,055*	03MAY10A	03MAY10A	25JUL14	25JUL14	0	1,533	28,873.99	LOE						
6100-0026	Update System documents - PDR	27	03MAY10A	03MAY10A	09JUN10A	09JUN10A	0		0.00	100						
6100-0027	PDR Prep	10	10JUN10A	10JUN10A	23JUN10A	23JUN10A	0		0.00	100						
6100-0032	Disposition PDR Chits - FDR	30	24JUN10A	24JUN10A	05AUG10A	05AUG10A	0		0.00	100						
6100-0033	Assess workscope changes	10	07DEC10*	07DEC10*	20DEC10	20DEC10	0	22	4,285.76		EC/EM =32 ;					
6100-0034	Delay design for NSTX run support	1	21DEC10*	01OCT10A	21DEC10	29OCT10A	35		133.93		EC/EM =01 ;					

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15		
7200-02	FY2011 CSU Management	250	01OCT10*	01OCT10A	23SEP11	30SEP11	-5	1,494	222,274.76	LOE		EM//EM =777 ; EE//EM =431 ; 35=5,000 ; 39=10,900					
7200-03	FY2012 CSU Management	245	03OCT11*	03OCT11*	24SEP12	24SEP12	0	1,494	227,382.39			EM//EM =690 ; EE//EM =431 ; 35=5,000 ; 39=10,900					
7200-04	FY2013 CSU Management	245	01OCT12*	01OCT12*	25SEP13	25SEP13	0	1,490	215,496.25			EM//EM =690 ; EE//EM =431 ; 35=5,000 ; 39=10,900					
7200-05	FY2014 CSU Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	222,485.45			EM//EM =690 ; EE//EM =345 ; 35=5,184 ; 39=10900					
FY107200	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A	0		84,961.00	100							
FY107200A	FY10 Actual Cost	130	01APR10A	01APR10A	30SEP10A	30SEP10A	0		137,256.00								
Project Reviews																	
7200-01R	FY2010 CSU Project Reviews	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100		EM//EM =258					
7200-02R	FY2011 CSU Project Reviews	250*	01OCT10*	01OCT10A	23SEP11	30SEP11	-5	1,494	98,248.41	LOE		EM//EM =621					
7200-03R	FY2012 CSU Project Reviews	245	03OCT11*	03OCT11*	24SEP12	24SEP12	0	1,494	107,737.29			EM//EM =621					
7200-04R	FY2013 CSU Project Reviews	245	01OCT12*	01OCT12*	25SEP13	25SEP13	0	1,490	110,003.94			EM//EM =621					
7200-05R	FY2014 CSU Project Reviews	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	113,729.94			EM//EM =621					
Job: 7300 - NB2 Management-STEVENSON																	
Project Management																	
7300-01	FY2010 NB2 Management	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100		EE//EM =372 ; EE//EM =37 ;					
7300-11	FY2011 NB2 Management	250*	01OCT10*	01OCT10A	23SEP11	30SEP11	-5	1,494	113,070.06	LOE		EE//EM =.33fte ; EE//EM =85 ;					
7300-21	FY2012 NB2 Management	245	03OCT11*	03OCT11*	24SEP12	24SEP12	0	1,494	123,991.86			EE//EM =.33fte ; EE//EM =85 ;					
7300-31	FY2013 NB2 Management	245	01OCT12*	01OCT12*	25SEP13	25SEP13	0	1,490	250,286.01			EE//EM =.70fte ; EE//EM =85 ;					
7300-35	FY2014 NB2 Management	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	258,768.09			EE//EM =.70fte ; EE//EM =85 ;					
FY092410	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		63,263.00	100							
FY102410	FY10 Actual Cost	40	01OCT09A	01OCT09A	25NOV09A	25NOV09A	0		12,157.00								
FY107300	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A	0		62,401.00	100							
FY107300A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		62,452.00								
Project Reviews																	
7300-02	FY2010 NB2 RLM's support of reviews	92*	17MAY10A	17MAY10A	06JUL10A	06JUL10A	0		0.00	100		EE//EM =160 ; EM//EM =320 ;					
7300-03	FY2010 NB2 RLM's support of reviews	10	10JAN11*	10JAN11*	21JAN11	21JAN11	0	1,896	78,289.60			EE//EM =160 ; EM//EM =320 ;					
7300-12	FY2011 NB2 RLM's support of reviews	10	01JUN11*	01JUN11*	14JUN11	14JUN11	0	1,805	78,289.60			EE//EM =160 ; EM//EM =320 ;					
7300-13	FY2011 NB2 RLM's support of reviews	10	09JAN12*	09JAN12*	20JAN12	20JAN12	0	1,667	85,851.20			EE//EM =160 ; EM//EM =320 ;					
7300-22	FY2012 NB2 RLM's support of reviews	10	01JUN12*	01JUN12*	14JUN12	14JUN12	0	1,564	85,851.20			EE//EM =160 ; EM//EM =320 ;					
7300-23	FY2012 NB2 RLM's support of reviews	10	15JAN13*	15JAN13*	28JAN13	28JAN13	0	1,648	87,656.00			EE//EM =160 ; EM//EM =320 ;					
7300-32	FY2013 NB2 RLM's support of reviews	10	03JUN13*	03JUN13*	14JUN13	14JUN13	0	1,560	87,656.00			EE//EM =160 ; EM//EM =320 ;					
Job: 7400 - Health Physics Support-STEVENSON																	
740000100	FY2010 NBI Decon HP Technical Support	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100		DP//TB =1,438 ; 41=4,166 ; 43=4,166 ; 31=41,667 ;					
740000110	FY2011 NBI Decon HP Technical Support	250*	04OCT10*	01OCT10A	30SEP11	30SEP11	0	1,735	511,400.00	LOE		DP//TB =2400 ; 41=10,000 ; 43=10,000 ; 31=100,000 ;					
740000115	FY2011 EQ Removal & Relocation HP Technical Supp	165	02APR12*	02APR12*	21NOV12	21NOV12	0	458	368,652.64			DP//TB =2,720 ;					
740000120	FY2012 NBI Decon HP Technical Support	249	03OCT11*	03OCT11*	28SEP12	28SEP12	0	1,735	551,512.00			DP//TB =2,400 ; 41=10,000 ; 43=10,000 ; 31=100,000 ;					
740000125	FY2013 NBI Decon HP Technical Support	248	01OCT12	01OCT12	30SEP13	30SEP13	0	1,735	419,184.00			DP//TB =2,200 ; 41=5,000 ; 43=5,000 ; 31=50,000 ;					
740000130	FY2014 NBI Decon HP Technical Support	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	269,865.14			DP//TB =1,726 ; 41=5,000 ; 43=5,000 ; 31=5,000 ;					
FY107400	FY10 Actual Cost	260	01OCT09A	01OCT09A	30SEP10A	30SEP10A	0		386,510.00	100							

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY11	FY12	FY13	FY14	FY15
JOB: 7700 - NSTX-U HP Allocations-STRYKOWSKY															
1180*NUL	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A	0		452,420.00	100	54X =452,420 ;				
CS9500070	NSTX Upgrade HP Allocations FY2010	106*	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100	54X =117682 ;				
CS9500080	NSTX Upgrade HP Allocations FY11	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	0	1,487	353,100.00	LOE		54X =214000\			
CS9500090	NSTX Upgrade HP Allocations FY12	249	03OCT11*	03OCT11*	28SEP12	28SEP12	0	1,487	535,040.00			54X =304000			
CS9500100	NSTX Upgrade HP Allocations FY13	248	01OCT12*	01OCT12*	30SEP13	30SEP13	0	1,487	481,510.00			54X =269000			
CS9500110	NSTX Upgrade HP Allocations FY14	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	414,000.00			54X =225000			
FY09NNUL8	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		367,345.00	100					
Job: 7710 - Upgrade Allocations-STRYKOWSKY															
1170*NUL	FY10 Actual Cost	143	01OCT09A	01OCT09A	30SEP10A	30SEP10A	0		170,667.00	100	54X =170667 ;				
7710-10	NSTX Upgrade Direct Allocations FY2010	106	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		0.00	100	54X =96059 ;				
7710-11	NSTX Upgrade Direct Allocations FY11	250*	01OCT10*	01OCT10A	30SEP11	30SEP11	0	1,487	29,700.00	LOE		54X =18000 ;			
7710-12	NSTX Upgrade Direct Allocations FY12	249	03OCT11*	03OCT11*	28SEP12	28SEP12	0	1,487	3,520.00			54X =2000 ;			
7710-13	NSTX Upgrade Direct Allocations FY13	248	01OCT12*	01OCT12*	30SEP13	30SEP13	0	1,487	3,580.00			54X =2000 ;			
7710-14	NSTX Upgrade Direct Allocations FY14	248	01OCT13*	01OCT13*	30SEP14	30SEP14	0	1,487	1,840.00			54X =1000 ;			
9417*NUL	FY10 Actual Cost	110	01JUN10A	01JUN10A	30SEP10A	30SEP10A	0		12,934.00		54X=12934				
FY09NNUL	FY09 Actual Cost	22*	01JAN09A	01JAN09A	30SEP09A	30SEP09A	0		158,969.00	100					
Job; 8200 - CS & Coil Sprt Struc Install- VIOLA															
Close Vessel and Pumpdown															
FY108200	FY10 Actual Cost	123	02NOV09A	02NOV09A	30APR10A	30APR10A	0		19,070.00						
FY108200A	FY10 Actual Cost	110	03MAY10A	03MAY10A	30SEP10A	30SEP10A	0		6,473.00		51=19619				
Management/Oversight/supervision															
8200-0002	Designs complete	0	03APR12*	03APR12*			0	139	0.00			▼			
8200-0003	Sequence complete	0	03APR12*	03APR12*			0	139	0.00			▼			
8200-0004	Parts arrived	0	03APR12*	03APR12*			0	139	0.00			▼			
8200-0005	Start procedural development	0	03APR12*	03APR12*			0	139	0.00			▼			
8200-0006	Mobilize crews	0	03APR12*	03APR12*			0	139	0.00			▼			
8200-0010	Shop Fabrication oversight 20% FTE for duration	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	152,188.51						0.2 fte
8200-0011	Shop Fabrication support 1.5 FTE for duration	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	719,690.36						1.5 fte
8200-0012	Assembly oversight prior to outage (fy10 & fy11)	377*	03MAY10A	03MAY10A	31OCT11	31OCT11	0	218	63,100.49	LOE		408hrs Viola			
8200-0012A	Assembly oversight 1 FTE Engr	125	05APR12*	05APR12*	01OCT12	01OCT12	0	1,487	121,864.27			.8 FTE Viola			
8200-0012B	Assembly oversight 0.6 FTE Engr	312	02OCT12*	02OCT12*	13JAN14	13JAN14	0	1,487	307,786.97			.8 fte Viola			
8200-0012C	Assembly oversight 1 FTE Engr	183	14JAN14*	14JAN14*	30SEP14	30SEP14	0	1,487	208,719.16			.8 fte Viola			
8200-0013	Assembly oversight 1 FTE SM	620	05APR12*	05APR12*	30SEP14	30SEP14	0	1,487	762,210.43			1.0 fte EM/SM			
8200-0014	Title 3 Support Engineer	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	186,516.75			EM/EM =.25fte ;			
8200-0015	Title 3 Support Drafting	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	73,180.71			EA/SB =518 ;			
8200-0016	OT for efficiency (2 crews 1 weekend a month)	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	264,376.43						31=\$12x2x2
8200-0017	MISC M&S \$250 per day* 2 crews	622	03APR12*	03APR12*	30SEP14	30SEP14	0	1,487	212,141.48			41=160000 ;			
8200-0020	PREPARE WORK PLANNING FORM	3	01NOV11*	01NOV11*	03NOV11	03NOV11	0	218	4,163.76			EM/EM =24 ;			
8200-0021	Fab/AssyInstallation Procedure	20	04NOV11*	04NOV11*	05DEC11	05DEC11	0	218	27,758.40			EM/EM =160 ;			
Bay by Bay Diagnostic Catalogue															
8200-0026	Perform bay by bay catalogue and label Elect	12	03OCT11*	03OCT11*	18OCT11	18OCT11	0	193	16,567.68			EM/SM =96 ;			

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	FY						
											FY11	FY12	FY13	FY14	FY15		
8200-0027	Perform bay by bay catalogue and label Mech	12	19OCT11*	19OCT11*	03NOV11	03NOV11	0	193	16,567.68								
8200-0028	Write removal procedures	60	04NOV11	04NOV11	07FEB12	07FEB12	0	193	82,838.40								
8200-0028A	RF Line develop as-built assy drawing	20	03OCT11*	03OCT11*	28OCT11	28OCT11	0	298	16,437.60								
8200-0029	Remove RF pipes	20	03APR12*	03APR12*	30APR12	30APR12	0	195	154,331.60								
8200-0030	Write Electrical Removal & Installation Procedur	20	03OCT11*	03OCT11*	28OCT11	28OCT11	0	242	13,806.40								
8200-0031	Safe, remove and store Elect	15	03APR12*	03APR12*	23APR12	23APR12	0	139	32,637.00								
8200-0032	Upper Tray remove and store Elect	20	24APR12	24APR12	21MAY12	21MAY12	0	180	43,516.00								
8200-0033	Remove and store Mech	10	22MAY12*	22MAY12*	05JUN12	05JUN12	0	119	43,516.00								
8200-0034	Remove and store Upper and lower port eqpt	18	06JUN12*	06JUN12*	29JUN12	29JUN12	0	122	39,164.40								
8200-0035	Remove section of platform	10	01AUG12*	01AUG12*	14AUG12	14AUG12	0	101	43,516.00								
8200-0036	Fiducialize Coil and Vacuum vessel	20	15AUG12	15AUG12	12SEP12	12SEP12	0	101	45,164.80								
Equipment Removals																	
8200-0039	Remove insulation	15	02JUL12*	02JUL12*	23JUL12	23JUL12	0	101	32,637.00								
8200-0040	Gas Injection System	15	24JUL12	24JUL12	13AUG12	13AUG12	0	101	32,637.00								
8200-0041	Disconnect trim coil and lock mode coil	2	14AUG12	14AUG12	15AUG12	15AUG12	0	101	4,351.60								
8200-0042	Remove trim coil and lock mode coil	4	16AUG12	16AUG12	21AUG12	21AUG12	0	101	8,703.20								
8200-0043	Clear platform and area to remove bad TF	10	22AUG12	22AUG12	05SEP12	05SEP12	0	101	21,758.00								
8200-0044	Remove bad TF	5	06SEP12	06SEP12	12SEP12	12SEP12	0	101	21,758.00								
LLD Removal/Original Outer Divertor re-install																	
8200-1001	Remove LLD	20	13SEP12	13SEP12	10OCT12	10OCT12	0	433	43,882.40								
8200-1004	Machine original OD tiles for Diag sensors	10	01OCT13*	01OCT13*	14OCT13	14OCT13	0	193	9,187.20								
8200-1008	Re-install Diag sensors into original OD tiles	10	15OCT13*	15OCT13*	28OCT13	28OCT13	0	193	22,968.00								
8200-1012	Install original OD tiles and supports	20	11APR14*	10APR14*	08MAY14	07MAY14	1	86	45,936.00								
Upper Half																	
8200-0048	Umbrella Lid Remove existing	1	13SEP12	13SEP12	13SEP12	13SEP12	0	101	6,931.60								
8200-0048A	Umbrella lid weld new rim	12	27SEP13	27SEP13	14OCT13	14OCT13	0	90	30,101.20								
8200-0049	VV Umbrella legs Weld reinforcement plates	24	15OCT13	15OCT13	15NOV13	15NOV13	0	90	55,123.20								
8200-0050	VV umbrella legs Remove existing Hardware	5	18NOV13	18NOV13	22NOV13	22NOV13	0	90	11,484.00								
8200-0051	Umbrella legs add reinforcement plate	5	25NOV13	25NOV13	03DEC13	03DEC13	0	90	11,484.00								
8200-0052	TF Install Datums & Remove turnbuckles	8	25MAR13	25MAR13	03APR13	03APR13	0	85	17,772.80								
8200-0052A	TF U&L Remove Existing clevis bolts	12	04APR13	04APR13	19APR13	19APR13	0	85	26,659.20								
8200-0052B	TF reinforce clevis	12	22APR13	22APR13	07MAY13	07MAY13	0	85	26,659.20								
8200-0052C	TF Install new TF wet layup & clamp	9	08MAY13	08MAY13	20MAY13	20MAY13	0	85	19,994.40								
8200-0053	TF Install new clamps	12	21MAY13	21MAY13	06JUN13	06JUN13	0	85	26,659.20								
8200-0054	TF Install Vessel Ties & Align	18	07JUN13	07JUN13	02JUL13	02JUL13	0	85	39,988.80								
8200-0055	TF Install new hoop brace	12	03JUL13	03JUL13	22JUL13	22JUL13	0	85	26,659.20								
8200-0056	TF Align and match drill new hoop brace	18	23JUL13	23JUL13	15AUG13	15AUG13	0	85	39,988.80								
8200-0057	TF Install and torque all bolts	8	16AUG13	16AUG13	27AUG13	27AUG13	0	85	17,772.80								
8200-0058	Design & build lifting method	16	03OCT11*	03OCT11*	24OCT11	24OCT11	0	323	111,948.96								
8200-0059	PF2 Mark Location: lift and support	1	14SEP12	14SEP12	14SEP12	14SEP12	0	101	2,175.80								
8200-0060	PF2 Replace existing hardware (bolted)	1	26NOV12	26NOV12	26NOV12	26NOV12	0	53	2,221.60								
8200-0061	PF2 Install New plates (bolted)	4	27NOV12	27NOV12	30NOV12	30NOV12	0	53	8,886.40								
8200-0062	PF2 weld reinforcement	8	03DEC12	03DEC12	12DEC12	12DEC12	0	53	17,772.80								
8200-0063	PF2 Reinstall & Realign	2	13DEC12	13DEC12	14DEC12	14DEC12	0	53	4,443.20								

Activity ID	Activity Description	Work Days	BASELINE START	Forecast Start	BASELINE FINISH	Forecast Finish	Schedule Slip(days)	Total Float	Budgeted Cost	% Cmpl	Fiscal Year					
											FY11	FY12	FY13	FY14	FY15	
Close Vessel and Pumpdown																
8250-145	Clean, Photo, Close VV	9	05JUN14	04JUN14	17JUN14	16JUN14	1	13	79,264.80			EM//ST =576 ; EM//SM =72 ;				
8250-149	Pumpdown	1	18JUN14	17JUN14	18JUN14	17JUN14	1	13	6,969.76			EM//ST =48 ; EM//SM =08 ;				
8250-153	Leak check	12	19JUN14	18JUN14	07JUL14	03JUL14	1	13	83,637.12			EM//ST =576 ; EM//SM =96 ;				
8250-157	Setup for Bakeout	5	08JUL14	07JUL14	14JUL14	11JUL14	1	13	34,848.80			EM//ST =240 ; EM//SM =40 ;				
8250-161	Rayleigh/Raman Scattering	5	15JUL14	14JUL14	21JUL14	18JUL14	1	13	16,474.40			EM//ST =80 ; EM//SM =40 ;				
8250-165	Bakeout	16	22JUL14	21JUL14	12AUG14	11AUG14	1	13	140,915.20			EM//ST =1,024 ; EM//SM =128 ;				
8250-169	Recover from bakeout & scrub	7	13AUG14	12AUG14	21AUG14	20AUG14	1	13	48,788.32			EM//ST =336 ; EM//SM =56 ;				
8250-173	Ready for ISTP	0			25AUG14	22AUG14	1	11	0.00			EM//ST =00 ;				
Job: 7900 - Integrated System Test-GENTILE																
Integrated System Testing (WBS 1.7 / Job 7900)																
7900-110	Prepare NBI2 & CS ISTP Test Procedures	65	02OCT13*	02OCT13*	14JAN14	14JAN14	0	127	21,976.80			EM//EM =120 ;				
7900-120	Conduct ACC Review of Upgrades	40	15JAN14	15JAN14	11MAR14	11MAR14	0	127	30,661.60			EM//EM =80 ; EE//EM =80 ;				
7900-140	Perform ISTP	15	04SEP14	04SEP14	24SEP14	24SEP14	0	4	14,651.20			EM//EM =80 ;				
7900-150	Participate in cost and schedule reviews	911*	01OCT10*	01OCT10A	03SEP14	02JUN14	65	84	6,881.11	LOE		EM//EM =4				
7900-999	NSTX RESUME OPERATIONS	0			24SEP14	24SEP14	0	4	0.00			EM//EM =00 ;				
FY107900	FY10 Actual Cost	40	02NOV09A	02NOV09A	23DEC09A	23DEC09A	0		3,956.00	100						
Row	Group Name															
1	total										8727493	11965826	20731637	22447241		
											FY11	FY12	FY13	FY14	FY15	