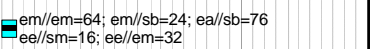
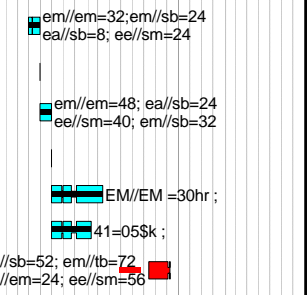
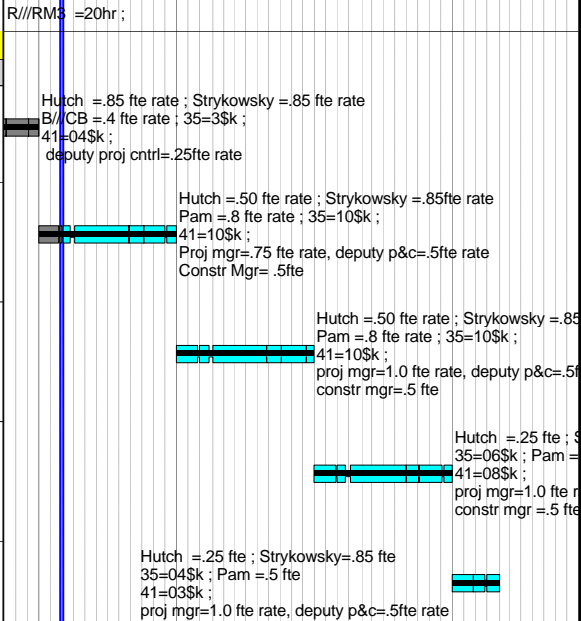


Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Year						
												FY08	FY09	FY10	FY11			
<b>Anderson</b>																		
<b>Job: 8101 - Project Management &amp; Control-ANDERSON</b>																		
<b>FY07 Rebaseline Exercise</b>																		
ECP53RBX16		FY07 Rebaseline exercise	0*		01MAY07A	29JUN07A	31MAY07			LOE	4,435.40	4,435.40						
810.005		Project Management Office PPPL FY07 (LOE)	106*		01MAY07A	28SEP07A	28SEP07			LOE	273,667.61	273,667.61						
810.900		Project Management Office PPPL FY08 (LOE)	250*		01OCT07A	30SEP08	30SEP08	999		LOE	177,877.67	1,034,172.58						
810.901		Project Management Office PPPL FY09 (SA LOE)	249*		01OCT08*	30SEP09	30SEP09	423		LOE	0.00	1,157,648.04						
810.909		Project Management Office PPPL FY10 (LOE)	248		01OCT09	30SEP10	30SEP10	423		LOE	0.00	1,074,462.05						
810.910		Project Management Office PPPL FY11 (LOE)	79*		01OCT10	31JAN11	31JAN11	423		LOE	0.00	299,398.44						
<b>Blanchard</b>																		
<b>Job: 2101 - Fueling Systems-BLANCHARD</b>																		
211-101		Preliminary Design	20		01SEP09*	29SEP09	29SEP09	55			0.00	12,552.88						
211-105		Gas Fueling - PDR	1		30SEP09	30SEP09	30SEP09	55			0.00	0.00						
211-109		Final Design	20		01OCT09	28OCT09	28OCT09	55			0.00	21,133.36						
211-113		Gas Fueling - FDR	1		29OCT09	29OCT09	29OCT09	55			0.00	0.00						
211-117		Title III	85		30OCT09	11MAR10	11MAR10	644		LOE	0.00	2,738.08						
211-121		Procure Material and Supplies	65		30OCT09	11FEB10	11FEB10	55			0.00	7,160.00						
211-125		Fabricate/Install/Test	40		14JUL10	08SEP10	23JUN10	-51			0.00	24,898.28						
<b>Job: 2201 - Vacuum Pumping Systems-BLANCHARD</b>																		
220-101		Preliminary Design	30		02JAN09*	12FEB09	12FEB09	190			0.00	30,783.52						



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY			
												FY08	FY09	FY10	FY11
220-105		Torus Vacuum Pumping - PDR	1	R	13FEB09	13FEB09	13FEB09	190		0.00	0.00				
220-109		Final Design	35		16FEB09	03APR09	03APR09	190		0.00	39,214.80				
220-113		Torus Vacuum Pumping - FDR	1	R	06APR09	06APR09	06APR09	190		0.00	0.00				
220-117		Procure/Install AC pwr & Instrumentation	95		01DEC09*	22APR10	22APR10	25		0.00	53,724.64				
220-133		Procure/Install VPS mechanical	115		30OCT09	22APR10	22APR10	25		0.00	45,270.28				
220-137		Test	20		23APR10*	20MAY10	20MAY10	25		0.00	3,002.12				
<b>Brooks</b>															
<b>Job: 8204 - Systems Analysis-BROOKS</b>															
8204FY07		Systems Analysis FY07 Analysis for	106*		01MAY07A	28SEP07A	28SEP07		LOE	55,753.60	55,753.60				
8204FY08		Systems Analysis, studies and tech assurance	932*		01MAY07A	31JAN11	31JAN11	423	LOE	175,718.78	1,098,242.39				
<b>Brown</b>															
<b>Job: 1803/1805- FPA Tooling/Constr-BROWNDUDEK</b>															
<b>Station 2-Modular Coil Sub- Assembly</b>															
1803-2.1		Assembly sequence plan drafted	28		01MAY07A	08JUN07A	08JUN07		100	0.00	0.00				
1803-2.2		Procure 2 20degree wedge fixt (for total of 6)	90		03DEC07*	15APR08	18JAN08	8		0.00	0.00				
<b>Station 3-Modular Coil to VVSA Assembly</b>															
1803-3.2		Finalize drawings for internal review and	3		25JUN07A	27JUN07A	27JUN07		100	0.00	0.00				
1803-3.3		Analyze single point lift	10*		28JUN07A	12JUL07A	12JUL07		100	9,756.88	9,756.88				
1803-3.4	3	Stage 3 support FDR	3*		02JUL07A	17JUL07A	13JUL07		100	0.00	0.00				
1803-3.5		Flange bolt/VV support access platform	8		02JUL07A	12JUL07A	12JUL07		100	13,495.20	13,495.20				
1803-3.6		Revise drawings per FDR input & release for	111*		02JUL07A	07DEC07	17JUL07	46	95	5,275.08	5,552.72				
1803-3.7		Transportation study (move between test	2		10DEC07	11DEC07	19JUL07	101		0.00	4,796.40				
1803-3.8		Generate laser trace drawing for each screen	20		03MAR08*	28MAR08	10AUG07	30		0.00	9,592.80				
1803-3.9		Assembly sequence plan and Installation	18		01JUN07A	26JUN07A	26JUN07		100	6,969.20	6,969.20				
1803-3.10		VV/MC clearance report (for VVSA1, 2 and 3)	0*		27JUL07A	26JUL07A	26JUL07		100	12,544.56	12,544.56				
1803-3.11		Deliver Support Cart (PE 007703)	38*		15OCT07A		19NOV07			0.00	21,385.80				
1803-3.12		Deliver Lift Fixture	30		14DEC07*	04FEB08		42		0.00	39,946.32				
<b>Station 5-Final Field Period Assembly</b>															
1803-5.1		Complete FP support models	146*		01JUN07A	07JAN08	10OCT07	64	75	20,696.84	27,595.79				
1803-5.5		Design followup & prelim analysis	19*		03DEC07*	07JAN08	28AUG07	63		0.00	11,145.60				
1803-5.2		Complete platform models	10		13DEC07	04JAN08	31OCT07	65		0.00	9,592.80				
1803-5.3		PDR	0			08JAN08*	07NOV07	63		0.00	0.00				
R1802-503		Sequence plan	20		01MAY07A	30MAY07A	30MAY07		100	0.00	0.00				
1803-5.4		Structural Analysis	30*		09JAN08*	19FEB08	21NOV07	63		0.00	11,145.60				

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
1803-5.6	3	Station 5 FDR	0			19FEB08	21NOV07	63		0.00	0.00					
1803-5.7		Complete dwg package and release for Fa	20		20FEB08	18MAR08	21DEC07	63		0.00	14,389.20					
1803-5.8		Complete models and dwgs for test cell	30		19MAR08	29APR08	14JAN08	78		0.00	19,180.80					
1803-5.9		Procure materials and fixture (2 stations)	65		19MAR08	18JUN08	01APR08	63		0.00	94,071.36					
<b>6.00-Final Machine Assembly</b>																
1803-6.1		Complete Stage 6 support models	50		03DEC07*	19FEB08	19FEB08	69		0.00	28,778.40					
1803-6.2		Complete platform models	30		20FEB08	01APR08	01APR08	69		0.00	9,592.80					
1803-6.3		Structural Analysis	50		03DEC07*	19FEB08	22JAN08	99		0.00	22,291.20					
1803-6.4		PDR	0	R		01APR08	01APR08	69		0.00	0.00					
1803-6.5		Complete drawing package	40		02APR08	28MAY08	28MAY08	69		0.00	19,185.60					
1803-6.6	3	Station 6 FDR	0	R		04JUN08	04JUN08	69		0.00	0.00					
1803-6.7		Revise drawings per FDR input and release	5		05JUN08	11JUN08	11JUN08	69		0.00	0.00					
1803-6.9		Design followup and prelim analysis	82		03DEC07*	03APR08	03APR08	112		0.00	22,291.20					
1803-6.8		Procure materials and fixture	65		02SEP08*	03DEC08	03DEC08	13		0.00	111,484.70					
<b>Job: 8203 - Design Integration-BROWN</b>																
8203FY07		Design Integration ,& metro support	933*		01MAY07A	01FEB11	01FEB11	422	LOE	156,902.75	980,642.22					
8203FY08		CAD Support (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422	LOE	68,315.96	426,974.76					
<b>Chrzanowski</b>																
<b>Job: 1408 - MC Winding Supplies-CHRZANOWSKI</b>																
1408-1		Procure Batt insulation	0*		01JUN07A	29JUN07A	31MAY07	100		10,208.00	10,208.00					
1408-2		Epoxy (existing order)	187*		23MAY07A	25FEB08	25FEB08	112	LOE	41,356.70	58,166.95					
1408-3		Misc and safety supplies (\$7k/mo.)	188*		23MAY07A	26FEB08	26FEB08	170	LOE	57,577.30	81,438.89					
1408-4		Procure & Deliver Thermocouples PE007557	65*		01AUG07A	17OCT07A	11SEP07	100		66,745.31	66,745.31					
1408-4.0		Procure & Deliver Strain Gages	1		14JAN08*	14JAN08		68		0.00	0.00					
1408-4.1		Issue req for Strain Gages	65		15JAN08*	14APR08	11MAR08	68		0.00	49,704.00					
1408-5		Epoxy/glass for mold shell	164*		23MAY07A	23JAN08	23JAN08	92	LOE	13,605.10	16,775.71					
1408-6		VPI clean manifold contract	210*		23MAY07A	27MAR08	27MAR08	115	LOE	8,192.83	12,942.86					
1408-7		Misc tech shop support	250*		23MAY07A	22MAY08	22MAY08	108	LOE	26,667.89	50,127.62					
1408-8		Cutting hardware for flange bolts	250*		23MAY07A	22MAY08	22MAY08	1,089	LOE	2,069.18	3,889.44					
<b>Job: 1451 - Mod Coil Winding-CHRZANOWSKI</b>																
<b>Station 1a/4 Casting Prep</b>																
P1-061		Receive A5, Prep& Instl Cladding	51*	2*	19APR07A	22MAY07A	22MAY07	100		47,982.05	47,982.05					
P2-031		Receive C6, Prep& Instl Cladding	44	1.5	02JUL07A	24SEP07A	26FEB08	100		47,906.90	47,906.90					
P3-061		Receive B5, Prep& Instl Cladding	40	1.5	25JUN07A	10SEP07A	21AUG07	100		47,906.90	47,906.90					
P1-151		Receive A6, Prep& Instl Cladding	68*	1.5	01NOV07A	15FEB08	25OCT07	8	15	7,660.49	51,069.88					

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY							
												FY08	FY09	FY10	FY11				
P3-151		Receive B6, Prep& Instl Cladding	62*	1.5	01SEP07A	30NOV07A	03APR08		100	50,100.58	50,100.58								
<b>Station 2-Winding, Instl Chill Plates,Tubing,Bag</b>																			
P2-161		Wind coil B4	54*	2	16APR07A	12JUN07A	12JUN07		100	124,549.74	124,549.74								
P2-170		Instl Chill Plates,Tubing,Bag B4	31*	1	13JUN07A	26JUL07A	13JUL07		100	61,861.52	61,861.52								
P3-071		Wind coil B5	70*	1	11SEP07A	19DEC07	10DEC07		82	85	111,459.46	131,128.78							
P3-080		Instl Chill Plates,Tubing,Bag B5	43	1	20DEC07	27FEB08	18JAN08		82		0.00	65,946.16							
P3-161		Wind coil B6	68*	1	01NOV07A	15FEB08	28MAY08		75	15	19,916.03	132,773.54							
P3-170		Instl Chill Plates,Tubing,Bag B6	43	1	18FEB08	16APR08	27JUN08		75		0.00	65,946.16							
<b>Station 3-Winding, Instl Chill Plates,Tubing,Bag</b>																			
P2-080		Instl Chill Plates,Tubing,Bag B3	64*	2	01APR07A	09MAY07A	09MAY07		100		61,861.52	61,861.52							
P2-131		Wind coil A5	53*	1	23MAY07A	31JUL07A	07AUG07		100		124,549.74	124,549.74							
P2-140		Instl Chl Plates,Tubing, Bag A5	26	1	30JUL07A	06SEP07A	09OCT07		100		61,861.52	61,861.52							
P2-041		Wind coil C6	58*	1	24SEP07A	14DEC07	18APR08		9	88	116,212.73	132,059.92							
P2-050		Instl Chl Plates,Tubing, Bag C6	43	1	17DEC07	22FEB08	20MAY08		74		0.00	65,946.16							
P1-161		Wind coil A6	72	1	18FEB08	28MAR08	20DEC07		8		0.00	132,773.54							
P1-170		Instl Chill Plates,Tubing,Bag A6	43	1	31MAR08	29MAY08	30JAN08		8		0.00	65,946.16							
<b>Station 5-VPI</b>																			
P2-081V		VPI (Station 5) B3	11	2	10MAY07A	24MAY07A	24MAY07		100		44,840.62	44,840.62							
P3-081V		VPI (Station 5) B4	21	2	02JUL07A	31JUL07A	30JUL07		100		44,840.62	44,840.62							
P1-081V		VPI (Station 5) A5	11	2	07SEP07A	21SEP07A	24OCT07		100		44,840.62	44,840.62							
P2-051V		VPI (Station 5) C6	11	2	25FEB08*	10MAR08	05JUN08		74		0.00	47,801.36							
P2-171V		VPI (Station 5) B5	13	2	11MAR08*	27MAR08	04FEB08		74		0.00	47,801.36							
P1-171V		VPI (Station 5) A6	11	2	30MAY08	13JUN08	15FEB08		8		0.00	47,801.36							
P3-171V		VPI (Station 5) B6	11	2	16JUN08	30JUN08	15JUL08		34		0.00	47,801.36							
P3-171VM	2	COMPLETE VPI OF 18th MOD COIL	0	2		30JUN08	15JUL08		34		0.00	0.00							
<b>Station 1 Post VPI</b>																			
P3-141C		Final Clamps & Warm Test (Station1) A4	18*	1	25JUN07A	19JUL07A	26JUL07		100		24,415.54	24,415.54							
P2-081C		Final Clamps & Warm Test (Station1) B3	12*	1		16AUG07A	16AUG07		100		24,415.54	24,415.54							
P3-081C		Final Clamps & Warm Test (Station1) B4	62*	1	04AUG07A	03OCT07A	07SEP07		100		24,530.69	24,530.69							
P1-081C		Final Clamps & Warm Test (Station1) A5	33*	1	15OCT07A	30NOV07A	22NOV07		100		26,027.60	26,027.60							
P2-051C		Final Clamps & Warm Test (Station1) C6	15	1	11MAR08	31MAR08	26JUN08		112		0.00	26,027.60							
P3-171C		Final Clamps & Warm Test (Station1) B5	15	1	28MAR08	17APR08	25FEB08		74		0.00	26,027.60							
P1-171C		Final Clamps & Warm Test (Station1) A6	15	1	16JUN08	07JUL08	07MAR08		8		0.00	26,027.60							

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
P2-171C		Final Clamps & Warm Test (Station1) B6	15	1	01JUL08	22JUL08	05AUG08	34		0.00	26,027.60					EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;
<b>LOE Oversight &amp; Supervision</b>																
145XSPRV-1		Winding Engineering oversight and	298*		01MAY07A	31OCT07A	09JUL08		LOE	223,362.54	223,362.54					Chrzanowski=120hrs/mo.;Meighan=120 hrs/mo.
145XSPRV-2		Winding Engineering oversight and	250*		01MAY07A	30APR08	30APR08	1,105	LOE	90,551.40	151,931.88					Raftopolous=70hrs/mo.
145XSPRV-3		Winding Engineering oversight and	337*		01MAY07A	03SEP08	03SEP08	1,018	LOE	78,045.05	176,572.52					Languish=70 hrs/mo.
145XSPRV-A		Winding Engineering oversight and	169*		01NOV07A	09JUL08		1,057	LOE	36,384.12	308,339.97					Chrzanowski=120hrs/mo.;Meighan=120 hrs/mo.
<b>Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI</b>																
<b>Punchlist Tech shop/RESA</b>																
PLTS-B2		Grinding -B2	13*	1	18JUN07A	22JUN07A	19JUL07		100	15,706.35	15,706.35					
PLTS-A2		Grinding -A2	126*	1	25JUN07A	21DEC07	10JUL07	-36	54	2,039.31	3,776.50					EM/TB =49hr ;
PLTS-B1		Grinding -B1	42*	1	04SEP07A	05OCT07A	17JUL07		100	3,732.98	3,732.98					EM/TB =49hr ;
PLTS-A1		Grinding -A1	18	1		31AUG07A	12SEP07		100	6,688.35	6,688.35					EM/TB =89hr ;
PLTS-C1		Grinding & Drill Holes -C1	54*	1	14SEP07A	30NOV07A	10OCT07		100	18,983.91	18,983.91					EM/TB =240hr ;
PLTS-C2		Grinding & Drill Holes -C2	106*	1	02JUL07A	30NOV07A	07NOV07		100	18,518.90	18,518.90					EM/TB =240hr ;
PLTS-C3		Grinding & Drill Holes -C3	20	1	01OCT07A	08JAN08	07DEC07	78	52	9,997.73	19,226.40					EM/TB =240hr ;
PLTS-C4		Grinding & Drill Holes -C4	20	1	01OCT07A	05FEB08	15JAN08	83	1	192.26	19,226.40					EM/TB =240hr ;
PLTS-A3		Grinding -A3	43*	1	01OCT07A	30NOV07A	22JAN08		100	3,925.39	3,925.39					EM/TB =49hr ;
PLTS-B3		Grinding -B3	43*	1	01OCT07A	30NOV07A	29JAN08		100	3,925.39	3,925.39					EM/TB =49hr ;
PLTS-A4		Grinding -A4	58*	1	01OCT07A	21DEC07	05FEB08	80	96	3,768.37	3,925.39					EM/TB =49hr ;
PLTS-B4		Grinding -B4	5	1	01OCT07A	08FEB08	12FEB08	83	50	1,962.70	3,925.39					EM/TB =49hr ;
PLTS-C5		Grinding & Drill Holes -C5	20	1	01OCT07A	07MAR08	11MAR08	83	1	192.26	19,226.40					EM/TB =240hr ;
PLTS-A5		Grinding -A5	5	1	01OCT07A	14MAR08	18MAR08	83	7	274.78	3,925.39					EM/TB =49hr ;
PLTS-B5		Grinding -B5	5	1	18APR08	24APR08	25MAR08	74		0.00	3,925.39					EM/TB =49hr ;
PLTS-A6		Grinding -A6	5	1	01OCT07A	09JUL08	01APR08	8	97	3,807.63	3,925.39					EM/TB =49hr ;
PLTS-B6		Grinding -B6	5	1	23JUL08	29JUL08	12AUG08	34		0.00	3,925.39					EM/TB =49hr ;
PLTS-C6		Grinding & Drill Holes -C6	20	1	01APR08	28APR08	10SEP08	112		0.00	19,226.40					EM/TB =240hr ;
<b>Punchlist- Coil Technicians</b>																
PLCT-A1		Insul,measure,TC, other punch list-A1	9	2	01AUG07A	30NOV07A	10OCT07		100	19,803.09	19,803.09					EM/TB =255hr ;
PLCT-A2		Insul,measure,TC, other punch list-A2	7	2	01AUG07A	30NOV07A	18SEP07		100	15,997.79	15,997.79					EM/TB =206hr ;
PLCT-B1		Insul,measure,TC, other punch list-B1	7	2	01AUG07A	30NOV07A	27SEP07		100	15,997.79	15,997.79					EM/TB =206hr ;
PLCT-C1		Insul,measure,TC, other punch list-C1	18	1	01AUG07A	30NOV07A	05NOV07		100	20,113.73	20,113.73					EM/TB =259hr ;
PLCT-B2		Insul,measure,TC other punch list-B2	7	2	04SEP07A	08JAN08	23AUG07	-35	35	5,674.52	16,212.91					EM/TB =206hr ;
PLCT-C2		Insul,measure,TC, other punch list-C2	9	2	03JUL07A	16JAN08	20NOV07	14	86	16,960.57	19,721.59					EM/TB =255hr ;
PLCT-A3		Insul,measure,TC, other punch list-A3	17	1	05JUL07A	31JAN08	05MAR08	58	45	8,402.60	18,672.45					EM/TB =241hr ;
PLCT-A4		Insul,measure,TC, other punch list-A4	17	1	06JUL07A	20FEB08	17APR08	58	45	8,412.08	18,693.50					EM/TB =241hr ;
PLCT-B3		Insul,measure,TC, other punch list-B3	14	1	01OCT07A	06MAR08	25MAR08	58	55	9,076.46	16,502.66					EM/TB =206hr ;
PLCT-C3		Insul,measure,TC, other punch list-C3	18	1	01OCT07A	24MAR08	11JAN08	58	49	10,166.76	20,748.49					EM/TB =259hr ;
PLCT-B4		Insul,measure,TC, other punch list-B4	14	1	01OCT07A	07APR08	07MAY08	58	71	11,716.89	16,502.66					EM/TB =206hr ;

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY			
												FY08	FY09	FY10	FY11
PLCT-C4		Insul,measure,TC, other punch list-C4	14	1	25JUL07A	18APR08	11FEB08	58	52	11,159.43	21,460.45				
PLCT-A5		Insul,measure,TC, other punch list-A5	14	1	30JUL07A	28APR08	23JUN08	58	73	11,694.05	16,019.25				
PLCT-A6		Insul,measure,TC,SG other punch list-A6	14	1	01OCT07A	29JUL08	01AUG08	8	17	2,805.45	16,502.66				
PLCT-B5		Insul,measure,TC, other punch list-B5	14	1	01OCT07A	18AUG08	14JUL08	8	17	2,805.45	16,502.66				
PLCT-C5		Insul,measure,TC, other punch list-C5	18	1	01OCT07A	26AUG08	03JUN08	14	63	12,869.67	20,428.05				
PLCT-B6		Insul,measure,TC,SG other punch list-B6	14	1	01OCT07A	16SEP08	02SEP08	14	17	2,805.45	16,502.66				
PLCT-C6		Insul,measure,TC,SG other punch list-C6	14	1	01OCT07A	06OCT08	30SEP08	14	17	2,797.58	16,456.36				
PLCT-C6M	2	COMPLETE MODULAR COIL FABRICATION	0	1		06OCT08	30SEP08	14		0.00	0.00				
<b>Cole</b>															
<b>Job: 1355 - WBS 13 I&amp;C Proc and Coil Assy-COLE</b>															
<b>TF/PF Local I&amp;C</b>															
1355-101		Design, and Review	60		01FEB08*	24APR08	24APR08	77		0.00	9,705.60				
1355-103		Prepare Installation Procedures	20		25APR08	22MAY08	22MAY08	77		0.00	3,235.20				
1355-105		TF/PF Local I&C - FDR	1	R	23MAY08	23MAY08	23MAY08	77		0.00	1,294.08				
1355-107		Prep req,bid,award T/C and wire	20		27MAY08	23JUN08	23JUN08	77		0.00	1,941.12				
1355-109		Deliver of T/C and wire	40		24JUN08	19AUG08	19AUG08	77		0.00	13,080.00				
1355-111		Installation on PF4,5,6 Coils upon delivery	20		08DEC08	13JAN09	11FEB09	36		0.00	9,745.80				
1355-112		Installation on TF Coils upon delivery	45		01OCT08*	04DEC08	04DEC08	48		0.00	29,046.19				
1355-113		Installation on PF1a Coils upon delivery	3		15MAR10	17MAR10	17MAR10	101		0.00	1,561.87				
<b>Job: 1806 - FP Assembly specs and drawings-COLE</b>															
<b>1.00-VV Prep Station</b>															
1803-609	3	Detail dwgs-spool piece	50		22AUG08	31OCT08	31OCT08	288		0.00	17,008.28				
<b>Station 2-Modular Coil Sub- Assembly</b>															
1803-201	3	Station 2 Assembly Specification	113*		01JUL07A	11DEC07	11SEP07	-10	75	9,503.56	12,671.41				
1803-205	3	Station 2 Assembly Drawings	126*		11JUN07A	07DEC07	11SEP07	-8	85	11,278.03	13,268.27				
<b>Station 3-Modular Coil to VVSA Assembly</b>															
1803-301		Station 3 Assembly Specification	143*		02JUL07A	31JAN08	16NOV07	-10	30	11,455.13	38,183.77				
1803-305		Station 3 Assembly Drawings	143*		02JUL07A	31JAN08	22NOV07	-10	50	6,650.13	13,300.25				
<b>Station 5-Final Field Period Assembly</b>															
1803-501		Station 5 Assembly Specification	90		01FEB08*	06JUN08	15APR08	51		0.00	32,352.00				
1803-505		Station 5 Assembly Drawings	152*		03SEP07A	15APR08	15APR08	88	30	6,007.32	20,024.39				
1803-509		Field period Assy Dwgs	90		01FEB08*	06JUN08	15APR08	51		0.00	40,137.60				
1803-611		Detail dwgs-welding ports	90		03DEC07*	15APR08	15APR08	88		0.00	20,068.80				
<b>6.00-Final Machine Assembly</b>															
1803-601		Station 6 Assembly Specification	120		15APR08*	02OCT08	02OCT08	30		0.00	71,259.83				
1803-605		Station 6 Assembly Drawings	120		15APR08*	02OCT08	02OCT08	30		0.00	53,549.76				
1803-605M	2	Station 6 Specification & Assy Drawings	0			02OCT08	02OCT08	30		0.00	0.00				

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY									
												FY08	FY09	FY10	FY11						
1803-613		Detail dwgs-man access port	120		15APR08*	02OCT08	02OCT08	30		0.00	6,693.72										
Job: 1803 - Stellarator Core Mngtt&Integr-COLE																					
1803-010		Models,design reviews, meetings,reporting,	430*		01MAY07A	23JAN09	23JAN09	925	LOE	61,238.04	176,478.50										
Job: 1901 - Stellarator Core Mngtt&Integr-COLE																					
191 - Stellarator Core Management & Oversight																					
1901-07		WBS 191 FY07	LOE	106*	1	01MAY07A	28SEP07A	28SEP07		LOE	77,380.44	77,380.44									
1901-08		WBS 191 FY08	LOE	249*	1	01OCT07A	29SEP08	29SEP08	1,000	LOE	36,062.47	208,453.58									
1901-09		WBS 191 FY09	LOE	247*	1	01OCT08*	28SEP09	28SEP09	752	LOE	0.00	221,094.09									
1901-10		WBS 191 FY10	SA LOE	248*	1	01OCT09*	30SEP10	30SEP10	502	LOE	0.00	229,029.48									
1901-11		WBS 191 FY10	LOE	79*	1	01OCT10*	31JAN11	31JAN11	423	LOE	0.00	95,379.48									
192 - Stellarator Core Integration & Analysis																					
1902-07		WBS 192 FY07		106*	1	01MAY07A	28SEP07A	28SEP07		LOE	84,180.68	84,180.68									
1902-08		WBS 192 FY08		249*	1	01OCT07A	29SEP08	29SEP08	1,000	LOE	34,586.96	199,924.56									
1902-09		WBS 192 FY09		247*	1	01OCT08*	28SEP09	28SEP09	752	LOE	0.00	210,949.08									
1902-10		WBS 192 FY10		248*	1	01OCT09*	30SEP10	30SEP10	502	LOE	0.00	219,015.60									
1902-11		WBS 192 FY10		79*	1	01OCT10*	31JAN11	31JAN11	423	LOE	0.00	74,333.10									
Dahlgren																					
Job: 1353 - CS Structure Procurement-DAHLGREN																					
CS Support Structure																					
1353-001		Design PF1a upper to lower interconnect	12		15APR08*	30APR08	01JUN09	372		0.00	11,991.00										
1353-002		Engr & analysis of bus	14		01MAY08	20MAY08	29JUN09	372		0.00	14,860.80										
1353-003		Bid & Award PF1a bus	39		30JUN09*	24AUG09	01SEP09	107		0.00	0.00										
1353-004		Award PF1a bus	0			24AUG09	01SEP09*	107		0.00	0.00										
1353-005		Fab & Deliver PF1a bus	130		25AUG09	09MAR10	17MAR10	107		0.00	48,108.00										
163-035		Bid & Award CS Support Struct	40		08JUL09	01SEP09	01SEP09	101		0.00	0.00										
163-036.9		Award CS Support Structure	0			01SEP09*	01SEP09*	101		0.00	0.00										
163-037		CS Support Structure Procurement/Fab	130		02SEP09	17MAR10	17MAR10	101		0.00	247,857.24										
163-015		Title III design CS sprt struc	170*		08JUL09	17MAR10	17MAR10	101	LOE	0.00	13,679.11										
Job: 1702 - Base Support Struct Design-DAHLGREN																					
1702-510		Base support structure prel. design &	99*		03SEP07A	31JAN08	23NOV07	32	15	11,067.90	73,785.97										
1702-515	3	Base support - PDR	5	R	01FEB08	07FEB08	26NOV07	32		0.00	743.04										
1702-520		Final design. Assy dwgs, fab dwgs,	20*		08FEB08	06MAR08	01FEB08	32		0.00	74,675.52										
1702-525		Base Support Structure - FDR	5	R	07MAR08	13MAR08	04FEB08	32		0.00	743.04										

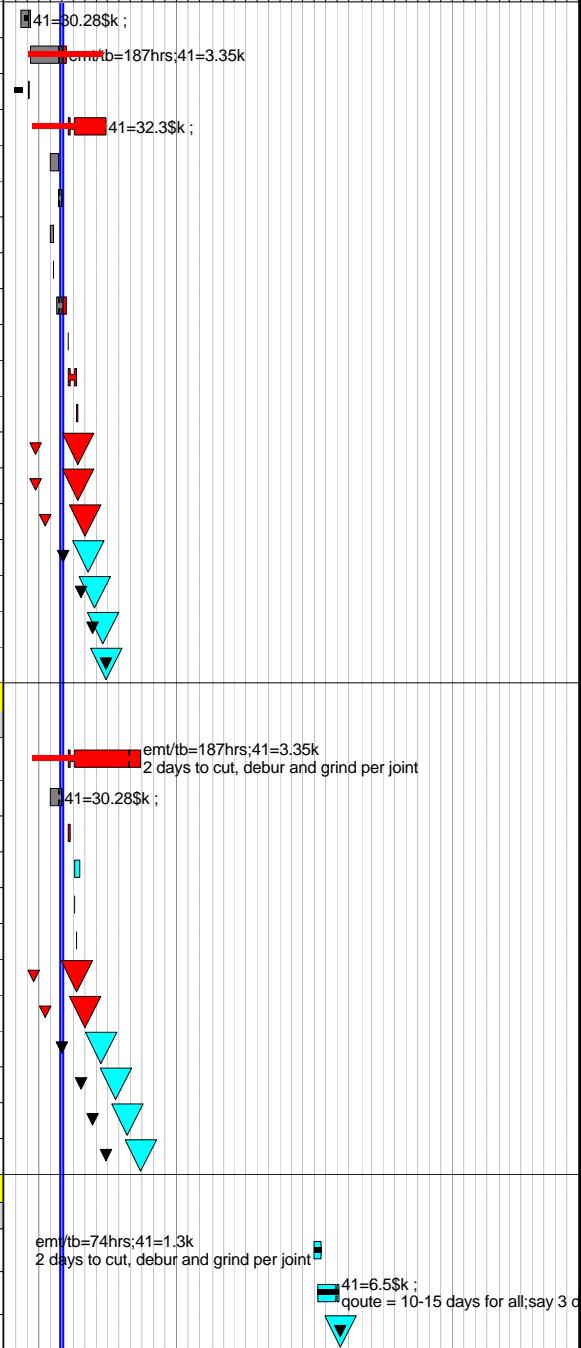
Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
1702-525M	2	Base Support Structure FDR	0			13MAR08	04FEB08	32		0.00	0.00					
1702-530		Resolve chits, issue dwgs for fab, Issue	10		14MAR08	27MAR08	03MAR08	32		0.00	12,631.68					
<b>Job: 1752 - Base Support Proc-DAHLGREN</b>																
<b>172 - Base Support Structure</b>																
161-036.8	3	Bid and award base support materials	40		28MAR08	22MAY08	19JUN08	32		0.00	0.00					
161-036.9	3	Deliver base support materials	65		23MAY08	25AUG08	22SEP08	32		0.00	51,587.52					
161-037		PPPL assemble structure	35		26AUG08*	14OCT08	10NOV08	32		0.00	29,323.66					
161-038		Title III	261		28MAR08*	14APR09	19MAR09	868	LOE	0.00	7,178.78					
<b>Job: 1501 - Coil Structures Design-DAHLGREN</b>																
1501-521		Complete Preliminary Stress analysis	34*		04JUN07A	20JUL07A	18JUN07		100	12,196.10	12,196.10					
1501-522		Prelim CAD models & Dwgs	30		04JUN07A	16JUL07A	16JUL07		100	27,876.80	27,876.80					
1501-525		PDR Prep	3		02JUL07A	20JUL07A	19JUL07		100	3,484.60	3,484.60					
1501-525P	3	Coils Support Structure - PDR	1		20JUL07A	20JUL07A	20JUL07		100	1,393.84	1,393.84					
1501-533		Detail CAD Drawings,BOM	131*		01JUN07A	06DEC07	17SEP07	101	95	57,612.44	60,644.68					
1501-533F		Integrated Stress Analysis	52*		01OCT07A	13DEC07	17SEP07	96	80	35,665.92	44,582.40					
1501-535		Resolve CS PDR Chits	9*		03DEC07	13DEC07				1,197	0.00	0.00				
1501-537		FDR Prep	4		10DEC07	13DEC07	20SEP07	96		0.00	2,786.40					
1501-541	3	Coil Support Structures - FDR	1		14DEC07	14DEC07	21SEP07	96		0.00	1,486.08					
1501-545		Resolve Chits	5		17DEC07	21DEC07	19OCT07	96		0.00	7,430.40					
1501-549		Update C.S.Support Design	6		02JAN08	09JAN08	05OCT07	440		0.00	11,145.60					
1501-550		FDR Updated C.S.Design	5		21MAY08	28MAY08	10OCT07	372		0.00	1,486.08					
1501-554		Resolve CS FDR Chits	5		29MAY08	04JUN08	12OCT07	372		0.00	7,430.40					
1501-558		Prepare requisition for Coil Structure & CSS	10		17DEC07	08JAN08	02NOV07	96		0.00	743.04					
1501-562		Prepare Specs for Coil Structure & CSS h/w	10		17DEC07	08JAN08	26OCT07	96		0.00	1,857.60					
ECP53RBX09		FY07 Rebaseline exercise	0*		01JUN07A	29JUN07A	31MAY07		LOE	6,969.20	6,969.20					
<b>Job: 1550 - Coil Struct. Procurement -DAHLGREN</b>																
1501-244		Procure Spherical Bearings	94*		03DEC07*	21APR08		208		0.00	19,620.00					
1501-245		Prep Spec,Solicit Bids, and Evaluate Bids	40		02JAN08	26FEB08	16JUN08	96		0.00	0.00					
162-036.9	2	Award Coil Support Structure	0			28APR08*	16JUN08*	52		0.00	0.00					
162-037		Fabricate TF/MCWF mounting Components	260		29APR08	13MAY09	01JUL09	52		0.00	305,639.71					
162-037M	2	Fabricate TF/MCWF mounting Components	0			13MAY09	01JUL09	52		0.00	0.00					
162-038		Fabricate PF Mounting components	260		29APR08	13MAY09	01JUL09	52		0.00	267,393.81					
162-039		Fabricate Final TF Assy components	260		29APR08	13MAY09	01JUL09	52		0.00	82,862.33					
162-040		Fabricate Machine/base support interface	260		29APR08	13MAY09	01JUL09	52		0.00	92,411.37					
162-050		Prep req, bid and award G11/Teflon parts	20		16JUN08*	14JUL08	14JUL08	60		0.00	0.00					
162-051		Deliver G11/Teflon parts	90		15JUL08	18NOV08	18NOV08	60		0.00	155,701.41					



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY			
												FY08	FY09	FY10	FY11
162-052		Prep req, bid and award Inconel hardware	20		16JUN08*	14JUL08	14JUL08	60		0.00	0.00				
162-053		Deliver Inconel hardware	90		15JUL08	18NOV08	18NOV08	60		0.00	107,848.23				
162-055		Prep req, bid and award Belleville Washers	20		16JUN08*	14JUL08	14JUL08	60		0.00	0.00				
162-057		Deliver Belleville Washers	90		15JUL08	18NOV08	18NOV08	60		0.00	25,106.83				
162-031		Title III engr WBS 151	260		29APR08*	13MAY09	01JUL09	847	LOE	0.00	12,265.77				
<b>Dudek</b>															
<b>Job: 1204 - VV Sys Procurements (nonVVSA)-DUDEK</b>															
<b>VV Vertical Supports</b>															
124-037		PPPL Fab VV Vert. Sprts (log # M1091)	197		01NOV07A	30NOV07A	01MAY07A		100	0.00	0.00				
<b>VV Personnel Access Port &amp; Lateral sprts</b>															
124-110		Issue req,Bid & Award VV NB port cover	25		01OCT09*	04NOV09	04NOV09	81		0.00	0.00				
124-120		Award VV NB port cover	0			04NOV09*	04NOV09*	81		0.00	0.00				
124-130		VV NB port cover Fabrication	40		05NOV09	13JAN10	13JAN10	81		0.00	83,786.32				
<b>VV Local I&amp;C</b>															
1204-101		Drawings Signed -Local I&C	0			01MAY07A	01MAY07*		100	0.00	0.00				
1204-105		Issue req,Bid & Award -Local I&C	25		02MAY07A	06JUN07A	06JUN07		100	0.00	0.00				
1204-109		Award -Local I&C	0			06JUN07A	06JUN07		100	0.00	0.00				
1204-113		Deliver -Local I&C	40		07JUN07A	29JUN07A	02AUG07		100	34,400.96	34,400.96				
<b>Thermal Insulation</b>															
123-040		Issue req,Bid & Award insul boots	25		01OCT07A	31OCT07A	31MAR08		100	0.00	0.00				
123-045		Award Insulation Boots	0			30OCT07A	31MAR08*		100	0.00	0.00				
123-050		Fabricate& Deliver Insul Boots	54*		01OCT07A	17DEC07	02OCT08	265	50	36,460.50	72,921.00				
122-035		Issue req,Bid & Award Port Thermal	33*		15OCT07A	30NOV07A	01APR08		100	0.00	0.00				
122-041		Award Port Thermal Insulation	0			30NOV07A	01APR08*		100	0.00	0.00				
122-051		Deliver Port Thermal Insulation	30*		01NOV07A	14DEC07	28MAY08	216		21,810.90	32,700.00				
122-030		Issue req,Bid & Award Pourable Insulation	25		27AUG09	01OCT09	01OCT09	176		0.00	0.00				
122-036.9		Award Pourable Insulation	0			01OCT09*	01OCT09*	176		0.00	0.00				
122-037		Deliver Pourable Insulation	40		02OCT09	30NOV09	30NOV09	176		0.00	114,560.00				
<b>Heater Tape for Port Stub</b>															
1204-121		Drawings Signed Heater Tape for port stubs	0			31JUL07A	04SEP07*		100	0.00	0.00				
1204-125		Issue req,Bid & Award -Heater Tape for port	33*		15OCT07A	30NOV07A	09OCT07		100	0.00	0.00				
1204-129		Award Heater Tape for port stubs	0			30NOV07A	09OCT07			0.00	0.00				
1204-130		Deliver Heater Tape for port stubs	36*		03DEC07	30JAN08	06DEC07	59		0.00	20,143.20				
<b>T/C and Heater Tape Leads</b>															
1204-145		Issue req,Bid & Award-T/C and Heater Tape	25		01MAY07A	01JUN07A	03OCT07		100	0.00	0.00				
1204-149		Award T/C and Heater Tape Leads	0			01JUN07A	03OCT07		100	0.00	0.00				

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
1204-153		Deliver T/C and Heater Tape Leads PE007375	126*		04JUN07A	28SEP07A	28NOV07		100	36,047.00	36,047.00					
<b>Spacer Flux Loops</b>																
1204-173M		Material Delivery (desifn/fab in job 3101)	35		01JUN07A	29JUN07A	08AUG07		100	12,275.12	12,275.12					
<b>Job: 1250 - Vacuum Vessel Fabrication**CLOSED**</b>																
99.07W		Scrap value of Kirksite dies (minimum sale	22*		01MAY07A	31MAY07A	31MAY07A		100	-161,694.72	-161,694.72					
99.08W		Retroactive mxh exclusion adjustment	22*		01JUL07A	31JUL07A	31AUG07A		100	-90,000.00	-90,000.00					
<b>Job: 1431 - Mod. Coil Interface Hardware-DUDEK</b>																
<b>Bladders</b>																
1421-3022		Receive first 5 Bladders	10		01JUN07A	29JUN07A	16JUL07		100	0.00	0.00					
1421-3023		Test Bladders (finish by A6-B6 weld test)	10		05SEP07A	11SEP07A	30JUL07		100	0.00	0.00					
1421-3024		Prep Req, Bid,& Award Bladders	10		01NOV07A	14NOV07A	13AUG07		100	0.00	0.00					
1421-3025		Deliver bladders	5		17DEC07A	07DEC07	20AUG07	88		0.00	16,807.80					
1421-3028		Bladders available for FPA	0			07DEC07	20AUG07	88		0.00	0.00					
<b>Bushings</b>																
1421-3105		Prep Req, Bid,& Award Bushings	5		01OCT07A	05OCT07A	21MAY07		100	0.00	0.00					
1421-3106		Deliver Bushings Material	6*		08OCT07A	15OCT07A	02JUL07		100	10,529.40	10,529.40					
1421-3107		PPPL Machine bushings Bushings FPA 1&2	20		01OCT07A	29OCT07A	29JUL08		100	29,560.59	29,560.59					
1421-3108		Bushings available for FPA 1	0		30OCT07A				100	0.00	0.00					
1421-3117		PPPL Machine bushings Bushings FPA 3	30		03DEC07	22JAN08		167		0.00	14,820.35					
1421-3118		Bushings available for FPA 3	0		23JAN08			167		0.00	0.00					
1421-3109		All Bushings delivered	0			22JAN08	29JUL08	167		0.00	0.00					
<b>MIG Welding</b>																
1429-3200		Order MIG welding equipt	10		01NOV07A	30NOV07A			100	0.00	0.00					
1429-3205		Deliver MIG welding equipt	10		03DEC07	14DEC07		5		0.00	0.00					
1429-3215		Prep weld procedures	35*		01NOV07A	21DEC07		0	50	0.00	0.00					
1429-3220		Cut samples for weld qualification	10		01NOV07A	30NOV07A			100	0.00	0.00					
1429-3225		Qualify welders	15		02JAN08	22JAN08		0		0.00	0.00					
1429-3230		Welders qualified and MIG welder available	0			22JAN08		0		0.00	0.00					
<b>Pucks</b>																
1429-3100		Determine Puck Material	0			11DEC07*		-50		0.00	0.00					
1429-3105		Deliver bar stock	10		12DEC07	03JAN08		-50		0.00	0.00					
1429-3110		PPPL cut and grind to thickness	5		04JAN08	10JAN08		-50		0.00	0.00					
1429-3115		Pucks ready for assy	0			10JAN08		-50		0.00	0.00					
<b>Shims-Outboard</b>																
1429-3059		Bid,Award Shim Stock (out & inbound)	15		01AUG07A	10AUG07A	21AUG07		100	0.00	0.00					

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
1429-3060		Deliver Outboard Shim Stock	19*		13AUG07A	07SEP07A	05SEP07		100	38,637.28	38,637.28					
1429-3062		Vendor Cut, Grind, debur Outboard Shims	68*		10SEP07A	14DEC07	18MAR08		-42	75	14,321.08	19,094.77				
1429-3065		Prep Req, Bid, Award Alumina Application	0*		04SEP07A	31AUG07A	16AUG07		100		0.00	0.00				
1429-3066		Apply Alumina to OutboardShims	65		17DEC07*	25MAR08	25MAR08		-42		0.00	42,248.40				
1429-3066A		Qualify Flame Spray	13		01NOV07A	19NOV07A			100		0.00	0.00				
1429-3066B		PPPL Evaluate	5		20NOV07A	28NOV07A			100		0.00	0.00				
1429-3066E		Anneal Outboard shims	5		01NOV07A	07NOV07A			100		0.00	0.00				
1429-3066J		Re-Anneal Outboard shims	5		07NOV07A	07NOV07A			N/R		0.00	0.00				
1429-3066D		PPPL Regrind Outboard Shims	18*		19NOV07A	14DEC07		-53	20		0.00	0.00				
1429-3066F		Ship to Alumina vendor for flame spray	1		17DEC07*	17DEC07		-53			0.00	0.00				
1429-3066G		Alumina coat outboard shims for 1st HP	10*		18DEC07*	09JAN08		-53			0.00	0.00				
1429-3066H		Deliver 1st HP shims to PPPL	1		10JAN08*	10JAN08		-53			0.00	0.00				
1429-3069		Outboard Shims Available for 1st 3 pack MC	0			10JAN08*		-51			0.00	0.00				
S21-5.04X	2	Shims required for 1st 3 pack MC assy	0			11JAN08	20SEP07	-51			0.00	0.00				
1429-3070		Outboard Shims Available for 2nd 3 pack	0		31JAN08			-53			0.00	0.00				
1429-3071		Outboard Shims Available for 3rd 3 pack MC	0		06FEB08			44			0.00	0.00				
1429-3072		Outboard Shims Available for 4th 3 pack MC	0		27FEB08			69			0.00	0.00				
1429-3073		Outboard Shims Available for 5th 3 pack MC	0		19MAR08			120			0.00	0.00				
1429-3074		Outboard Shims Available for 6th 3 pack MC	0		26MAR08			168			0.00	0.00				
<b>Shims-Inboard</b>																
1429-3062X		PPPL cut, grind and debur Inboard Shims	130		17DEC07	25JUN08	24MAR08	-52			0.00	19,362.37				
1429-3060I		Deliver Inboard Shim Stock	11*		01NOV07A	30NOV07A			100		39,606.24	39,606.24				
1429-3060A		PPPL mill inboard shims to thickness (for	5		17DEC07	21DEC07		-49			0.00	0.00				
1429-3060D		PPPL mill inboard shims to thickness (for	10		02JAN08	15JAN08		21			0.00	0.00				
1429-3060B		PPPL water jet cut inboard shims	3		02JAN08	04JAN08		-49			0.00	0.00				
1429-3060C		PPPL anneal inboard shims	3		07JAN08	09JAN08		-49			0.00	0.00				
1429-3069X		Inboard Shims Available for 1st 3 pack MC	0		10JAN08			-49			0.00	0.00				
1429-3070X		Inboard Shims Available for 2nd 3 pack MC	0		30JAN08			-52			0.00	0.00				
1429-3071X		Inboard Shims Available for 3rd 3 pack MC	0		12MAR08			33			0.00	0.00				
1429-3072X		Inboard Shims Available for 4th 3 pack MC	0		23APR08			56			0.00	0.00				
1429-3073X		Inboard Shims Available for 5th 3 pack MC	0		21MAY08			82			0.00	0.00				
1429-3074X		Inboard Shims Available for 6th 3 pack MC	0		26JUN08			109			0.00	0.00				
<b>Shims- C-C Joint</b>																
1429-3062C		PPPL Cut, Grind, debur Outboard Shims	10		01OCT09*	14OCT09	14OCT09	12			0.00	8,170.84				
1429-3066C		Apply Alumina to OutboardShims	40		08OCT09	04DEC09	04DEC09	12			0.00	9,308.00				
1429-3075X		Shims Req'd for C-C joint	0		07DEC09			12			0.00	0.00				



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY			
												FY08	FY09	FY10	FY11
<b>Studs, Washers, Nuts</b>															
1421-3060		Deliver Stud Kit (PE007330) (for 1st 3 pack	87*		01MAY07A	31AUG07A	20JUL07		100	98,992.08	98,992.08				
1421-3061		Stud kit available for 1st 3 pack MC Assy	0			31AUG07A	20JUL07		100	0.00	0.00				
1421-3062		Re-order balance of stud kits	58*		01OCT07A	21DEC07	18OCT07	83	57	232,830.93	408,475.32				
1421-3063		Stud kits available for balance of MC Assy	0			21DEC07	18OCT07	83		0.00	0.00				
1421-3065		Deliver Superbolts (PE007332)	43*		01MAY07A	29JUN07A	31MAY07		100	157,905.00	157,905.00				
1421-3066		Super bolts available for FPA	0			29JUN07A	31MAY07		100	0.00	0.00				
1421-3070		Order Add'l stud kits for c-c joint&weld clmp	15		03DEC07*	21DEC07	19OCT07	89		0.00	0.00				
1421-3072		Deliver Add'l stud kits for c-c joint&weld	30		02JAN08	12FEB08	04DEC07	89		0.00	59,827.92				
1421-3080		Purchase G-11 shims and machine for C-C	65		03DEC07*	11MAR08	10JAN08	454		0.00	5,728.80				
<b>Misc Tech Shop Support</b>															
1421-4000		Misc Tech Shop support through FPA sta 3	250*		01OCT07A	30SEP08	30SEP08	999	LOE	13,227.76	76,905.60				
<b>Job: 6101 - Water Systems-DUDEK</b>															
<b>613 - Vacuum Pumping System</b>															
6101-100		Design Vac Pmp water sys	20		01OCT08*	28OCT08	28OCT08	258		0.00	13,183.60				
6101-105		Procure Hardware and materials Vac Pmp	90		29OCT08	16MAR09	16MAR09	258		0.00	7,459.09				
6101-110		Fabricate and Install Vac Pmp water sys	40		20APR09*	15JUN09	15JUN09	234		0.00	21,135.28				
6101-115		Test Vac Pmp water sys	22		16JUN09	16JUL09	16JUL09	234		0.00	4,622.40				
<b>Job: 6301 - Utility Systems-DUDEK</b>															
6301-001		Vac Vent and Air sys- Prelim Dsn	20		06OCT08*	31OCT08	31OCT08	285		0.00	18,479.60				
6301-005		Vac Vent and Air sys- PDR	1	R	03NOV08*	03NOV08	03NOV08	285		0.00	1,324.00				
6301-009		Vac Vent and Air sys- Final dsn	10		04NOV08*	17NOV08	17NOV08	285		0.00	11,859.60				
6301-010		Vac Vent and Air sys- FDR	1	R	18NOV08*	18NOV08	18NOV08	285		0.00	1,324.00				
6301-013		Vac Vent and Air sys- Procure hardware and	60		19NOV08	23FEB09	23FEB09	285		0.00	37,396.80				
6301-017		Vac Vent and Air sys- Fabricate and Install	40		01MAY09*	26JUN09	26JUN09	237		0.00	29,862.12				
6301-020		Vac Vent and Air sys-Test	10		29JUN09*	13JUL09	13JUL09	237		0.00	4,622.40				
<b>Ellis</b>															
<b>Job: 8205 - Dimensional Control Coordin-ELLIS</b>															
METFY07R1	3	Dimensional control plans for station 2	142*		01JUN07A	21DEC07	31AUG07	-18	98	84,173.11	85,890.93				
METDCP-3	3	Dimensional control plans for station 3	60*		09OCT07A	11JAN08	15OCT07	4	15	4,458.24	29,721.60				
METDCP-5	3	Dimensional control plans for station 5	80		14JAN08	02MAY08	15FEB08	56		0.00	59,443.20				
METDCP-6	3	Dimensional control plans for station 6	80		05MAY08	26AUG08	09JUN08	56		0.00	89,164.80				
METFY08R		Support FPA Station 2	347		23OCT07A	19FEB09	19FEB09	906	LOE	12,137.68	89,908.80				
METFY08RX		Support FPA Station 3	348*		20MAR08	07AUG09	08JUN09	-53	LOE	0.00	90,758.46				
METFY09		Support FPA Station 5	266*		16JAN09	10FEB10	13NOV09	-53	LOE	0.00	61,851.86				

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year				
												FY08	FY09	FY10	FY11	
METFY10		Support Final Machine Assy	535*		26JAN09	17MAR11	03JAN11	-53	LOE	0.00	94,555.51					ellis =480
<b>Gentile</b>																
<b>Job: 8501 - Integrated Systems Testing-GENTILE</b>																
<b>Startup Documentation</b>																
Y																
8501-101		SAD NCSX Safety Assessment Document	45		03NOV08*	15JAN09	15JAN09	185		0.00	48,236.80					EM/EM =160hr ; EM/SM =160hr ;
8501-129		NCSX-XX, Administrative Control of	30		24NOV08	15JAN09	15JAN09	184		0.00	24,118.40					EM/EM =80hr ; EM/SM =80hr ;
8501-133		OP-AD-39, Conduct of Operations	10		16JAN09	29JAN09	29JAN09	184		0.00	6,029.60					EM/EM =20hr ; EM/SM =20hr ;
8501-137		OP-AD-56, Cntrl Equip & Syst Status (chain	10		23JAN09	05FEB09	05FEB09	184		0.00	6,029.60					EM/EM =20hr ; EM/SM =20hr ;
8501-141		OP-AD-24, Cntrl Workplace Cleanliness	10		30JAN09	12FEB09	12FEB09	184		0.00	6,029.60					EM/EM =20hr ; EM/SM =20hr ;
8501-145		OP-AD-31, D- Site Fire Watch Requirements	10		06FEB09	19FEB09	19FEB09	184		0.00	6,029.60					EM/EM =20hr ; EM/SM =20hr ;
8501-149		OP-AD-03, Experimental Proposals for NCSX	10		13FEB09	26FEB09	26FEB09	184		0.00	6,029.60					EM/EM =20hr ; EM/SM =20hr ;
8501-153		OP-AD-117 Operation of the NCSX Access	10		20FEB09	05MAR09	05MAR09	184		0.00	6,029.60					EM/EM =20hr ; EM/SM =20hr ;
8501-157		NCSX-OP-XX, Prep of Exper Areas for	30		27FEB09	09APR09	09APR09	184		0.00	18,088.80					EM/EM =60hr ; EM/SM =60hr ;
8501-161		NCSX-OP-XX, Operation of the NCSX TVPS	30		20MAR09	30APR09	30APR09	184		0.00	18,088.80					EM/EM =60hr ; EM/SM =60hr ;
8501-165		NCSX-OP-XX, Testing NCSX HIS Safe for	30		10APR09	21MAY09	21MAY09	184		0.00	18,088.80					EM/EM =60hr ; EM/SM =60hr ;
8501-169		NCSX-OP-XX, Testing the NCSX Emergency	30		01MAY09	12JUN09	12JUN09	184		0.00	18,088.80					EM/EM =60hr ; EM/SM =60hr ;
8501-173		NCSX-OP-XX, NCSX Training Matrix	30		22MAY09	06JUL09	06JUL09	184		0.00	18,088.80					EM/EM =60hr ; EM/SM =60hr ;
8501-177		NCSX-OP-XX, NCSX Ops Guide -Startup and	30		15JUN09	27JUL09	27JUL09	184		0.00	18,088.80					EM/EM =60hr ; EM/SM =60hr ;
8501-181		NCSX-OP-XX, HPP Daily Operations	20		14JUL09	10AUG09	10AUG09	184		0.00	12,059.20					EM/EM =40hr ; EM/SM =40hr ;
8501-185		NCSX-OP-XX, ACP & PDP Trip Control	20		28JUL09	24AUG09	24AUG09	184		0.00	12,059.20					EM/EM =40hr ; EM/SM =40hr ;
8501-189		NCSX-OP-G-XX Preparation for NCSX	30		11AUG09	22SEP09	22SEP09	184		0.00	18,088.80					EM/EM =60hr ; EM/SM =60hr ;
8501-193		NCSX-OP-XX Helium H/C System Operations	30		01SEP09	13OCT09	13OCT09	184		0.00	18,273.30					EM/EM =60hr ; EM/SM =60hr ;
8501-197		NCSX-OP-G-XX Daily Hi-Pot Test Vacuum	30		23SEP09	03NOV09	03NOV09	184		0.00	18,580.80					EM/EM =60hr ; EM/SM =60hr ;
8501-201		ISTP-NCSX-01 Coil EnergizationTests	40		14OCT09	10DEC09	10DEC09	184		0.00	24,938.40					EM/EM =80hr ; EM/SM =80hr ;
8501-205		OP-ECS-245 FCPC Daily Startup/Shutdown	20		25NOV09	05JAN10	05JAN10	184		0.00	12,469.20					EM/EM =40hr ; EM/SM =40hr ;
8501-209		NCSX-XX Leak Checking of NCSX	20		11DEC09	19JAN10	19JAN10	184		0.00	12,469.20					EM/EM =40hr ; EM/SM =40hr ;
8501-105		ESHD-5008 Environ, Safety, and Health	0		01MAY07A	01MAY07A	01MAY07A	100		0.00	0.00					
8501-109		100ESH-014 NEPA Review System	0		01MAY07A	01MAY07A	01MAY07A	100		0.00	0.00					
8501-113		ESH-016 Cntrl Haz Energy Sources Lockout	0		01MAY07A	01MAY07A	01MAY07A	100		0.00	0.00					
8501-117		ENG-030 PPPL Tech Procd for Exper	0		01MAY07A	01MAY07A	01MAY07A	100		0.00	0.00					
8501-121		100100ENG-032 PPPL Work Planning	0		01MAY07A	01MAY07A	01MAY07A	100		0.00	0.00					
8501-125		100ENG-033 PPPL Engineering Design	0		01MAY07A	01MAY07A	01MAY07A	100		0.00	0.00					
920.000		Startup Personnel	76	1	01OCT10	26JAN11	26JAN11	426		0.00	418,829.00					EM/EM =340hr ; EA/EM =100hr ; EM/SB =680 ; EM/TB =300hr ; EE/EM =300hr ; EE/SM =300hr ; EC/EM =300hr ; R//RM2 =400hr ;
8501-102		Punch list & CSIS & HIS PTP's complete,	5	1	01OCT10*	07OCT10	07OCT10	5		0.00	0.00					
8501-103		PTP's complete for ECS,HCS,vac pmpg	5	1	08OCT10	14OCT10	14OCT10	5		0.00	0.00					

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
8501-104		ACC review and ORA	5	1	15OCT10	21OCT10	21OCT10	5		0.00	0.00					
730.1250	2	PSO Operational Readiness Assessment	0	1		21OCT10	21OCT10	5		0.00	0.00	***** COMPLETE OPERATIONAL READINESS ASSESSMENT DOE LEVEL 2 MILESTONE *****				
8501-301		Configure for Startup ISTP	5	1	19JAN11	25JAN11	01NOV10	-50		0.00	0.00					
8501-304	2	Begin Start-up Testing	0	1		28JAN11	04NOV10	-53		0.00	0.00					
8501-305		Coil Testing at room temp	5	1	31JAN11	04FEB11	11NOV10	-53		0.00	0.00					
8501-106		Coil testing @ cryo temp, Pump-down VV	5	1	18MAR11	24MAR11	10JAN11	-53		0.00	0.00					
8501-107		Combined field testing, Make 1st Plasma	5	1	25MAR11	31MAR11	17JAN11	-53		0.00	0.00					
8501-108		Vent VV, Config for & instl e-beam mapping	5	1	01APR11	07APR11	24JAN11	-53		0.00	0.00					
8501-306		E-beam mapping	5	1	08APR11	14APR11	31JAN11	-53		0.00	0.00					
8501-110	1	NCSX Startup Complete	0	1		14APR11	31JAN11	-53		0.00	0.00					
730.9000	1	CD-4	0	1		23DEC11*	23DEC11*	0		0.00	0.00					

**Gettelfinger**

**Job: 1429 - MC Interface R&D-GETTELFINGER**

**Outboard Interface-Friction**

1429-3026		COF cyclic testing	0*		01MAY07A	18MAY07A	18MAY07		100	29,970.00	29,970.00					
1429-3027		Friction Life Test	32		02JUL07A	31JUL07A	15AUG07		100	29,397.18	29,397.18					
1429-3028		Edge loading&Superbolt torque tests 1&2	65*		01OCT07A	10JAN08	16AUG07	1,184	50	15,670.16	31,340.30					
1429-3029		Bolt Tests 3&4 Write Report (see	1,097*		01AUG07A	23DEC11	24AUG07	194	10	3,287.59	32,875.92					

gettelfinger=107hrs; jurzynski=107hrs

gettelfinger=107hrs; jurzynski=107hrs

**Goranson**

**Job: 1601 - Coil Services Design-GORANSON**

**FY07 Rebaseline Exercise**

ECP53RBX08		FY07 Rebaseline exercise	0*		01JUN07A	29JUN07A	31MAY07		LOE	6,228.80	6,228.80					
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ORNLEM =40hr ;

**161 - LN2 Distribution**

191-001		Title I design WBS 161 LN2	142*		02SEP07A	01APR08	01APR08	90	20	16,738.99	83,694.95					
191-002	3	LN2 manifolds&pipng- PDR	1	R	02APR08	02APR08	02APR08	90		0.00	1,294.08					
191-011		Title II design WBS 161 LN2	65		03APR08	03JUL08	03JUL08	90		0.00	84,115.20					
191-012		LN2 manifolds&pipng - FDR	1	R	07JUL08	07JUL08	07JUL08	90		0.00	1,294.08					
191-037		Prep Req,Bid,Award-manifolds,hoses,valves	25		08JUL08	11AUG08	11AUG08	90		0.00	0.00					
191-038		Fab and deliver-manifold assy,hoses,valves etc	90		12AUG08*	18DEC08	18DEC08	90		0.00	140,101.51					
191-031		Title III engr WBS 161	118		08JUL08	23DEC08	23DEC08	941	LOE	0.00	27,796.89					

ORNLEM =520hr ;

ORNLEM =08hr ;

ORNLEM =520hr ;

ORNLEM =08hr ;

41=59\$K ;  
EM/TB =492hr ; EM/EM =123hr ;

ORNLEM =176hr ;em/em=78;em/sm=40

**162 - Electrical Leads**

X																
132-001		Title I design WBS 162 Coil leads	155		02JUN08*	19JAN09	19JAN09	49		0.00	152,991.50					
132-002		Electrical Coil leads - PDR	1	R	20JAN09	20JAN09	20JAN09	49		0.00	1,387.28					
132-011		Title II design WBS 162 Coil leads	155		21JAN09	27AUG09	27AUG09	150		0.00	158,843.56					

ORNLEM =916hr ;

ORNLEM =08hr ;

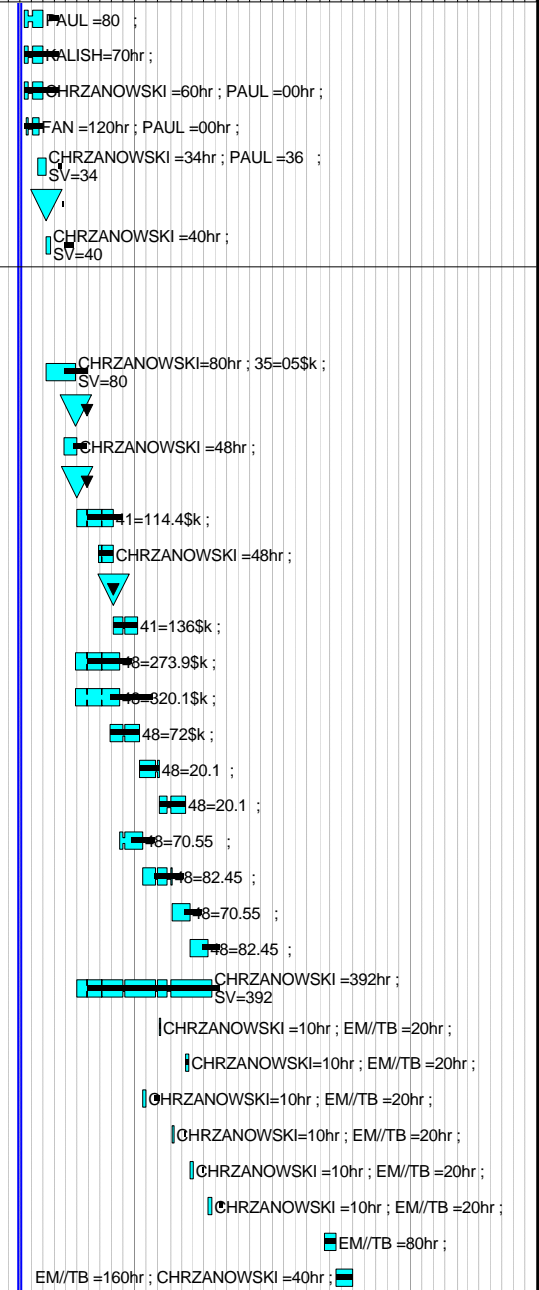
ORNLEM =916hr ;

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY					
												FY08	FY09	FY10	FY11		
132-012		Electrical Coil leads - FDR	1	R	28AUG09	28AUG09	28AUG09	150		0.00	1,387.28					ORNLLEM =08hr ;	
132-015		Title III design WBS 162 Coil leads	99		31AUG09	29JAN10	29JAN10	222	LOE	0.00	19,579.88					ORNLLEM =110hr ;	
132-037		Prep Req,Bid,Award Lead hardware and	25		31AUG09	05OCT09	05OCT09	150		0.00	0.00						
132-038		Deliver Lead hardware and cables	65		06OCT09	18JAN10	18JAN10	150		0.00	114,187.68					41=79.744\$K ;	
132-047		Prep Req,Bid,Award Material for transition	25		31AUG09	05OCT09	05OCT09	216		0.00	0.00						
132-048		Deliver Material for Transition Boxes	40		06OCT09	02DEC09	02DEC09	216		0.00	9,909.44					41=07\$K ;	
132-049		Assemble Transition boxes (6)	40		03DEC09	08FEB10	08FEB10	216		0.00	20,462.40					EM/TB =240hr ;	
<b>163 - Coil Protection System</b>																	
X																	
163.001		Design Coil protection(input to WBS 4 & 5)	65		01OCT08*	12JAN09	12JAN09	80		0.00	38,150.20					ORNLLEM =220hr ;	
<b>Heitzenroder</b>																	
<b>Job: 1404 - MCWF R&amp;D 1st Prod Casting**CLOSED**</b>																	
99.07Z		Retroactive MHX exclusion	22*		01MAY07A	31MAY07A	31MAY07A		100	-35,940.00	-35,940.00						
<b>Job: 1411 - MCWF Fabr. S005242-HEITZENROEDER</b>																	
99.09W		Retroactive mhx exclusion adjustment	213		01JUL07A	31JUL07A	31AUG07A		100	-90,000.00	-90,000.00						
MCWF-001		EIO Contract Accrued/cost to date	213*		02OCT06A	30APR07A	30APR07A		100	0.00	0.00						
MCWF-002		EIO Contract TOTAL EAC =\$9,218,637k	213*		30APR07A	30APR07A	30APR07A		100	0.00	0.00						
MCWF-003		Contract closeout final cost increment	20		06JUN07A	06JUN07A			100	2,640.00	2,640.00						
MCWF-571		B6-MTM - machining/inspection	230*		06JUN06A	06JUN07A	06JUN07		100	0.00	0.00						
MCWF-581		B6-Receive at PPPL	0			07JUN07A	07JUN07		100	0.00	0.00						
MCWF-004		PPPL Oversight	28		01MAY07A	07JUN07A	08JUN07		100	6,969.20	6,969.20						
MCWF-301		C6-MTM - machining/inspection	313*		03APR06A	08MAY07A	08MAY07		100	0.00	0.00						
MCWF-311		C6-Receive at PPPL	0			09MAY07A	09MAY07		100	0.00	0.00						
<b>Kalish</b>																	
<b>Job: 1361 - TF Fabrication-KALISH</b>																	
<b>TF Title III and Fabrication Oversight</b>																	
131-033		Title III engr	348*		01MAY07A	31OCT07A	18SEP08		LOE	110,300.62	110,300.62					kalish =584hr ; 35=1.86\$K ; 41=2.97 em/tb=25	
131-033B		Title III engr	219*		01NOV07A	18SEP08		1,007	LOE	9,308.29	102,288.97					Kalish =175hr ;Meighan =301 35=3.1\$K ; 41=5 em/tb=43	
<b>TF Fabrication Contract</b>																	
1361C-101		Fab, Test & Deliver Coil #1	51*		01JUN07A	13AUG07A	20JUL07		100	27,210.00	27,210.00					48=27 ;	
1361C-102		Fab, Test & Deliver Coil #2	61*		01JUN07A	27AUG07A	03AUG07		100	43,590.00	43,590.00					48=44 ;	
1361C-103		Fab, Test & Deliver Coil #3	86*		02JUL07A	05OCT07A	31AUG07		100	47,210.00	47,210.00					48=47 ;	
1361C-104		Fab, Test & Deliver Coil #4	57*		01AUG07A	19OCT07A	28SEP07		100	47,210.00	47,210.00					48=47 ;	
1361C-104M	2	** DELIVER TF COILS FOR FPA #1 ASSY **	0			19OCT07A	28SEP07			0.00	0.00					***** LEVEL II MILESTONE DATE DECEMBER 2007 *****	

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY						
												FY08	FY09	FY10	FY11			
1361C-105		Fab, Test & Deliver Coil #5	85*		01AUG07A	20NOV07A	26OCT07		100	47,210.00	47,210.00							
1361C-106	3	Fab, Test & Deliver Coil #6	43*		15OCT07A	14DEC07	23NOV07	389	85	40,128.50	47,210.00							
1361C-107		Fab, Test & Deliver Coil #7	51*		15OCT07A	04JAN08	21DEC07	390	60	28,326.00	47,210.00							
1361C-108		Fab, Test & Deliver Coil #8	1		25JAN08*	25JAN08	18JAN08	320		0.00	47,210.00							
1361C-109		Fab, Test & Deliver Coil #9	1		18FEB08*	18FEB08	12FEB08	320		0.00	47,210.00							
1361C-110		Fab, Test & Deliver Coil #10	1		11MAR08*	11MAR08	06MAR08	320		0.00	47,210.00							
1361C-111		Fab, Test & Deliver Coil #11	1		02APR08*	02APR08	31MAR08	320		0.00	47,210.00							
1361C-112		Fab, Test & Deliver Coil #12	1		24APR08*	24APR08	23APR08	320		0.00	47,210.00							
1361C-113		Fab, Test & Deliver Coil #13	1		16MAY08*	16MAY08	16MAY08	338		0.00	47,210.00							
1361C-114		Fab, Test & Deliver Coil #14	1		10JUN08*	10JUN08	10JUN08	338		0.00	47,210.00							
1361C-115		Fab, Test & Deliver Coil #15	1		03JUL08*	03JUL08	03JUL08	337		0.00	47,220.00							
1361C-116		Fab, Test & Deliver Coil #16	1		28JUL08*	28JUL08	28JUL08	337		0.00	47,220.00							
1361C-117		Fab, Test & Deliver Coil #17	1		20AUG08*	20AUG08	20AUG08	336		0.00	47,220.00							
1361C-118		Fab, Test & Deliver Coil #18	1		12SEP08*	12SEP08	12SEP08	336		0.00	47,220.00							
1351-195X	3	ALL TF COILS DELIVERED	0			12SEP08	18SEP08	336		0.00	0.00							
<b>FY07 Rebaseline Exercise</b>																		
ECP53RBX03		FY07 Rebaseline exercise	22*		01MAY07A	31MAY07A	31MAY07A		100	1,393.84	1,393.84							
<b>99.07X</b>																		
		Retroactive MHX exclusion	22*		01MAY07A	31MAY07A	31MAY07A		100	-38,281.20	-38,281.20							
<b>Job: 1302 - PF Design -KALISH</b>																		
<b>FY07 Rebaseline Exercise</b>																		
ECP53RBX02		FY07 Rebaseline exercise	22*		01MAY07A	31MAY07A	31MAY07A		100	4,529.98	4,529.98							
<b>1302-200</b>																		
		Complete PF Coil SRD	6		03DEC07*	13DEC07	28AUG07	42	50	2,229.12	4,458.24							
<b>1302-205</b>																		
		Update PF Analysis	87*		06AUG07A	07DEC07	24OCT07	41	40	11,537.68	28,844.20							
<b>1302-210</b>																		
		Update PF Coil SDD	40		12SEP07A	29JAN08	21DEC07	41	50	2,208.21	4,416.41							
<b>1302-211</b>																		
		Complete PF4 PDR Model	97*		30JUL07A	14DEC07	26SEP07	44	90	12,954.87	14,394.30							
<b>1302-212</b>																		
		Complete PF5 PDR Model	91*		07AUG07A	14DEC07	24OCT07	44	90	12,985.26	14,428.07							
<b>1302-213</b>																		
		Complete PF6 PDR Model	91*		07AUG07A	14DEC07	21NOV07	44	90	12,985.26	14,428.07							
<b>1302-251</b>																		
		PDR Level Design Support	91*		07AUG07A	14DEC07	23NOV07	1,196	20	2,164.21	10,821.05							
<b>1302-220</b>																		
		Prepare for PDR	8		05DEC07	14DEC07	07DEC07	44		0.00	16,346.88							
<b>1302-225</b>																		
	3	PF Coils - PDR	1	R	14DEC07	14DEC07	11DEC07	44		0.00	2,972.16							
<b>1302-240</b>																		
		Disposition PDR Chits	6		17DEC07	02JAN08	17JAN08	44		0.00	4,458.24							
<b>1302-214</b>																		
		Prepare,Review & Approve conductor spec	16		03JAN08	24JAN08	29JAN08	44		0.00	2,972.16							
<b>1302-216</b>																		
		Prepare,Review & Approve coil spec	16		03JAN08	24JAN08	26FEB08	44		0.00	8,916.48							
<b>1302-235</b>																		
		Detail Drawings PF4	25		14DEC07	28JAN08	17JAN08	42		0.00	14,860.80							
<b>1302-245</b>																		
		Detail Drawings PF5	25		14DEC07	28JAN08	14FEB08	42		0.00	14,860.80							



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY			
												FY08	FY09	FY10	FY11
1302-260		Detail Drawings PF6	25		14DEC07	28JAN08	13MAR08	42		0.00	14,860.80				
1302-250		Analysis Support	25		14DEC07	28JAN08	13MAR08	42		0.00	13,003.20				
1302-217		Drawing Support	25		14DEC07	28JAN08	13MAR08	42		0.00	11,145.60				
1302-218		PF Stress Analysis with leads	20		17DEC07*	22JAN08	31JAN08	46		0.00	22,291.20				
1302-265		Prepare for FDR	15		16JAN08*	05FEB08	20MAR08	36		0.00	19,319.04				
1302-270	3	PF Coils - FDR	0	R		05FEB08	24MAR08	36		0.00	0.00				
1302-275		Resolve FDR Chits	10		06FEB08	19FEB08	21APR08	154		0.00	14,860.80				
<b>Job: 1352 - PF Coil Procurement-KALISH</b>															
<b>PF Coil Fabrication</b>															
141-035		Bid & Award PF Coil Fabrication	58		06FEB08	25APR08	27MAY08	36		0.00	35,811.60				
141-036	2	PF Coils Awarded	0			25APR08	27MAY08	36		0.00	0.00				
141-037		Bid & Award Conductor	25		28MAR08	01MAY08	27MAY08	102		0.00	8,916.48				
141-038	3	PF Conductor Awarded	0			01MAY08*	27MAY08*	102		0.00	0.00				
141-038.1		PF Conductor Delivery	65		02MAY08	04AUG08	27AUG08	102		0.00	149,635.20				
141-039		Bid & Award Materials	25		27JUN08	01AUG08	01AUG08	58		0.00	8,916.48				
141-040		PF Materials Awarded	0			01AUG08*	01AUG08*	58		0.00	0.00				
1352-100		Materials Delivery PF 4,5,6	45		04AUG08	06OCT08	06OCT08	58		0.00	178,529.66				
1352-121		Design/Fab Tooling for PF 5	80		28APR08	19AUG08	18SEP08	36		0.00	280,747.50				
1352-122		Design/Fab Tooling for PF 6	80		28APR08	19AUG08	17NOV08	81		0.00	328,102.50				
1352-120		Tooling for PF 4	55		25JUL08*	10OCT08	10OCT08	54		0.00	74,072.29				
1352-150		Fabricate/Dlvr PF 4 lower	35		13OCT08	02DEC08	02DEC08	54		0.00	21,125.10				
1352-151		Fabricate/Dlvr PF 4 upper	45		03DEC08	12FEB09	12FEB09	405		0.00	21,125.10				
1352-165		Fabricate/Dlvr PF 5 Lower	45		20AUG08	22OCT08	20NOV08	36		0.00	72,965.95				
1352-145		Fabricate/Dlvr PF 6 Lower	45		23OCT08	06JAN09	04FEB09	36		0.00	86,654.95				
1352-166		Fabricate/Dlvr PF 5 Upper	35		07JAN09	24FEB09	25MAR09	362		0.00	74,148.05				
1352-146		Fabricate/Dlvr PF 6 Upper	35		25FEB09	14APR09	13MAY09	362		0.00	86,654.95				
141-031		Title III engr WBS 132	241		02MAY08	21APR09	14MAY09	863	LOE	0.00	148,047.04				
141-900		PF4 Lower Inspection & Test	5		03DEC08	09DEC08	09DEC08	54		0.00	3,561.30				
141-900A		PF4 Upper Inspection & Test	5		13FEB09	19FEB09	19FEB09	405		0.00	3,561.30				
141-901		PF5 Lower Inspection & Test	5		23OCT08	29OCT08	01DEC08	81		0.00	3,561.30				
141-902		PF6 Lower Inspection & Test	5		07JAN09	13JAN09	11FEB09	36		0.00	3,561.30				
141-905		PF5 Upper Inspection & Test	5		25FEB09	03MAR09	01APR09	397		0.00	3,561.30				
141-906		PF6 Upper Inspection & Test	5		15APR09	21APR09	20MAY09	362		0.00	3,561.30				
141-903		Refurbish PF 1a	20		18FEB10*	17MAR10	17MAR10	101		0.00	6,820.80				
141-904		Assemble PF1a and CS structure	30		18MAR10	28APR10	28APR10	101		0.00	21,550.00				
<b>Job: 1354 - Trim Coil Design &amp; Procurement-KALISH</b>															
<b>Trim Coil **Updated estimate**</b>															
TRIM-010		Peer Review of Requirements	1		01NOV07A	30NOV07A				1,486.08	1,486.08				



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY			
												FY08	FY09	FY10	FY11
TRIM-020		Trim Coil System Requirements Document	10		17DEC07*	08JAN08		-3		0.00	4,458.24				
TRIM-030		Review and Approve SRD	5		09JAN08	15JAN08		55		0.00	0.00				
TRIM-040		Complete Trim Coil Magnetics Analysis	10		09JAN08*	22JAN08		-3		0.00	11,145.60				
TRIM-050		Complete Trim Coil Cooling Analysis	10		23JAN08	05FEB08		-3		0.00	11,145.60				
TRIM-060		Modify PF Coil Structures	5		09JAN08	15JAN08		-3		0.00	7,430.40				
TRIM-070		Complete Layout of Trim Coils	65		13DEC07*	21MAR08		14		0.00	78,019.20				
TRIM-071		Complete Layout of Structure Interface	65		16JAN08	15APR08		-3		0.00	78,019.20				
TRIM-080		Stress Analysis of Coil and Structure	50		06FEB08*	15APR08		-3		0.00	46,068.48				
TRIM-090		Prepare for PDR	7		07APR08	15APR08		-3		0.00	11,888.64				
TRIM-100		Trim Coil PDR	1		16APR08	16APR08		-3		0.00	2,229.12				
TRIM-101	3	** Trim Coil PDR **	0			16APR08		-3		0.00	0.00				
TRIM-110		Procure Trim Coil Insulation	50		17APR08	26JUN08		90		0.00	54,818.28				
TRIM-130		Prepare Conductor Procurement Spec	3		17APR08	21APR08		32		0.00	3,715.20				
TRIM-140		Review and Approve Conductor Spec.	5		22APR08	28APR08		32		0.00	0.00				
TRIM-120		Procure Trim Coil Conductor	100		29APR08	18SEP08		32		0.00	25,571.40				
TRIM-170		Complete Trim Coil Detailed Drawings	15		17APR08	07MAY08		-3		0.00	29,721.60				
TRIM-180		Fabricate Trim Coil MockUps	20		08MAY08	05JUN08		105		0.00	6,435.04				
TRIM-190		Use Mockup to Spot Bracket Locations	60		06JUN08	29AUG08		105		0.00	2,767.84				
TRIM-200		Complete Trim Coil Structure Detail	10		08MAY08	21MAY08		-3		0.00	19,319.04				
TRIM-210		Prepare for FDR	7		22MAY08	02JUN08		-3		0.00	11,888.64				
TRIM-220		Trim Coil + Structure FDR	1		03JUN08	03JUN08		-3		0.00	2,229.12				
TRIM-221	3	** Trim Coil + Structure FDR **	0			03JUN08		-3		0.00	0.00				
TRIM-230		Resolve Chits	5		04JUN08	10JUN08		-3		0.00	4,458.24				
TRIM-150		Prepare Trim Coil Procurement Spec.	10		17APR08	30APR08		7		0.00	8,916.48				
TRIM-160		Approve Procurement Spec	5		01MAY08	07MAY08		7		0.00	0.00				
TRIM-240		Trim Coil Procurement	25		11JUN08	16JUL08		-3		0.00	17,832.96				
TRIM-250		AWARD TRIM COIL PROCUREMENT	0			16JUL08		-3		0.00	0.00				
TRIM-260		Vendor Design and Fixture Fabrication	80		17JUL08	06NOV08		-3		0.00	402,414.78				
TRIM-270		Fabricate Trim Coils for FPA #1	45		07NOV08	21JAN09		-3		0.00	144,031.38				
TRIM-275		Fabricate Trim Coils for FPA #2	45		22JAN09	25MAR09		-3		0.00	129,672.38				
TRIM-280		Fabricate Trim Coils for FPA #3	45		26MAR09	28MAY09		-3		0.00	62,671.13				
TRIM-290		Procure Material for Structure	40		04JUN08	30JUL08		97		0.00	7,430.40				
TRIM-300		Fabricate Brackets for 1st FPA	30		31JUL08	11SEP08		97		0.00	113,835.72				
TRIM-303		Fabricate Brackets for 2nd FPA	30		12SEP08	23OCT08		145		0.00	116,254.98				
TRIM-306		Fabricate Brackets for 3rd FPA	30		24OCT08	08DEC08		145		0.00	119,525.53				
TRIM-310		Install TC Brackets on Modular Coils 1st FPA	1	2	12SEP08	12SEP08		97		0.00	38,683.77				
TRIM-311		Install TC Brackets on Modular Coils 2nd	1	2	24OCT08	24OCT08		166		0.00	39,818.57				
TRIM-312		Install TC Brackets on Modular Coils 3rd	1	2	09DEC08	09DEC08		145		0.00	39,818.57				

H kalish =24hr ;  
 I  
 I brooks =60hr ;  
 I brooks =60hr ;  
 I RUSHINSKI =40hr ;  
 I kalish =100hr ; RUSHINSKI=160hr ; CRUIKSHANK=160  
 I kalish =100hr ; RUSHINSKI=160hr ; CRUIKSHANK=160  
 I DAHLGREN=120hr ; RUSHINSKI =128hr ; CRUIKSHANK=0  
 I kalish =40hr ; RUSHINSKI =12hr ; CRUIKSHANK=12  
 I kalish =08hr ; RUSHINSKI =04hr ;  
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 I 41=42\$ ;  
 I kalish =16hr ; RUSHINSKI =04hr ;  
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 I 41=20\$ ;  
 I kalish =32hr ; RUSHINSKI =114hr ; CRUIKSHANK=14  
 I EM/TB =64hr ; 41=01\$ ;  
 I kalish =08hr ; EM/TB =16hr ;  
 I DAHLGREN =40hr ; RUSHINSKI =64hr ; CRUIKSHANK=0  
 I kalish =40hr ; RUSHINSKI =12hr ; CRUIKSHANK=12  
 I kalish =08hr ; RUSHINSKI=04hr ;  
 I  
 I kalish =24hr ;  
 I kalish =40hr ; RUSHINSKI =08hr ;  
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 I kalish =80hr ; RUSHINSKI =16hr ;  
 I  
 I 41=300.75\$ ;  
 I 41=42\$ ; 48=81.88\$ ;  
 I 48=123.38\$ ;  
 I 48=60\$ ;  
 I CHRZANOWSKI =40hr ;  
 I CHRZANOWSKI =20hr ; 41=84.19\$ ;  
 I CHRZANOWSKI =10hr ; 41=84.19\$ ;  
 I CHRZANOWSKI =10hr ; 41=84.19\$ ;  
 I EM/TB =411hr ; CHRZANOWSKI =31hr ;  
 I EM/TB =411hr ; CHRZANOWSKI =31hr ;  
 I EM/TB =411hr ; CHRZANOWSKI =31hr ;

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year				
												FY08	FY09	FY10	FY11	
TRIM-320		Install Trim Coils On 1st FPA	1	2	22JAN09	22JAN09		12		0.00	64,721.49					
TRIM-330		Install Trim Coils On 2nd FPA	1	2	26MAR09	26MAR09		0		0.00	64,721.49					
TRIM-340		Install Trim Coils On 3rd FPA	1	2	29MAY09	29MAY09		-3		0.00	64,721.49					
TRIM-399		Title III support & oversight	231		17JUL08	19JUN09		821		0.00	116,861.81					
<b>Job: 6401 - PFC/VV Htng/Cooling(bakeout)- KALISH</b>																
<b>X</b>																
6401-000		Bakeout Sys- Requirements Definition	40		06APR09*	01JUN09	01JUN09	93		0.00	15,296.80					
6401-001		Bakeout Sys-Preliminary Design	40		02JUN09*	28JUL09	28JUL09	93		0.00	43,874.32					
6401-002		Bakeout Sys-PDR	1	R	29JUL09*	29JUL09	29JUL09	93		0.00	1,529.68					
6401-004		Bakeout Sys- EA Analysis	30		30JUL09	10SEP09	10SEP09	93		0.00	30,593.60					
6401-005		Bakeout Sys-Final Design	40		11SEP09*	05NOV09	05NOV09	93		0.00	44,844.12					
6401-009		Bakeout Sys-FDR	1	R	06NOV09*	06NOV09	06NOV09	93		0.00	1,581.68					
6401-010		Bakeout Sys-Procure Piping & Equip	65		09NOV09*	19FEB10	19FEB10	93		0.00	236,552.08					
6401-013		Assemble & Install	65		22FEB10*	21MAY10	21MAY10	93		0.00	169,667.40					
6401-017		Bakeout Sys- ACC Review	10		24MAY10*	07JUN10	07JUN10	93		0.00	11,318.80					
6401-020		Bakeout Sys-PTP Testing	10		08JUN10*	21JUN10	21JUN10	93		0.00	18,139.60					
<b>Lyon</b>																
<b>Job: 8102 - NCSX MIE Management ORNL-LYON</b>																
<b>X</b>																
810.104X		Project Management Office ORNL FY07(LOE)	106*		01MAY07A	28SEP07A	28SEP07		LOE	60,420.00	60,420.00					
810.105X		Project Management Office ORNL FY08	249*		01OCT07A	29SEP08	29SEP08	1,000	LOE	27,507.00	159,000.00					
810.105Z		Project Management Office ORNL FY09	249		02OCT08*	01OCT09	01OCT09	423	LOE	0.00	160,000.00					
810.106X		Project Management Office ORNL FY10 (SA)	247		02OCT09	30SEP10	30SEP10	423	LOE	0.00	101,000.00					
810.106Z		Project Management Office ORNL FY11 (SA)	79*		01OCT10	31JAN11	31JAN11	423	LOE	0.00	18,960.00					
<b>Perry</b>																
<b>Job: 7301 - Platform Design &amp; Fab-PERRY</b>																
<b>X</b>																
711A.040		Platform nut plates	30		02OCT08	12NOV08	12NOV08	16		2,633.63	3,065.96					
712.020		Platform Parts	30		02OCT08	12NOV08	12NOV08	16		0.00	34,225.00					
712.030		Miscs Hardware/Material	40		18SEP08	12NOV08	12NOV08	16		0.00	22,031.60					
7301-100		Survey & layout locations for platform posts	10		30OCT08	12NOV08	12NOV08	16		0.00	25,252.80					
7301-102		Machine platform trial assembly & fitup	30		13NOV08*	06JAN09	06JAN09	16		0.00	119,740.80					

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY			
												FY08	FY09	FY10	FY11
<b>Job: 7401 - TC Prep &amp; Mach Assy Planning-PERRY</b>															
<b>Oversight and Supervision</b>															
1802ORNLFA		ORNL Title III final machine assy	535*		26JAN09	17MAR11	03JAN11	-53	LOE	0.00	382,519.43	ORNL EM =1670; ornl dm=835 travel=12			
714.030		LOE Start of assy through thru completion	535*	LOE	26JAN09	17MAR11	03JAN11	-53	LOE	0.00	1,028,694.81	Perry 1.0 fte Langella 1.0 fte			
714.031		Additional supervision for 2nd shift	217*	2	19MAY10	17MAR11	03JAN11	-53	LOE	0.00	262,254.91	2nd shift supervision 1.0 fte			
<b>Job: 7401 - TC Prep &amp; Mach Assy Planning-PERRY</b>															
7401ACPWR		Prior ac pwr work reclassified as gpp	356		01MAY07A	31MAY07A	31MAY07A		LOE	-308,300.00	-308,300.00				
714.020		LOE Prior to assy starting	356*		01OCT07A	10MAR09	10MAR09	926	LOE	3,919.18	32,389.94	EM//EM =120hr ; EE//SM =90hr ;			
714.025		Update Final Assembly Plan	45		03OCT08*	08DEC08	08DEC08	30		0.00	26,480.00	EM//EM =160hr ;			
7502-001		Test Cell 110/208 outlets GPP SCOPE TO	65		15AUG08*	14NOV08	14NOV08	44		0.00	0.00				
<b>Job: 7501 - Construction Support Crew-PERRY</b>															
<b>General Assy Support</b>															
7501-06		Construction Support Crew for 2nd shift	217*	2	19MAY10	17MAR11	03JAN11	-53	LOE	0.00	449,220.90	Tool Crib Control em/tb=(.75 fte) Crane Operator & support em/tb= (1.0 fte) Forklift Operator & support em/tb= (1.0 fte)			
7501-05		Construction Support Crew during machine assy	557*		26JAN09	17MAR11	03JAN11	-53	LOE	0.00	964,733.15	Tool Crib Crane O Forklift O			
<b>Job: 7503 - Machine Assembly (station 6)-PERRY</b>															
7501-10		Fabricate/Assemble assembly structure	30	1	04DEC08	23JAN09	23JAN09	13		0.00	239,444.80	EM//EM =96hr ; EM//TB =960hr ; EM//SM =240hr ; 41=80\$K ;			
7501-10.1		Fab struct to go between assy sleds&FPA's	20	1	04DEC08	09JAN09	09JAN09	23		0.00	239,444.80	41=80; EM//EM=96 EM//SM=240EM//TB=960			
7501-10.2		Assemble 3 FPA support stands	15	1	12NOV08*	04DEC08	04DEC08	12		0.00	63,842.40	EM//EM=48 EM//SM=120 EM//TB=480			
7501-10.3		Assemble 3 VV spool piece support stands	10	1	05DEC08	18DEC08	18DEC08	12		0.00	42,561.60	EM//EM=32 EM//SM=80 EM//TB=320			
7501-10.4		Assemble machine base structure	10	1	19DEC08	12JAN09	12JAN09	12		0.00	42,561.60	EM//EM= 32 EM//SM=80 EM//TB=320			
7501-10.4M	2	Complete Base Support Structure Assembly	0	1		12JAN09	12JAN09	12		0.00	0.00				
7501-10.5		Assemble 3 FPA installation carts	10	1	13JAN09	26JAN09	26JAN09	12		0.00	42,561.60	EM//EM=32 EM//SM= 80 EM//TB=320			
7501-10.6		Fab 3 laser support poles	30	1	20NOV08*	13JAN09	13JAN09	70		0.00	73,108.80	41=24; EM//TB=480			
7501-10.7		Fab 3 concrete blocks for testing assy struct	12	1	14JAN09	29JAN09	29JAN09	70		0.00	44,288.32	41=18 ;EM//EM=20 EM//TB=192			
7503-010		Begin Assembly Activities	0	1	26JAN09*			3		0.00	0.00				
7503-020		Install Permanent support base and columns	10	1	26JAN09	06FEB09	06FEB09	3		0.00	67,371.00	EA//EM =60hr ; EM//TB =480hr ; EM//SM =120hr ;			
7503-015		Install Temp Assembly Structure	15	1	09FEB09	27FEB09	27FEB09	3		0.00	95,763.60	EM//EM =72hr ; EM//SM =180hr ; EM//TB =720hr ;			
7503-060		Install Lower PF 4,5&6 into prelim position	1	1	02MAR09	02MAR09	02MAR09	3		0.00	4,814.40	EM//SM =16hr ; EM//TB =32hr ;			
7503-070		Install 3 Spool Pieces on fixt & test movement	10	1	03MAR09	16MAR09	16MAR09	3		0.00	51,510.80	EA//EM =40hr ; EM//TB =320hr ; EM//SM =80hr ; EM//TB =80hr ;			
7501-10.9		Install test cell metrology site monuments &	20	1	17MAR09	13APR09	13APR09	3		0.00	85,123.20	Metrr=640;EM//EM=64 EM//TB=160			
7501-10.10		Test TC floor deflections with concrete block	15	1	14APR09	04MAY09	04MAY09	3		0.00	73,737.60	Metrr=120;EM//EM=48 EM//SM=120 EM//TB			
7501-10.8		Exercise assy struc with concrete blocks &	20	2	05MAY09	02JUN09	02JUN09	3		0.00	109,528.00	EM//EM=80EM//SM=320 EM//TB=640			

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year				
												FY08	FY09	FY10	FY11	
7503-080A		FPA-1 Installation and assembly test	20	1	06AUG09	02SEP09	30JUN09	-42		0.00	135,915.20					Metrr=320;EM/EM=80EM/SM=320 E
7503-080		FPA-1 Installed on sleds	0	1		02SEP09	30JUN09	-42		0.00	0.00					▼
7501-11		Exercise assy struc w/FPA-1 before start of	40	1	03SEP09	29OCT09	26AUG09	-42		0.00	138,339.02					EM/EM =80hr ; EM/TB =640hr ; EM/SM =320hr ; EM/TB =320hr ;
7503-415.7		Measure vsl gaps to determ spool piece	18	1	30OCT09	24NOV09	22SEP09	-42		0.00	81,495.36					EA/EM =288hr ; mtrology =288hr ;
7503-415.0		Spool piece installation test	20	1	25NOV09	05JAN10	20OCT09	-42		0.00	140,532.00					41=45\$K ; EM/EM =12hr ;
7503-416.1		Machine Flange A & B of Spool Piece 1	30	1	06JAN10	16FEB10	03DEC09	-42		0.00	44,329.04					41=30\$K ; EM/EM =8hr ;
7503-416.2		Machine Flange A & B of Spool Piece 2	30	1	17FEB10	30MAR10	26JAN10	-42		0.00	44,329.04					41=30\$K ; EM/EM =8hr ;
7503-416.3		Machine Flange A & B of Spool Piece 3	30	1	31MAR10	11MAY10	09MAR10	-42		0.00	44,329.04					41=30\$K ; EM/EM =8hr ;
7503-110A		FPA-2 Installation and assembly test	20	1	23NOV09	22DEC09	02NOV09	-25		0.00	140,532.00					Metrr=320;EM/EM=80EM/SM=
7503-110		FPA-2 Installed on sleds	0	1		22DEC09	02NOV09	-25		0.00	0.00					▼
7503-150A		FPA-3 Installation and assembly test	20	1	11FEB10	10MAR10	15DEC09	-53		0.00	140,532.00					Metrr=320;EM/EM=80EM/SM=320 EM/TB=40
7503-150	2	FPA-3 Installed on sleds	0	1		10MAR10	15DEC09	-53		0.00	0.00					▼
7503-120		Test movement of FPA's incl position	5	1	11MAR10	17MAR10	22DEC09	-53		0.00	26,630.20					EA/EM =20hr ; EM/TB =160hr ; EM/SM =40hr ; EM/TB =40hr ;
7503-400		Install inboard and outboard shims	6	1	18MAR10	25MAR10	11JAN10	-53		0.00	95,147.05					41=36\$K ; EA/EM =20hr ; EM/EM =29hr ; EM/SM =72hr ; EM/TB =288hr ;
7503-402		Move all FPA's together, chk fitup,tack shims	6	1	26MAR10	02APR10	19JAN10	-53		0.00	46,323.37					EA/EM =20hr ; EM/EM =29hr ; EM/SM =72hr ; EM/TB =288hr ; metrology=32
7503-404		Weld inboard shims on mating flanges	6	1	05APR10	12APR10	27JAN10	-53		0.00	43,595.05					EA/EM =20hr ; EM/EM =29hr ; EM/SM =72hr ; EM/TB =288hr ;
7503-406		Install TF coils at ends of each FPA	6	1	13APR10	20APR10	04FEB10	-53		0.00	27,211.20					EM/TB =48hr ; EM/SM =48hr ; EM/TB =192hr ;
7503-410		Install spacer supports and spacers	2	1	21APR10	22APR10	08FEB10	-53		0.00	7,706.24					EM/SM =16hr ; EM/TB =64hr ;
7503-412		Move FPA's & spacers together/chk fitup	6	1	23APR10	30APR10	16FEB10	-53		0.00	25,847.04					EM/SM =48hr ; EM/TB =192hr ;
7503-412M	2	Move FPA's & spacers together/chk fitup	0	1		30APR10	16FEB10	-53		0.00	0.00					▼
7503-414		Remove Spacers & Machine spacers to fit	4	1	03MAY10	06MAY10	22FEB10	-53		0.00	5,456.64					EM/TB =64hr ;
7503-415		Re-install spacers	2	1	07MAY10	10MAY10	24FEB10	-53		0.00	7,706.24					EM/SM =16hr ; EM/TB =64hr ;
7503-160		Position all FPA's / Spool Pieces @ MC	6	1	11MAY10	18MAY10	04MAR10	-53		0.00	31,956.24					EA/EM =24hr ; EM/TB =192hr ; EM/SM =48hr ; EM/TB =48hr ;
7503-090		Install local Platforms around FPA-1	2	2	19MAY10	20MAY10	08MAR10	-53		0.00	15,412.48					EM/TB =128hr ; EM/SM =32hr ;
7503-130		Install local Platforms around FPA-2	2	2	21MAY10	24MAY10	10MAR10	-53		0.00	15,412.48					EM/TB =128hr ; EM/SM =32hr ;
7503-190		Install local Platforms around FPA-3	2	2	25MAY10	26MAY10	12MAR10	-53		0.00	15,412.48					EM/TB =128hr ; EM/SM =32hr ;
7503-415.5		MC Interface:meas holes/mark bushings	3	1	19MAY10	21MAY10	09MAR10	-53		0.00	11,559.36					EM/SM =24hr ; EM/TB =96hr ;
7503-415.6		drill eccentric custom holes in bushings	3	1	24MAY10	26MAY10	12MAR10	-53		0.00	20,151.36					EM/SM =24hr ; EM/TB =96hr ; 41=6\$K ;
7503-416		Position Spool pieces and Bolt MC flanges	9	2	27MAY10	09JUN10	25MAR10	-53		0.00	39,640.85					EM/EM =29hr ; EM/SM =72hr ; EM/TB =288hr ;
7503-417		Retorque all super nuts after 30 days	6	2	12JUL10	19JUL10	03MAY10	-53		0.00	79,281.70					EM/EM =29hr ; EM/SM =72hr ; EM/TB =288hr ;
7503-418		Raise permanent supports to take machine	8	2	10JUN10	21JUN10	06APR10	-50		0.00	114,363.36					EM/TB =180hr ; EM/EM =72hr ; EM/SM =180hr ; EM/TB =720hr ;
7503-419		Remove temporary assy structure	1	2	22JUN10	22JUN10	07APR10	-50		0.00	11,559.36					EM/SM =24hr ; EM/TB =96hr ;
7503-419.1		Install/Level FPA's and spool piece supports	15	2	23JUN10	14JUL10	28APR10	-50		0.00	159,781.20					EA/EM =120hr ; EM/TB =240hr ; EM/SM =240hr ; EM/TB =960hr ;
7503-419.2		FPA Metrology checks to assure alignment	3	2	20JUL10	22JUL10	06MAY10	-53		0.00	14,729.20					EA/EM =40hr ; EM/TB =40hr ; EM/TB =40hr ;
7503-420		Mate-up and Weld spacers onto vvs	15	2	23JUL10	12AUG10	27MAY10	-53		0.00	171,865.20					EM/TB =180hr ; EM/SM =240hr ; EM/TB =1,440hr ;

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year			
												FY08	FY09	FY10	FY11
7503-422		Weld all six port 4's in place	15	2	13AUG10	02SEP10	18JUN10	-53		0.00	91,810.80				
7503-422.1		Install E-Beam mapping & diag equipt	5	2	03SEP10	10SEP10	25JUN10	-53		0.00	45,376.40				
7503-240		Install Vacuum pumping system	3	2	03SEP10	08SEP10	23JUN10	-51		0.00	19,265.60				
7503-250	2	Begin Vac Vsl Pumpdown	0	2		10SEP10	25JUN10	-53		0.00	0.00				
7503-260		PTP Pumpdown & leak check VV	8	2	13SEP10	22SEP10	08JUL10	-53		0.00	57,796.80				
7503-424		Install TF alignment & traction ring	4	2	23SEP10	28SEP10	14JUL10	-53		0.00	40,467.27				
7503-426		Pull TF coil radially inward. Verify nose fit up	5	2	29SEP10	05OCT10	21JUL10	-53		0.00	41,293.01				
7503-428		Lock TF coils at four support locations	4	2	06OCT10	11OCT10	27JUL10	-53		0.00	41,843.49				
7503-430		Install MC structure insulation boots port 4's	5	2	12OCT10	18OCT10	03AUG10	-53		0.00	39,841.60				
7503-431		Seal gaps MC shims, cooling tubes, for insul	10	2	19OCT10	01NOV10	17AUG10	-53		0.00	79,683.20				
7503-432		Fill MC/VVSA annulus with pourable aerogel	1	2	02NOV10	02NOV10	18AUG10	-53		0.00	7,968.32				
7503-433.1		Install LN2 manifolds	5	2	03NOV10	09NOV10	25AUG10	-37		0.00	39,841.60				
7503-434		Instl in-cryostat cabling for elect pwr to coils	8	2	03NOV10	12NOV10	30AUG10	-53		0.00	53,947.20				
7503-436		Connect cabling, and I&C to MC & TF Coils	8	2	15NOV10	24NOV10	10SEP10	-53		0.00	53,947.20				
7503-439		Complete mag diag & machine I&C	5	2	29NOV10	03DEC10	17SEP10	-53		0.00	51,472.00				
7503-438		Align guide mechanism for solenoid installation	1	2	06DEC10	06DEC10	20SEP10	-53		0.00	7,819.94				
7503-444		Install solenoid support structure	1	2	07DEC10	07DEC10	21SEP10	-53		0.00	7,148.43				
7503-440		Install solenoid assembly	1	2	08DEC10	08DEC10	22SEP10	-53		0.00	7,148.43				
7503-442		Connect cabling, LN2 and I&C to solenoid	1	2	09DEC10	09DEC10	23SEP10	-53		0.00	3,984.16				
7503-446		Install PF4L	1	2	10DEC10	10DEC10	24SEP10	-53		0.00	3,984.16				
7503-448		Connect cabling, LN2 and I&C to PF4L	1	2	13DEC10	13DEC10	27SEP10	-53		0.00	3,984.16				
7503-450		Adjust spring compression in solenoid sprt	1	2	14DEC10	14DEC10	28SEP10	-53		0.00	3,984.16				
7503-451		Raise lower PF 5&6 coils into final position	3	2	15DEC10	17DEC10	01OCT10	-53		0.00	28,811.28				
7503-452		Instl Upper PF 4, 5 & 6	3	2	20DEC10	22DEC10	06OCT10	-53		0.00	28,811.28				
7503-330	2	Begin Cryostat Installation	0	2		22DEC10	06OCT10	-53		0.00	0.00				
7503-454		Install cryostat base, vapor barrier port	5	2	23DEC10	06JAN11	13OCT10	-53		0.00	39,841.60				
7503-456		Install elec pwr, LN2, & instr feedthrus	3	2	07JAN11	11JAN11	18OCT10	-53		0.00	19,920.80				
7503-458		Integrated Electrical testing	5	2	12JAN11	18JAN11	25OCT10	-53		0.00	53,997.60				
7503-458M	2	Complete Power System Pre-ops Tests	0	2		18JAN11	25OCT10	-53		0.00	0.00				
7503-460		Instl transition box, cabling, & connect to pwr	5	2	19JAN11	25JAN11	01NOV10	-19		0.00	39,841.60				
7503-462		LN2 connections from coils to manifolds	5	2	19JAN11	25JAN11	01NOV10	-45		0.00	39,841.60				
7503-464		Connect coil & VV instrumentation	5	2	19JAN11	25JAN11	01NOV10	-53		0.00	39,841.60				
7503-466		Connect 150C bakeout	3	2	26JAN11	28JAN11	04NOV10	-53		0.00	19,920.80				
7503-470		Install cryostat cooling syst &	10	2	07FEB11	18FEB11	29NOV10	-53		0.00	159,366.40				

EM/TB =60hr ; EM/SM =180hr ;  
EM/TB =720hr ;

EM//EM =40hr ; EM//SM =80hr ;  
EM//TB =320hr ;

EM/SM =40hr ; EM//TB =160hr ;

\*\*\*\*\*  
PUMP DOWN OF VACUUM VESSEL  
DOE LEVEL 2 MILESTONE  
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EM//SM =120hr ; EM//TB =480hr ;

EA//EM =13hr ; EM//TB =67hr ;  
EM//SM =67hr ; EM//TB =267hr ;

EA//EM =13hr ; EM//TB =67hr ;  
EM//SM =67hr ; EM//TB =267hr ;

EA//EM =13hr ; EM//TB =67hr ;  
EM//SM =67hr ; EM//TB =267hr ;

EM//SM =80hr ; EM//TB =320hr ;

EM//SM =160hr ; EM//TB =640hr ;

EM//SM =16hr ; EM//TB =64hr ;

EM//SM =80hr ; EM//TB =320hr ;

EM//SM =80hr ; EM//TB =480hr ;

EM//SM =80hr ; EM//TB =480hr ;

EM//SM =160hr ; EM//TB =320hr ;

EA//EM =06hr ; EM//TB =12hr ;  
EM//SM =12hr ; EM//TB =43hr ;

EA//EM =05hr ; EM//TB =10hr ;  
EM//SM =10hr ; EM//TB =43hr ;

EA//EM =05hr ; EM//TB =10hr ;  
EM//SM =10hr ; EM//TB =43hr ;

EM//SM =08hr ; EM//TB =32hr ;

EM//SM =08hr ; EM//TB =32hr ;

EM//SM =08hr ; EM//TB =32hr ;

EA//EM =24hr ; EM//SM =48hr ;  
EM//TB =192hr ;

EA//EM =24hr ; EM//SM =48hr ;  
EM//TB =192hr ;

\*\*\*\*\*  
BEGIN CRYOSTAT INSTALLATION  
DOE LEVEL 2 MILESTONE  
\*\*\*\*\*

EM//SM =80hr ; EM//TB =320hr ;

EM//SM =40hr ; EM//TB =160hr ;

EM//EM =80hr ; EM//SM =80hr ;  
EM//TB =320hr ;

EM//SM =80hr ; EM//TB =320hr ;

EM//SM =80hr ; EM//TB =320hr ;

EM//SM =40hr ; EM//TB =160hr ;

EM//SM =320hr ; EM//TB =1,280hr ;

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
7503-471		Install cryostat upper section, VB & port	5	2	21FEB11	25FEB11	06DEC10	-53		0.00	39,841.60					EM//SM =80hr ; EM//TB =320hr ;
7503-472		Install midplane cryostat sections & port	8	2	28FEB11	09MAR11	16DEC10	-53		0.00	59,762.40					EM//SM =120hr ; EM//TB =480hr ;
7503-473		Install cryostat circulation duct	3	2	10MAR11	14MAR11	21DEC10	-53		0.00	19,920.80					EM//SM =40hr ; EM//TB =160hr ;
730.8200		PTP and Cool down	3	2	15MAR11	17MAR11	03JAN11	-53		0.00	68,103.20					EM//EM =80hr ; EM//SM =80hr ; EM//TB =480hr ;
730.8200M	2	Cooldown of Machine	0	2		17MAR11	03JAN11	-53		0.00	0.00					
<b>Job: 7601 - Tooling Design &amp; Fabrication-PERRY</b>																
<b>FY07 Rebaseline Exercise</b>																
713.020		Lab Fab/Assy/Installation	348		26JAN09*	15JUN10	15JUN10	154		0.00	31,010.80					EM//EM =80hr ; EM//SM =140hr ;
713.030		Tooling,assy fixtures,misc equipt	348		26JAN09*	15JUN10	15JUN10	154		0.00	84,863.97					41=60\$k ;
713.040		General procurements	348		26JAN09*	15JUN10	15JUN10	154		0.00	63,647.97					41=45\$k ;
713.050		Welding tools, materials & equipt	348		26JAN09*	15JUN10	15JUN10	154		0.00	113,151.95					41=80\$k ;
713.060		Torque wrenches and multipliers	348		26JAN09*	15JUN10	15JUN10	154		0.00	119,883.90					41=80\$k ; EM//EM =40hr ;
<b>Job: 8215 Plant Design</b>																
<b>FY07 Rebaseline Exercise</b>																
8210-07		Update plant model	19		03DEC07	07JAN08	28SEP07	1,187		0.00	16,024.40					EM//EM =40hr ; EA//SB =80hr ;
8210-08		Plant Design FY08	826*		01OCT07A	31JAN11	31JAN11	423	LOE	5,497.39	105,719.02					EM//EM = EM//SM =.
<b>Raftopolous</b>																
<b>Job: 1701 - Cryostat Design-RAFTOPOLOUS</b>																
<b>X</b>																
1701-100		Cryostat- Conceptual Design	65		01OCT08*	12JAN09	12JAN09	55		0.00	15,888.00					EM//EM =96
1701-101		Cryostat- Preliminary Design	70		21JAN09	28APR09	28APR09	49		0.00	73,446.84					EM//EM =144hr ; EA//SB =402hr ;
1701-102		Cryostat- Stress analysis	43		27FEB09*	28APR09	28APR09	49		0.00	38,242.00					EA//EM=200
1701-103		Cryostat- Joint R&D	10		15APR09*	28APR09	28APR09	49		0.00	3,298.40					EM//TB=40
1701-121		Cryostat- PDR	1	R	29APR09	29APR09	29APR09	49		0.00	1,324.00					EM//EM =08hr ;
1701-131		Cryostat- Final Design	70		30APR09	07AUG09	07AUG09	49		0.00	73,446.84					EM//EM =144hr ; EA//SB =402hr ;
1701-141		Cryostat- FDR	1	R	10AUG09	10AUG09	10AUG09	49		0.00	1,324.00					EM//EM =08hr ;
<b>Job: 1751 - Cryostat Procurement-RAFTOPOLOUS</b>																
<b>X</b>																
1751-151		Cryostat- Procure Materials and Supplies	65		01OCT09*	13JAN10	13JAN10	122		0.00	174,575.12					41=121.908\$k ;
1751-161		Cryostat- Fabricate Components	65		14JAN10	14APR10	14APR10	122		0.00	88,670.40					EM//TB =800hr ; EMT//TB =240
1751-171		Cryostat- Title III	90		01OCT09	17FEB10	17FEB10	660	LOE	0.00	61,606.80					EM//EM =360hr ;
<b>Job: 6201 - Cryogenic Syst-RAFTOPOLOUS</b>																
<b>621 - LN2-LHe Supply System</b>																
<b>X</b>																
621-101		LN2 - LHe Supply-Preliminary Design	20		01OCT08*	28OCT08	28OCT08	221		0.00	9,256.72					EM//EM =44hr ; EA//SB =16hr ;
621-121		LN2 - LHe Supply-Final Design	20		29OCT08	25NOV08	25NOV08	222		0.00	10,244.08					EM//EM =44hr ; EA//SB =24hr ;

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY					
												FY08	FY09	FY10	FY11		
621-131		LN2 - LHe Supply-Procure Hardware &	65		01OCT09*	13JAN10	13JAN10	124		0.00	40,282.16					41=28.13\$K ;	
621-141		LN2 - LHe Supply-Fabricate & Assembly	35		14JAN10	03MAR10	03MAR10	124		0.00	20,272.00					EM/TB =160hr ;ee/tb=80	
621-151		LN2 - LHe Supply-Title III	100		01OCT09	03MAR10	03MAR10	124	LOE	0.00	7,529.72					EM/EM =44hr ;	
<b>622 - LN2 Coil Cooling Supply</b>																	
X																	
622-101		LN2 Coil Cooling Supply-Prelim Design	20		05JUN09*	02JUL09	28OCT08	54		0.00	10,984.60					EM/EM =44hr ; EA/SB =30hr ;	
622-121		LN2 Coil Cooling Supply-Final Design	20		06JUL09	31JUL09	25NOV08	55		0.00	10,984.60					EM/EM =44hr ; EA/SB =30hr ;	
622-131		LN2 Coil Cooling Supply-Procure Hardware	65		12AUG09*	11NOV09	11NOV09	144		0.00	22,398.49					41=15.85\$K ;	
622-141		LN2 Coil Cooling Supply-Assemble Skid	25		12NOV09	18DEC09	18DEC09	144		0.00	18,158.80					EM/TB =180hr ;em/sm=20	
622-151		LN2 Coil Cooling Supply-Relocate skid to	25		21DEC09	03FEB10	03FEB10	144		0.00	18,158.80					EM/TB =180hr ;em/sm=20	
622-161		LN2 Coil Cooling Supply-Title III	115		12AUG09	03FEB10	03FEB10	144	LOE	0.00	7,454.33					EM/EM =44hr ;	
<b>623 - GN2 Cryostat Cooling System</b>																	
X																	
623-100		GN2 Cryostat Cooling Sys Development	30		05JAN09*	13FEB09	13FEB09	122		0.00	87,993.60					em/em=160;ea/sb=160;em/tb=160;ee/em=16	
623-101		GN2 Cryostat Cooling Sys-Preliminary	30		16FEB09*	27MAR09	27MAR09	122		0.00	18,176.80					EM/EM =80hr ; EA/SB =40hr ;	
623-121		GN2 Cryostat Cooling Sys-Analysis	30		21MAY09*	02JUL09	29APR09	54		0.00	30,593.60					EA/EM =160hr ;	
623-141		GN2 Cryostat Cooling Sys-WBS 62/171 PDR	1	R	06JUL09	06JUL09	30APR09	54		0.00	1,324.00					EM/EM =08hr ;	
623-161		GN2 Cryostat Cooling Sys-Final Design	20		07JUL09	03AUG09	29MAY09	54		0.00	16,942.60					EM/EM =80hr ; EA/SB =30hr ;	
623-181		GN2 Cryostat Cooling Sys-WBS 62/171 FDR	1	R	11AUG09	11AUG09	11AUG09	49		0.00	1,324.00					EM/EM =08hr ;	
623-201		GN2 Cryostat Cooling Sys-Procure Hardware	88		12AUG09	16DEC09	16DEC09	49		0.00	144,346.32					41=101.785\$K ;	
623-221		GN2 Cryostat Cooling Sys-Assemble &	122		17DEC09	17JUN10	17JUN10	49		0.00	156,307.20					EM/TB =1,600hr ;ee/tb=240	
623-261		WBS 62/171 Cryo systems PTP	10		18JUN10	01JUL10	01JUL10	49		0.00	13,666.00					EM/EM =40hr ; EM/TB =80hr ;	
623-261M	2	Complete Cryo Systems Pre-ops Test	0			01JUL10	01JUL10	49		0.00	0.00						
623-262		GN2 Cryostat Cooling Supply-Title III	258		12AUG09	25AUG10	25AUG10	527	LOE	0.00	8,177.58					EM/EM =48hr ;	
<b>Ramakrishnan</b>																	
<b>Job: 4101 - AC Power-RAMAKRISHNAN</b>																	
<b>411 - Auxiliary AC Power Systems</b>																	
4101-100.1		Prepare Preliminary One line diagram	173		01OCT08*	12JUN09	12JUN09	37		0.00	1,390.80					EA/SB =06hr ; EE/EM =02hr ; EE/SM =02hr ;	
411-1-100		Ex-Test cell AC pwr-Reactiv.&new instl	210		02JAN09*	27OCT09	27OCT09	114		0.00	12,652.35					41=05\$K ; EA/SB =05hr ; EE/EM =08hr ; EE/SM =13hr ; EE/TB =21hr ;	
411-2-2		Grounding-Dsn	65		02JAN09*	02APR09	02APR09	87		0.00	32,604.96					EA/SB =160hr ; EE/EM =72hr ;	
411-2-4		Grounding-Procure	107		18AUG09*	28JAN10	28JAN10	70		0.00	14,218.60					41=10\$K ;	
411-2-6		Grounding-Install	43		29JAN10*	30MAR10	30MAR10	70		0.00	46,659.48					41=18\$K ; EE/EM =28hr ; EA/SB =56hr ; EE/TB =112hr ;	
411-2-8		Grounding-Commission	29		31MAR10*	10MAY10	10MAY10	70		0.00	16,166.80					EE/EM =24hr ; EA/SB =40hr ; EE/TB =80hr ;	
411-3-2		Test Cell AC Power Distr-Dsn**GPP**	90		02JAN09*	07MAY09	07MAY09	104		0.00	0.00						
411-3-4		TC AC Pwr	65		08MAY09	10AUG09	10AUG09	104		0.00	0.00						



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
411-3-6		Test Cell AC Power Distr-Install**GPP**	65		11AUG09	10NOV09	10NOV09	104		0.00	0.00					
411-3-8		Test Cell AC Power	45		11NOV09*	26JAN10	26JAN10	104		0.00	0.00					
<b>412 - Experimental AC Power Systems</b>																
412-1-2		C-site Pulsed AC Power Distr-Dsn	65		02MAR09*	01JUN09	01JUN09	46		0.00	4,832.00					
412-1-4		C-site Pulsed AC Power Distr-Procure	94*		18AUG09	11JAN10	11JAN10	37		0.00	7,102.29					
412-1-6		C-site Pulsed AC Power Distr-Install	40		12JAN10	08MAR10	08MAR10	37		0.00	11,553.36					
412-1-8		C-site Pulsed AC Power Distr-Commission	78		09MAR10	25JUN10	25JUN10	37		0.00	11,384.00					
4101ACPWR		Prior ac pwr work reclassified as gpp	356		01MAY07A	31MAY07A	31MAY07A	100		-104,100.00	-104,100.00					
<b>Job: 4301 - DC Systems-RAMAKRISHNAN</b>																
<b>431 - C-Site DC Systems</b>																
431-200		Condition/spare parts inventory	20		01OCT08*	28OCT08	28OCT08	387		0.00	2,308.00					
431-210		Organize & verify documentation	20		29OCT08*	25NOV08	25NOV08	387		0.00	4,531.16					
431-215		Document status	10		26NOV08*	11DEC08	11DEC08	387		0.00	2,857.28					
431-225		Reactivate DF & PEI units	15		12DEC08*	12JAN09	12JAN09	387		0.00	22,697.68					
431-230		Duummy Load test of DF & PEI units	15		13JAN09*	02FEB09	02FEB09	387		0.00	11,490.04					
431-240		Simulate each of 6 pwr loops in PSCAD	90		01OCT08*	16FEB09	16FEB09	260		0.00	18,572.32					
431-250		c-site dc sys DGS dsn documentation	90		01OCT08*	16FEB09	16FEB09	260		0.00	61,765.20					
431-261		Redo power loop design	90		01OCT08*	16FEB09	16FEB09	260		0.00	52,479.04					
431-265		Fabricate bus components	20		29JUL09*	25AUG09	25AUG09	146		0.00	86,139.48					
431-275		Power cabling & Installation	97		02NOV09*	30MAR10	30MAR10	99		0.00	317,964.40					
431-276		Maint of C-site rectifiers	501*		01OCT07A	02OCT09	02OCT09	216	LOE	1,894.27	22,026.38					
<b>Job: 4401 - Control &amp; Protection-RAMAKRISHNAN</b>																
<b>441 - Electrical Interlocks</b>																
441-095		Design Interlock sys	65		01JUN09*	31AUG09	31AUG09	241		0.00	30,948.00					
441-097		Install Interlock sys	40		01SEP09	27OCT09	27OCT09	241		0.00	26,431.48					
441-100		PLC Specification	20		02MAR09*	27MAR09	27MAR09	75		0.00	12,493.28					
441-105		Prep Block diagrams	20		30MAR09	24APR09	24APR09	75		0.00	16,010.72					
441-110		PLC CWD's & Cabling	40		27APR09*	22JUN09	22JUN09	75		0.00	63,679.68					
441-115		deliver PLC	130		23JUN09	06JAN10	06JAN10	75		0.00	98,920.77					
441-120		Program PLC Logic	45		07JAN10	10MAR10	10MAR10	75		0.00	48,189.60					
441-125		Program Control pages	40		11MAR10	05MAY10	05MAY10	75		0.00	30,509.20					

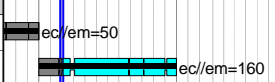
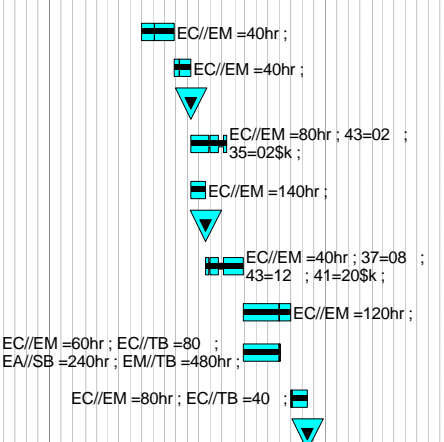
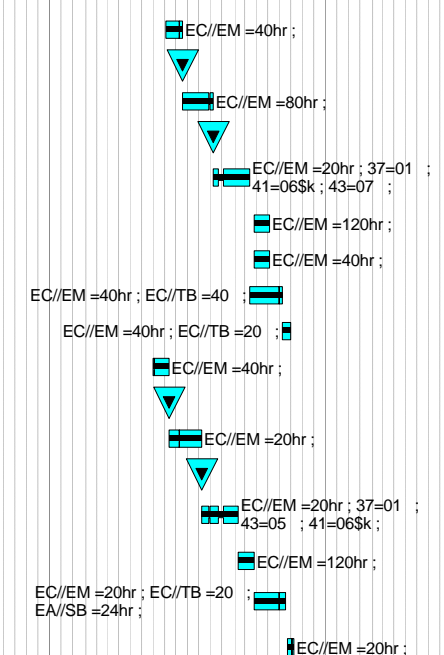
Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY					
												FY08	FY09	FY10	FY11		
441-130		Pre-commissioning tests	20		06MAY10	03JUN10	03JUN10	75		0.00	27,004.00						41=01\$; EE//EM =40hr ; EE//SM =120hr ;
441-135		Install I/O Cabling control & protection	90		25FEB10	01JUL10	01JUL10	75		0.00	127,497.20						41=38\$; EA/SB =160hr ; EE//EM =40hr ; EE//SM =80hr ; EE//TB =400hr ;
<b>442 - Kirk Key Interlocks</b>																	
442-1-2		Kirk Keys-Dsn	40		01OCT09*	25NOV09	25NOV09	45		0.00	23,657.60						EA/SB =80hr ; EE//EM =40hr ; EE//SM =40hr ;
442-1-4		Kirk Keys-Procure	65		30NOV09	10MAR10	10MAR10	45		0.00	19,434.40						41=10\$; EE//EM =08hr ; EE//SM =24hr ;
442-1-6		Kirk Keys-Install	90		01APR10*	06AUG10	06AUG10	30		0.00	34,702.00						41=15\$; EE//EM =16hr ; EE//SM =24hr ; EE//TB =80hr ;
442-1-8		Kirk Keys-Commission	20		09AUG10	03SEP10	03SEP10	30		0.00	7,643.00						EE//EM =16hr ; EE//SM =20hr ; EE//TB =20hr ;
<b>443 - Real Time Control Systems</b>																	
443-1-2		Develop Control Algorithms-Dsn	65		01OCT09*	13JAN10	13JAN10	195		0.00	14,772.00						EE//EM =80hr ;
<b>444 - Instrument Systems</b>																	
444-2-2		DC Potential Transducers (DCPTs)-Dsn	40		01OCT09*	25NOV09	25NOV09	100		0.00	9,536.40						EA/SB =40hr ; EE//EM =24hr ;
444-2-4		DC Potential Transducers (DCPTs)-Procure	65		30NOV09	10MAR10	10MAR10	100		0.00	10,633.92						41=06\$; EA/SB =16hr ;
444-2-6		DC Potential Transducers (DCPTs)-Install	40		11MAR10	05MAY10	05MAY10	100		0.00	21,894.32						EE//EM =16hr ; EE//SM =24hr ; EE//TB =160hr ; EA/SB =16hr ;
444-2-8		DC Potential Transducers (DCPTs)-Commission	15		06MAY10	26MAY10	26MAY10	100		0.00	13,041.60						EE//EM =24hr ; EE//SM =24hr ; EE//TB =60hr ;
444-3-2		DC Shunts-Dsn	20		01OCT09*	28OCT09	28OCT09	240		0.00	8,515.44						EA/SB =32hr ; EE//EM =24hr ;
444-4-2		Signal Conditioning & Cabling-Dsn	130		01JUL09*	14JAN10	14JAN10	54		0.00	90,210.87						EA/SB =24hr ; EE//EM =480hr ;
444-4-4		Signal Conditioning & Cabling-Procure	65		15JAN10	15APR10	15APR10	54		0.00	20,138.40						41=12\$; EE//EM =16hr ;
444-4-6		Signal Conditioning & Cabling-Install	65		16APR10	19JUL10	19JUL10	54		0.00	27,638.00						EE//EM =24hr ; EE//TB =280hr ;
444-4-8		Signal Conditioning & Cabling-Commission	10		20JUL10	02AUG10	02AUG10	54		0.00	18,240.40						EE//EM =48hr ; EE//SM =40hr ; EE//TB =40hr ;
<b>445 - Coil Protection Systems</b>																	
445-1-2		Ground Fault Protection-Dsn	65		02FEB09*	01MAY09	01MAY09	66		0.00	35,854.56						EA/SB =40hr ; EE//EM =160hr ; EE//SM =16hr ;
445-2-105		Overload Protect-Write spec and approve	20		03AUG09*	28AUG09	28AUG09	102		0.00	14,286.40						EE//EM =80hr ;
445-2-110		Overload Protect-Design	40		31AUG09*	26OCT09	26OCT09	112		0.00	26,177.60						EA/SB =32hr ; EE//EM =96hr ; EE//SM =32hr ;
445-1-4		Ground Fault Protection-Procure	65		18AUG09*	17NOV09	17NOV09	81		0.00	28,383.62						41=18\$; EE//EM =16hr ;
445-1-6		Ground Fault Protection-Install	75		18NOV09*	16MAR10	16MAR10	81		0.00	25,626.96						EE//EM =40hr ; EE//SM =48hr ; EE//TB =120hr ; EA/SB =08hr ;
445-1-8		Ground Fault Protection-Commission	70		17MAR10	23JUN10	23JUN10	81		0.00	10,720.96						EE//EM =24hr ; EE//SM =24hr ; EE//TB =32hr ;
445-2-115		Overload Protect-Fabr 4 chassis	65		27OCT09*	08FEB10	08FEB10	132		0.00	27,049.20						EE//EM =48hr ; EE//SM =120hr ;
445-2-120		Overload Protect-Test 4 units	10		09FEB10	22FEB10	22FEB10	132		0.00	10,758.40						EE//EM =32hr ; EE//SM =32hr ;
445-2-125		Overload Protect-Install & Rack wiring	20		23FEB10	22MAR10	22MAR10	132		0.00	20,532.55						EE//EM =48hr ; EE//SM =77hr ;
445-2-130		Overload Protect-Write & perform ISTEP	15		23MAR10	12APR10	12APR10	132		0.00	10,758.40						EE//EM =32hr ; EE//SM =32hr ;

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY08				FY09				FY10				FY11							
445-2-135		Overload Protect-Documentation	180		31AUG09*	24MAY10	24MAY10	102		0.00	11,077.36	EA/SB =64hr ; EE//EM =16hr ;																			
445-2-140		Overload Protection&cabling design,procure instl	130		27OCT09*	10MAY10	10MAY10	112		0.00	61,328.23	41=13\$k ; EA/SB =80hr ; EE//EM =96hr ; EE//SM =45hr ;  EE//TB =96hr ;																			
<b>Job: 4501 - Power Sys Dsn &amp; Integr-RAMAKRISHNAN</b>																															
<b>451 - System Design &amp; Interfaces</b>																															
451-0-2		Develop SRD	15		01OCT08*	21OCT08	21OCT08	146		0.00	7,143.20	EE//EM =40hr ;																			
451-3-2		Dwgs,asbuilts -Elect Dsn	245		08OCT08*	01OCT09	01OCT09	259		0.00	96,653.42	EA/SB =320hr ; EE//EM =320hr ;																			
451-2-2		PDR Prep Power system -Dsn	40		22OCT08	18DEC08	18DEC08	146		0.00	32,941.44	EA/SB =128hr ; EE//EM =96hr ;																			
451-2-3	2	Power system - PDR	0	R		18DEC08	18DEC08	146		0.00	0.00																				
451-6-2		Final design C-Site -Cabling	149		19DEC08	28JUL09	28JUL09	146		0.00	29,096.80	EA/SB =120hr ; EE//EM =80hr ;																			
451-2-2.1		Final Design C-Site	149		19DEC08	28JUL09	28JUL09	146		0.00	29,096.80	EA/SB =120hr ; EE//EM =80hr ;																			
451-1-2		Calculations-Dsn	149		22OCT08*	01JUN09	01JUN09	186		0.00	8,130.56	EA/SB =08hr ; EE//EM =40hr ;																			
451-202.2	2	Power systems C-Site - FDR	0	R		28JUL09	28JUL09	146		0.00	0.00																				
451-4-2		Final Dsn AC auxiliaries & grounding-Dsn	45		15JUN09	17AUG09	17AUG09	37		0.00	12,080.00	EA/SB =40hr ; EE//EM =40hr ;																			
451-402.1		AC auxiliaries & grounding - FDR	0	R		17AUG09	17AUG09	37		0.00	0.00																				
<b>452 - Electrical Systems Support</b>																															
452-1-2		Diagnostics AC Power Distr-Dsn	40		02MAR09*	24APR09	24APR09	170		0.00	34,033.60	EA/SB =160hr ; EE//EM =80hr ;																			
452-1-4		Diagnostics AC Power Distr-Procure	40		27APR09	22JUN09	22JUN09	170		0.00	2,384.36	41=01\$k ; EA/SB =08hr ;																			
452-1-6		Diagnostics AC Power Distr-Install	130		23JUN09	06JAN10	06JAN10	170		0.00	78,393.29	EE//EM =24hr ; EE//SM =80hr ;  EE//TB =640hr ; EA/SB =80hr ;																			
452-1-8		Diagnostics AC Power Distr-Commission	30		07JAN10	17FEB10	17FEB10	170		0.00	29,816.40	EE//EM =24hr ; EE//SM =80hr ;  EE//TB =160hr ;																			
452-2-2		Diagnostics sensor cabling-Dsn	43		01MAY09*	01JUL09	01JUL09	205		0.00	24,033.12	EA/SB =160hr ; EE//EM =24hr ;																			
452-2-4		Diagnostics sensor cabling-Procure	65		02JUL09	02OCT09	02OCT09	205		0.00	2,796.15	41=02\$k ;																			
452-2-6		Diagnostics sensor cabling-Install	43		05OCT09	04DEC09	04DEC09	205		0.00	21,064.80	EE//EM =16hr ; EE//SM =32hr ; EE//TB =160hr ;																			
452-2-8		Diagnostics sensor cabling-Commission	10		07DEC09	18DEC09	18DEC09	205		0.00	6,554.16	EE//EM =08hr ; EE//SM =16hr ; EE//TB =32hr ;																			
<b>453 - System Testing (PTP's)</b>																															
453-1-2		New Procedures	90		01JUL09*	05NOV09	05NOV09	134		0.00	24,269.34	EA/SB =160hr ; EE//EM =24hr ;																			
453-1-3		Preop Testing-Procure test equipt	65		03AUG09*	02NOV09	02NOV09	217		0.00	28,187.69	41=20\$k ;																			
453-1-4		TF Coil Test	20		07DEC10*	11JAN11	18OCT10	-53		0.00	19,528.70	41=01\$k ; EA/SB =08hr ; EE//EM =32hr ; EE//SM =40hr ;  EE//TB =54hr ;																			
453-1-5		PF Coil Test	20		07DEC10*	11JAN11	18OCT10	-53		0.00	19,528.70	41=01\$k ; EA/SB =08hr ; EE//EM =32hr ; EE//SM =40hr ;  EE//TB =54hr ;																			
453-1-6		Trim Coil Coil Test	20		07DEC10*	11JAN11	18OCT10	-53		0.00	18,794.70	41=01\$k ; EA/SB =08hr ; EE//EM =32hr ; EE//SM =40hr ;  EE//TB =54hr ;																			
453-1-8		Testing PTPs, ISTPs	100		12AUG10*	11JAN11	18OCT10	-53		0.00	162,137.08	41=10\$k ; EE//EM =240hr ; EE//SM =320hr ; EE//TB =376hr ;  EA/SB =160hr ;																			

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
<b>Reierson</b>																
<b>Job: 8202 - Engr Mgmt &amp; Sys Eng Support-REIERSEN</b>																
<b>FY07 Rebaseline Exercise</b>																
ECP53RBX19		FY07 Rebaseline exercise	0*		01MAY07A	25JUN07A	25JUN07			LOE	29,619.10	29,619.10	EA/EM =170hr ;			
820.04X		Engr Management FY07 (LOE)	106*		01MAY07A	28SEP07A	25SEP07			LOE	143,565.52	143,565.52	reiersen=50% loe ; heitzenroeder=50% loe			
820.04Y		Engr management (SA LOE)	827*		01OCT07A	01FEB11	01FEB11	422		LOE	27,642.06	531,578.18	reiersen=50% loe ; heitzenroeder=50% loe ; heitzenroeder travel=\$5k			
820.04Z		RLM (WBS 13,15,17) (SA LOE)	106*		01MAY07A	28SEP07A	28SEP07			LOE	20,210.68	20,210.68	reiersen=15% loe			
820.0004Z		RLM (WBS 13,15,17) (SA LOE)	747*		01OCT07A	30SEP10	30SEP10	502		LOE	6,639.07	114,466.70	reiersen=50% loe ; heitzenroeder = 1			
820.004Z		Reqmnts mgt & design verification	106*		01MAY07A	28SEP07A	28SEP07			LOE	13,938.40	13,938.40	reiersen=80 hours			
820.00004Z		Reqmnts mgt & design verification	827*		01OCT07A	01FEB11	01FEB11	422		LOE	7,719.34	148,448.71	reiersen=50% loe ; heitzenroeder=50% loe			
820.004Y		RLM (WBS 2,3 & 6) (SA LOE)	747*		01OCT07A	30SEP10	30SEP10	502		LOE	8,619.77	148,616.69	Dudek=15% loe			
820.004X		RLM (fabrication) (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422		LOE	118,264.44	739,152.77	Dudek=60% loe			
820.005		RLM (WBS 4 & 5) (SA LOE)	827*		01OCT07A	01FEB11	01FEB11	422		LOE	9,280.53	178,471.76	vonhalle=10% loe			
8205FY07		Systems Engineering Support document	933*		01MAY07A	01FEB11	01FEB11	422		LOE	25,932.73	162,079.56	simmons=10% loe			
8205FY08		Systems Engineering Support (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422		LOE	45,453.81	284,086.30	simmons=10% loe ; such=10% loe			
<b>Sichta</b>																
<b>Job: 5101 - Network and Fiber Infrastruct-SICHTA</b>																
R51-10		Preliminary Design	30		01JUL09*	12AUG09	12AUG09	93			0.00	4,652.70	EC//EM =30hr ;			
R51-11		PDR	0	R		12AUG09	12AUG09	93			0.00	0.00	EC//EM =30hr ;			
R51-20		Final Design	60		13AUG09	05NOV09	05NOV09	93			0.00	4,721.21	EC//EM =20hr ; 37=04 ; 43=10 ; 41=29.8\$K ;			
R51-21		FDR	0	R		05NOV09	05NOV09	93			0.00	0.00	EC//EM =20hr ; 37=04 ; 43=10 ; 41=29.8\$K ;			
R51-30		Procurement	60		06NOV09	11FEB10	11FEB10	93			0.00	52,884.80	EC//EM =60hr ; EC/TB =20 ; EA/SB =240hr ; EM/TB =490hr ;			
R51-50		Installation	60		12FEB10	06MAY10	06MAY10	93			0.00	83,587.00	EC//EM =20hr ; EC/TB =20 ;			
R51-60		Test	14		07MAY10	26MAY10	26MAY10	93			0.00	4,766.40				
<b>Job: 5201 - I&amp;C Systems-SICHTA</b>																
R52-10		Preliminary Design	30		02MAR09*	10APR09	10APR09	49			0.00	6,203.60	EC//EM =40hr ;			
R52-11		PDR	0	R		10APR09	10APR09	49			0.00	0.00	EC//EM =40hr ;			
R52-20		Final Design	60		13APR09	07JUL09	07JUL09	49			0.00	6,203.60	EC//EM =20hr ; 37=03 ; 43=17 ; 41=18\$K ;			
R52-21		FDR	0	R		07JUL09	07JUL09	49			0.00	0.00	EC//EM =80hr ;			
R52-30		Procurement	30		08JUL09	18AUG09	18AUG09	49			0.00	33,500.80	EC//EM =40hr ;			
R52-40		EPICS Programming - Base	10		19AUG09	01SEP09	01SEP09	49			0.00	12,407.20	EC//EM =120hr ;			
R52-50		EPICS Programming - VDCT db editor	30		02SEP09	14OCT09	14OCT09	229			0.00	6,273.87				
R52-60		IOC Programming - MDSplus data & events	30		02SEP09	14OCT09	14OCT09	229			0.00	18,821.60				

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year				
												FY08	FY09	FY10	FY11	
R52-70		OPC - EPICS/PLC Interface	90		02SEP09	20JAN10	20JAN10	49		0.00	28,002.44					EC//EM =160hr ; 43=02 ; 35=02\$K ;
R52-80		Appl. Programming-T/C	30		21JAN10	03MAR10	03MAR10	49		0.00	12,828.80					EC//EM =80hr ;
R52-90		Programming - misc.	90		04MAR10	09JUL10	09JUL10	49		0.00	16,036.00					EC//EM =100hr ;
R52-100		Installation	60		15APR10	09JUL10	09JUL10	49		0.00	49,987.20					EC//EM =40hr ; EC//TB =100 ; EA//SB =120hr ; EM//TB =240hr ;
R52-110		Test	14		12JUL10	29JUL10	29JUL10	49		0.00	6,414.40					EC//EM =40hr ;
<b>Job: 5301 - Data Acquisition-SICHTA</b>																
R53-10		Preliminary Design	30		01MAY09*	12JUN09	12JUN09	55		0.00	6,203.60					EC//EM =40hr ;
R53-11		PDR	0	R		12JUN09	12JUN09	55		0.00	0.00					
R53-20		Final Design	30		15JUN09	27JUL09	27JUL09	55		0.00	12,407.20					EC//EM =80hr ;
R53-21		FDR	0	R		27JUL09	27JUL09	55		0.00	0.00					
R53-30		Procurement	30		28JUL09	08SEP09	08SEP09	55		0.00	30,352.80					EC//EM =20hr ; 37=02 ; 43=03 ; 41=17\$K ;
R53-40		Installation	30		09SEP09	20OCT09	20OCT09	55		0.00	3,063.79					EC//EM =00hr ; EC//TB =40 ;
R53-50		MDSplus Installation	20		21OCT09	17NOV09	17NOV09	55		0.00	12,828.80					EC//EM =80hr ;
R53-60		MDSplus Programming - Tree Design	20		18NOV09	17DEC09	17DEC09	55		0.00	12,828.80					EC//EM =80hr ;
R53-70		MDSplus Programming - Shot Sync	20		18DEC09	26JAN10	26JAN10	55		0.00	12,828.80					EC//EM =80hr ;
R53-110		Programming - Misc.	60		27JAN10	20APR10	20APR10	55		0.00	25,657.60					EC//EM =160hr ;
R53-80		MDSplus Programming - Dispatcher	30		21APR10	02JUN10	02JUN10	55		0.00	25,657.60					EC//EM =160hr ;
R53-90		MDSplus Programming - Acquisition	20		03JUN10	30JUN10	30JUN10	55		0.00	12,828.80					EC//EM =80hr ;
R53-120		Test	14		01JUL10	21JUL10	21JUL10	55		0.00	9,532.80					EC//EM =40hr ; EC//TB =40 ;
<b>Job: 5401 - Facility Timing &amp; Synchron.-SICHTA</b>																
R54-10		Preliminary System Design	30		01JUL09*	12AUG09	12AUG09	43		0.00	6,203.60					EC//EM =40hr ;
R54-11		PDR	0	R		12AUG09	12AUG09	43		0.00	0.00					
R54-20		Final System Design	40		13AUG09	08OCT09	08OCT09	43		0.00	6,235.22					EC//EM =40hr ;
R54-21		FDR	0	R		08OCT09	08OCT09	143		0.00	0.00					
R54-30		Preliminary Design - Clock Dist.	20		09OCT09	05NOV09	05NOV09	143		0.00	10,593.20					EC//EM =20hr ; EE//EM =40hr ;
R54-40		Final Design - Clock Dist.	30		06NOV09	21DEC09	21DEC09	143		0.00	25,365.20					EC//EM =20hr ; EE//EM =120hr ; EE//TB =120hr ;
R54-50		Test - Clock Dist.	40		26FEB10	22APR10	22APR10	103		0.00	31,617.80					EC//EM =20hr ; EE//EM =100hr ; EE//TB =120hr ;
R54-60		Procurement	90		09OCT09	25FEB10	25FEB10	53		0.00	36,330.40					EC//EM =40hr ; 37=04 ; 43=14 ; 41=16\$K ;
R54-70		UNT - Timing & Seq Emulation (FPGA Pgm)	90		02NOV09*	19MAR10	19MAR10	127		0.00	12,473.60					EC//EM =00hr ; EC//TB =160 ;
R54-80		UNT - Device Driver Prog (EPICS/MDSplus)	120		08DEC09	04JUN10	04JUN10	43		0.00	25,657.60					EC//EM =160hr ;
R54-90		Central Clock (EPICS) Programming	30		07JUN10	19JUL10	19JUL10	43		0.00	12,828.80					EC//EM =80hr ;
R54-100		Installation	90		26FEB10	02JUL10	02JUL10	53		0.00	27,987.20					EC//EM =40hr ; EA//SB =40hr ; EC//TB =80 ; EM//TB =120hr ;
R54-110		Test	14		20JUL10	06AUG10	06AUG10	43		0.00	9,532.80					EC//EM =40hr ; EC//TB =40 ;

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY			
												FY08	FY09	FY10	FY11
<b>Job: 5501 - Real Time Control System-SICHTA</b>															
R55-10		FCPC - Preliminary Design	30		03AUG09*	14SEP09	14SEP09	71		0.00	6,203.60				
R55-11		PDR	0	R		14SEP09	14SEP09	71		0.00	0.00				
R55-20		FCPC -Final Design	60		15SEP09	09DEC09	09DEC09	71		0.00	12,744.48				
R55-21		FDR	0	R		09DEC09	09DEC09	71		0.00	0.00				
R55-30		FCPC - Procurement	60		10DEC09	15MAR10	15MAR10	71		0.00	13,550.20				
R55-40		FCPC LabVIEW Programming	30		26MAR10	06MAY10	06MAY10	93		0.00	19,243.20				
R55-45		FCPC PLC Integration-EPICS Prog.	30		26MAR10	06MAY10	06MAY10	93		0.00	6,414.40				
R55-50		FCPC - Installation	60		16MAR10	08JUN10	08JUN10	71		0.00	9,532.80				
R55-60		FCPC -Test	14		09JUN10	28JUN10	28JUN10	71		0.00	7,973.60				
R55-70		GISRTC - Preliminary Design	30		01JUL09*	12AUG09	12AUG09	63		0.00	6,203.60				
R55-71		PDR	0	R		12AUG09	12AUG09	63		0.00	0.00				
R55-80		GISRTC -Final Design	60		13AUG09	05NOV09	05NOV09	63		0.00	3,147.47				
R55-81		FDR	0	R		05NOV09	05NOV09	63		0.00	0.00				
R55-90		GISRTC - Procurement	60		06NOV09	11FEB10	11FEB10	63		0.00	13,550.20				
R55-100		GISRTC LabVIEW Programming	30		12FEB10	25MAR10	25MAR10	63		0.00	19,243.20				
R55-110		GISRTC - Installation	60		26MAR10	18JUN10	18JUN10	63		0.00	7,829.28				
R55-120		GISRTC -Test	14		21JUN10	09JUL10	09JUL10	63		0.00	3,207.20				
<b>Job: 5601 - Central Safety &amp;Interlock Sys-SICHTA</b>															
R56-10		Requirements, Codes&Standards	60		01JUN09*	24AUG09	24AUG09	39		0.00	6,203.60				
R56-20		Preliminary Design	30		25AUG09	06OCT09	06OCT09	39		0.00	6,231.71				
R56-21		PDR	0	R		06OCT09	06OCT09	39		0.00	0.00				
R56-30		PLC Training	60		07OCT09	12JAN10	12JAN10	159		0.00	15,374.80				
R56-35		Final Design	30		07OCT09	17NOV09	17NOV09	39		0.00	22,450.40				
R56-36		FDR	0	R		17NOV09	17NOV09	39		0.00	0.00				
R56-40		Procurement	60		18NOV09	23FEB10	23FEB10	39		0.00	49,062.40				
R56-50		PLC Programming	90		24FEB10	30JUN10	30JUN10	39		0.00	19,243.20				
R56-60		Installation	70		24FEB10	02JUN10	02JUN10	59		0.00	87,412.00				
R56-70		Test	30		01JUL10	12AUG10	12AUG10	39		0.00	15,947.20				
R56-70M	2	Compl Central Safety&Interlock Sys Pre-ops	0			12AUG10	12AUG10	39		0.00	0.00				
<b>Job: 5801 - Central I&amp;C Integr&amp; Oversight-SICHTA</b>															
R58-10		WBS58 -FY07 Management & Integration	107*		01MAY07A	28SEP07A	01OCT07		LOE	7,035.00	7,035.00				
R58-20		WBS58 -FY08 Management & Integration	250*		01OCT07A	30SEP08	30SEP08	999	LOE	4,146.44	24,107.20				



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
R58-30		WBS58 -FY09 Management & Integration	249		01OCT08*	30SEP09	30SEP09	750	LOE	0.00	18,610.80					
R58-40		WBS58 -FY10 Management & Integration	248		01OCT09*	30SEP10	30SEP10	502	LOE	0.00	19,243.20					
<b>Stratton</b>																
<b>Job: 3101 - Magnetic Diagnostics-STRATTON</b>																
<b>Modular Coil C-wound Loops</b>																
3101-229		Fabricate(12) MC Protective boxes	43		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00					
<b>Rogowski Coils</b>																
3101-316		CONCEP DESIGN ROWGOWSKI COIL	30		01MAY07A	12JUN07A	12JUN07		100	9,049.20	9,049.20					
3101-317		PRELIM DESIGN ROWGOWSKI COIL incl	30		13JUN07A	25JUL07A	25JUL07		100	16,670.28	16,670.28					
3101-318		ROWGOWSKI COIL - PDR	0			29JUN07A	25JUL07*		100	0.00	0.00					
3101-325		FINAL DESIGN ROWGOSKI COIL	7*			09AUG07A	06SEP07		100	21,435.88	21,435.88					
3101-340		subcontract winding 3 mandrels*DELETED	0*		03DEC07*	30NOV07	06SEP07	1,206		0.00	0.00					
3101-326	3	ROWGOSKI COIL - FDR	0			09AUG07A	06SEP07		100	0.00	0.00					
3101-329		FAB ROWGOWSKI COILS incl clamps & install	37*		03DEC07*	31JAN08	08NOV07	1,169		0.00	41,918.79					
3101-330		Title III	115*		10AUG07A	31JAN08	08NOV07	1,169	LOE	6,417.50	9,465.34					
<b>TF and PF Co-wound Loops</b>																
3101-425		Design Protective boxes for PF	20		01NOV07A	08JAN08	26OCT07	190	80	19,905.20	24,881.50					
3101-426		Purchase SS Sheet	15		12NOV07A	29JAN08	16NOV07	190	80	974.46	1,218.07					
3101-452		Form Protective boxes	20		12NOV07A	26FEB08	18DEC07	190	80	10,780.18	13,475.22					
3101-454		Weld end plates of PF protective boxes	10		12NOV07A	11MAR08	10JAN08	190	80	1,153.58	1,441.98					
3101-427		Purchase Heat Shrink tubing	15		12NOV07A	29JAN08	24SEP07	244	80	2,477.33	3,096.66					
3101-428		Purchase aad'l CoAxial cable	40		09JAN08	04MAR08	29OCT07	195		0.00	6,046.22					
3101-450		Prototype PF Loops	10		05MAR08*	18MAR08	12NOV07	219		0.00	1,585.32					
3101-458		FabTF,PF & solenoid co-wound loops	186		02JUL07A	08APR08	18JAN08	204	40	6,729.25	16,823.12					
3101-456		Title III	70		09JAN08	15APR08	14FEB08	199	LOE	0.00	5,788.44					
<b>T/C and Heater Tape Leads</b>																
1204-140		Design T/C and Heater Tape Leads	106*		30JUL07A	07JAN08	28AUG07	68	90	23,403.74	26,004.15					
1204-140.2		Design Drafting T/C and Heater Tape Leads	44		03DEC07	11FEB08	28AUG07	43	0	1,078.43	3,594.76					
1204-140.1		Peer Review T/C and Heater Tape Leads	0		03DEC07	30NOV07	14AUG07	1,206		0.00	0.00					
1204-141		Drawings Signed T/C and Heater Tape Leads	0			11FEB08	28AUG07	43		0.00	0.00					
1204-146		Procurement support T/C and Heater Tape	20			31JUL07A	26SEP07		100	6,032.80	6,032.80					
1204-147		Field/Fab support (title III) T/C&Heater Tape	65		12FEB08	12MAY08	08JAN08	1,097	LOE	0.00	4,019.75					
1204-148		Machine 12 2.75 cf blanks	20			31JUL07A	26SEP07		100	4,461.12	4,461.12					
1204-150		Rubber seal	20		01SEP07A	28SEP07A	26SEP07		100	0.00	0.00					
1204-151		Machine 6 commercial aluminum boxes	20		01NOV07A	30NOV07A	26SEP07		100	4,755.96	4,755.96					

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY			
												FY08	FY09	FY10	FY11
<b>Spacer Flux Loops</b>															
1204-160		Design Protective Boxes	10		01MAY07A	14MAY07A	14MAY07		100	3,318.04	3,318.04				
1204-165		Issue req,Bid & Award- Flux Loop Junction	25		15MAY07A	19JUN07A	19JUN07		100	0.00	0.00				
1204-170		Autocad dwgs of field runs/tag#/ports	10		01JUN07A	29JUN07A	14AUG07		100	16,891.84	16,891.84				
1204-161		Fab Protective Boxes	10		01JUN07A	29JUN07A	22AUG07		100	5,623.76	5,623.76				
1204-171		Prep Dwgs of spacer loops	10		03DEC07*	14DEC07	14AUG07	508		0.00	7,194.60				
1204-172		Title III	96		15MAY07A	28SEP07A	28SEP07		LOE	18,098.40	18,098.40				
1204-173		Purchase material for boxes&spacers (in job	35		20JUN07A	29JUN07A	08AUG07		100	6,111.88	6,111.88				
<b>Voltage Loops &amp; Protective Boxes</b>															
3101-800		Design Routing and Boxes	62		01AUG07A	26MAR08	26OCT07	1,110	50	4,818.02	9,636.03				
3101-802		Fab 3 protective Boxes (Use Existing Box)	10		27MAR08	09APR08	09NOV07	1,120		0.00	1,118.28				
3101-804		Purchase 900ft cable	20		01NOV07A	30NOV07A	23NOV07		100	2,414.38	2,414.38				
3101-806		Title III	20		27MAR08	23APR08	23NOV07	1,110	LOE	0.00	964.74				
<b>Job: 3601 - Edge Divertor Diagnostics-STRATTON</b>															
361-001		Design Visible Camera sys	40		01OCT09*	25NOV09	25NOV09	51		0.00	17,054.80				
361-015		Procure flange,window and material	65		30NOV09	10MAR10	10MAR10	51		0.00	5,012.00				
361-016		fabricate and assemble Visible tv camera sys	20		11MAR10	07APR10	07APR10	51		0.00	8,828.96				
<b>Job: 3801 - Electron Beam Mapping-STRATTON</b>															
<b>Y</b>															
380-010		E-beam mapping- Prelim Design	40		02MAR09*	24APR09	24APR09	114		0.00	44,761.80				
380-015		E-beam mapping - PDR	1	R	27APR09	27APR09	27APR09	114		0.00	0.00				
380-100		E-beam mapping-Final Design	40		28APR09*	23JUN09	23JUN09	114		0.00	56,544.80				
380-110		E-beam mapping - FDR	1	R	24JUN09	24JUN09	24JUN09	114		0.00	0.00				
380-115		E-beam mapping-Procure Rack	65		01OCT09*	13JAN10	13JAN10	46		0.00	47,369.60				
380-120		E-beam mapping-Procure Ports	65		01OCT09	13JAN10	13JAN10	46		0.00	5,728.00				
380-130		E-beam mapping-Procure Data Acquisition	65		01OCT09*	13JAN10	13JAN10	46		0.00	14,320.00				
380-135		E-beam mapping- Assemble	65		14JAN10*	14APR10	14APR10	46		0.00	94,239.24				
380-135M	2	E-beam mapping apparatus ready for	0			14APR10	14APR10	46		0.00	0.00				
<b>Job: 3901 - Diagnostics sys Integration-STRATTON</b>															
390-03		LOE Support FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	11,359.44	11,359.44				
390-04		LOE Support FY08	249*		01OCT07A	29SEP08	29SEP08	1,000	LOE	5,056.50	29,228.35				
390-05		LOE Support FY09	247*		01OCT08*	28SEP09	28SEP09	752	LOE	0.00	30,084.70				
390-06		LOE Support FY10	246*		01OCT09*	28SEP10	28SEP10	504	LOE	0.00	62,037.90				



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
<b>Strykowski</b>																
<b>Job: 8210 - FY07 Rebaseling tasks</b>																
<b>FY07 Rebaseline Exercise</b>																
ECP53RBX23		FY07 Rebaseline exercise	40		01MAY07A	26JUN07A	26JUN07			LOE	9,049.20	9,049.20	EM//EM =60hr ;			
ECP53RBX25		FY07 Rebaseline exercise	0*		01MAY07A	31MAY07A	31MAY07			LOE	9,765.00	9,765.00				
<b>Job: 8998 - Allocations-STRYKOWSKY</b>																
99.07		PPPL Allocations FY07	LOE	106*	01MAY07A	28SEP07A	28SEP07			LOE	144,040.90	144,040.90				
99.08		PPPL Allocations FY08	LOE	249*	01OCT07A	29SEP08	29SEP08	1,000		LOE	66,498.43	384,384.00				
99.081		PPPL Allocations FY09	LOE	247*	01OCT08*	28SEP09	28SEP09	752		LOE	0.00	406,232.00				
99.09		PPPL Allocations FY10	SA LOE	248*	01OCT09*	30SEP10	30SEP10	502		LOE	0.00	430,800.00				
99.10		PPPL Allocations FY10		80*	01OCT10*	01FEB11	01FEB11	422		LOE	0.00	88,320.00				
<b>Viola</b>																
<b>Job: 1802 - FP Assy Oversight&amp;Support-VIOLA</b>																
<b>Oversight and Supervision</b>																
1802MAY		May cost incr		20	01MAY07A	30MAY07A	29MAY07			LOE	15,000.00	15,000.00				
1802ORNL02		ORNL Title III field period assy station 2		326	03DEC07*	27MAR09	19FEB09	-41		LOE	0.00	153,320.54	ORNLLEM =591;ornldm=591 travel=6			
1802ORNL03		ORNL Title III field period assy station 3		305*	20MAR08*	08JUN09	08JUN09	-10		LOE	0.00	117,278.05	ORNLLEM =442;ornldm=442 travel=6			
1802ORNL05		ORNL Title III field period assy station 5		260*	30OCT08*	13NOV09	13NOV09	0		LOE	0.00	122,171.24	ORNLLEM =444;ornldm=444 travel=6			
R1802-001		Metrology Engr Super FY07		106*	01MAY07A	28SEP07A	28SEP07			LOE	62,722.80	62,722.80	EA//EM =360hr ;			
R1802-003		Metrology Engr Super FY08		250*	01OCT07A	30SEP08	30SEP08	999		LOE	27,573.47	160,310.88	EA//EM =863hr ;			
R1802-004		Metrology Engr Super FY09		281*	01OCT08*	13NOV09	13NOV09	718		LOE	0.00	194,695.10	EA//EM =863hr ;			
R1802-004S		Metrology Engr Super FY09 (2n shft suprnt .5		203* 2	30JAN09*	13NOV09	13NOV09	718		LOE	0.00	134,631.52	EA//EM =.5 fte			
R1802-005		FPA Management FY07		106*	01MAY07A	28SEP07A	28SEP07			LOE	115,712.78	115,712.78	EM//EM =1.0 fte; 41=06\$K ;			
R1802-007		FPA Management FY08		250*	01OCT07A	30SEP08	30SEP08	999		LOE	47,734.05	277,523.54	EM//EM =1.0 fte			
R1802-008		FPA Management FY09		281*	01OCT08*	13NOV09	13NOV09	718		LOE	0.00	322,131.05	EM//EM =1.0 fte			
R1802-013		HP Coverage in the TFTR TC LOE FY07		106*	01MAY07A	28SEP07A	28SEP07			LOE	59,214.54	59,214.54	SH//TB =.75 fte			
R1802-015		HP Coverage in the TFTR TC LOE FY08		250*	01OCT07A	30SEP08	30SEP08	999		LOE	25,775.47	149,857.40	SH//TB =.75 fte			
R1802-016		HP Coverage in the TFTR TC LOE FY09		169*	01OCT08*	08JUN09	08JUN09	830		LOE	0.00	104,271.28	SH//TB =(75 fte) ;			
R1810-098		Station 3 complete		0		07AUG09	08JUN09	787			0.00	0.00	▼			
<b>Station 2 procedures,JHA,ACC,Training,Prep</b>																
R1802-207		Procedures written & approved		14	01OCT07A	21DEC07	01OCT07	-18	50		0.00	0.00	Viola			
R1802-209		50JHA completed		6	01OCT07A	31OCT07A	09OCT07		100		0.00	0.00	Viola			
R1802-211		Training needs identified & released		58*	01OCT07A	21DEC07	17OCT07	-19	50		0.00	0.00	Viola			
R1802-213		ACC review completed		0*	02JAN08	21DEC07	19OCT07	-19			0.00	0.00	Viola			
R1802-215		Pre-job brief completed		1	02JAN08	02JAN08	22OCT07	-19			0.00	0.00	Viola			
R1802-217		Station 2 operational		0		02JAN08	23OCT07	-19	50		0.00	0.00	Viola			

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year							
												FY08	FY09	FY10	FY11				
<b>Station 3 procedures,JHA,ACC,Training,Prep</b>																			
R1802-307		Procedures written & approved	10		01FEB08	14FEB08	28JAN08	-10		0.00	0.00								
R1802-309		JHA completed	6		15FEB08	22FEB08	05FEB08	-10		0.00	0.00								
R1802-311		Training needs identified & released	6		25FEB08	03MAR08	13FEB08	-10		0.00	0.00								
R1802-313		ACC review completed	6		04MAR08	11MAR08	21FEB08	-10		0.00	0.00								
R1802-315		Pre-job brief completed	6		12MAR08	19MAR08	29FEB08	-10		0.00	0.00								
<b>Station 5 procedures,JHA,ACC,Training,Prep</b>																			
R1802-507		Procedures written & approved	14		09JUN08	26JUN08	05MAY08	51		0.00	0.00								
R1802-509		JHA completed	6		27JUN08	07JUL08	13MAY08	51		0.00	0.00								
R1802-519		Fixtures installed	6		08JUL08	15JUL08	21MAY08	51		0.00	0.00								
R1802-511		Training needs identified & released	6		16JUL08	23JUL08	30MAY08	51		0.00	0.00								
R1802-513		ACC review completed	7		24JUL08	01AUG08	10JUN08	51		0.00	0.00								
R1802-515		Pre-job brief completed	7		04AUG08	12AUG08	19JUN08	51		0.00	0.00								
<b>Job:1810-Field Period Assy -Station 1,2,3 VIOLA</b>																			
<b>General Assy Support</b>																			
R1801-004S		LOE Crane support, fixt setup (2nd shft 1.2	203*	2	30JAN09*	13NOV09	13NOV09	718	LOE	0.00	139,343.95								
R1810-001		LOE Crane support, fixture setupfor FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	64,854.45	64,854.45								
R1810-003		LOE Crane support, fixture setupfor FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	28,538.90	165,923.83								
R1810-004		LOE Crane support, fixture setupfor FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	192,599.92								
R1810-005		LOE Field Supervision for FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	96,036.83	96,036.83								
R1810-007		LOE Field Supervision for FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	42,271.60	245,765.14								
R1810-008		LOE Field Supervision for FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	285,266.98								
R1810-008S		LOE Field Supervision for 2nd shft 1.0 fte	203*	2	30JAN09*	13NOV09	13NOV09	718	LOE	0.00	206,388.38								
R1810-009		LOE Metrology sprt FY07 1.5 fte EM & 1.0 fte	106*		01MAY07A	28SEP07A	28SEP07		LOE	197,832.33	197,832.33								
R1810-011		LOE Metrology sprt FY08 1.5 fte EM & 1.0 fte	250*		01OCT07A	30SEP08	30SEP08	999	LOE	132,630.58	771,108.00								
R1810-012		LOE Metrology sprt FY09 1.5 fte EM & 1.0 fte	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	433,249.15								
R1810-013		Misc M&S FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	19,140.00	19,140.00								
R1810-015		Misc M&S FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	8,099.14	47,088.00								
R1810-016		Misc M&S FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	57,664.57								
R1810-099		Station 5 complete	0			10FEB10	13NOV09	665		0.00	0.00								
<b>Station 1-VV Prep (hard surface components) FP#1</b>																			
R1810-1105		Instl cooling lines & Weld cooling/htg risers	31	1	01MAY07A	13JUN07A	13JUN07		100	49,145.00	49,145.00								
R1810-1107		Verify Instl of H/C lines,headers,manifolds	5	1	14JUN07A	20JUN07A	20JUN07		100	7,515.00	7,515.00								
R1810-1115		Purchase pump	20	1	02JUL07A	19JUL07A	19JUL07		100	5,104.00	5,104.00								
R1810-1108		Perform final acceptance testing (H/C flow	5	1	17DEC07	21DEC07	26JUL07	225		0.00	8,011.00								
R1810-1109		Loop termination & verification	32*	1	02JUL07A	15AUG07A	18SEP07		100	27,054.00	27,054.00								
R1810-1112		Trim seal plates	2	1	02JAN08*	03JAN08	02OCT07	225		0.00	3,204.40								

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY					
												FY08	FY09	FY10	FY11		
R1810-1110		Install Final Internal&Ext monuments &	4	1	12FEB08	15FEB08	14JAN08	43		0.00	6,408.80						
R1810-1111		Final Scan	4	1	18FEB08	21FEB08	18JAN08	43		0.00	6,408.80						
R1810-1114		Install heater tape on all removable ports	20	1	22FEB08	20MAR08	15FEB08	43		0.00	16,022.00						
R1810-1113		Prepare & transfer completed VV to holding	2	1	21MAR08	24MAR08	19FEB08	43		0.00	3,204.40						
<b>Station 1- VV Prep (hrd surf cmpntsFP#2</b>																	
R1810-1203		Misc Hardware	170*		01JUN07A	08FEB08	08FEB08	1,163	LOE	1,930.53	2,584.38						
R1810-1209		Install cooling/htg lines to vac vsl	15	1	01MAY07A	21MAY07A	21MAY07		100	22,545.00	22,545.00						
R1810-1211		Weld cooling/htg risers	16	1	22MAY07A	13JUN07A	13JUN07		100	26,600.00	26,600.00						
R1810-1213		Verify Instl of H/C lines,headers,manifolds	5	1	14JUN07A	20JUN07A	20JUN07		100	7,515.00	7,515.00						
R1810-1208		Perform final acceptance testing (H/C flow	5	1	10DEC07	14DEC07	27JUN07	225		0.00	13,243.00						
R1810-1212		Trim seal plates	2	1	04JAN08*	07JAN08	29OCT07	225		0.00	3,204.40						
R1810-1215		Loop termination & verification	18	1	26JUL07A	28SEP07A	21DEC07		100	27,054.00	27,054.00						
R1810-1216		Install Final Internal&Ext monuments &	4	1	08JAN08	11JAN08	07JAN08	225		0.00	6,408.80						
R1810-1217		Final Scan	4	1	14JAN08	17JAN08	11JAN08	225		0.00	6,408.80						
R1810-1214		Install heater tape on all removable ports	20	1	18JAN08	14FEB08	08FEB08	225		0.00	16,022.00						
R1810-1219		Prepare & transfer completed VV to holding	2	1	15FEB08	18FEB08	12FEB08	225		0.00	3,204.40						
<b>Station 1- VV Prep (hrd surf cmpntsFP#3</b>																	
R1810-1303		Misc Hardware	139*		15MAY07A		28NOV07		LOE	2,571.80	2,571.80						
R1810-1304		Layout diag & coolant paths on vessel	12	1	01MAY07A	16MAY07A	16MAY07		100	18,036.00	18,036.00						
R1810-1305		Install heater tape on vertical ports	7	1	17MAY07A	25MAY07A	25MAY07		100	10,521.00	10,521.00						
R1810-1307		Verify installation of heater tapes	1	1	01JUN07A	29JUN07A	02JUL07		100	1,503.00	1,503.00						
R1810-1309		Attach studs for coolant lines	3	1	01JUN07A	29JUN07A	06JUL07		100	4,509.00	4,509.00						
R1810-1300		Install Templates	3	1	01JUN07A	29JUN07A	27JUN07		100	4,509.00	4,509.00						
R1810-1311		Wind magnetic diagnostic sensors	25*	1	25JUN07A	30JUL07A	30JUL07		100	21,042.00	21,042.00						
R1810-1313		Install precision magnetic diagnostic	28*	1	25JUN07A	31JUL07A	02AUG07		100	4,509.00	4,509.00						
R1810-1315		Verify installation magnetic diagnostic	8	1	30JUL07A	24SEP07A	08AUG07		100	6,012.00	6,012.00						
R1810-1317		Install local I&C (incl thermocouples)	5	1		15AUG07A	15AUG07		100	7,515.00	7,515.00						
R1810-1319		Verify installation of local I&C	2	1		17AUG07A	17AUG07		100	3,006.00	3,006.00						
R1810-1321		10Install cooling/htg lines to vac vsl	37*	1	01AUG07A	21SEP07A	31AUG07		100	22,545.00	22,545.00						
R1810-1323		Weld cooling/htg risers	10	1	15OCT07A	26OCT07A	17SEP07		100	25,635.20	25,635.20						
R1810-1325		Verify Instl of H/C lines,headers,manifolds	5	1		12SEP07A	24SEP07		100	7,515.00	7,515.00						
R1810-1308		Perform final acceptance testing (H/C flow	5	1	03DEC07*	07DEC07	01OCT07	225		0.00	8,011.00						
R1810-1312		Trim seal plates	2	1	08JAN08	09JAN08	31OCT07	292		0.00	3,204.40						
R1810-1327		Loop termination & verification	18	1		28SEP07A	25JAN08		100	27,054.00	27,054.00						
R1810-1328		Install Final Internal&Ext monuments &	4	1	10JAN08	15JAN08	31JAN08	292		0.00	6,408.80						
R1810-1329	3	Final Scan of VVSA #3 Station 1 complete	4	1	16JAN08	21JAN08	06FEB08	292		0.00	6,408.80						
R1810-1314		Install heater tape on all removable ports	20	1	15FEB08*	13MAR08	13MAR08	254		0.00	16,022.00						
R1810-1331		Prepare & transfer completed VV to holding	2	1	14MAR08	17MAR08	17MAR08	254		0.00	3,204.40						

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year			
												FY08	FY09	FY10	FY11
<b>Station 1-Spool pieces (3) (spacers)</b>															
R1810-1S03		Attachdiagnostics, studs and coolant lines	17	1	03NOV08*	25NOV08	25NOV08	288		0.00	28,036.40				
R1810-1S04		Install Final Internal&Ext monuments &	2	1	26NOV08	01DEC08	01DEC08	288		0.00	3,298.40				
<b>Station 2 Trials &amp; Development</b>															
<b>Water jet cut A/B flange weld test</b>															
INTRF-035		PPPL Determine shim material	23		01MAY07A	01JUN07A	01JUN07		100	6,969.20	6,969.20				
INTRF-001		PPPL buy SS plate for weld trials	10		04JUN07A	15JUN07A	15JUN07		100	40,762.56	40,762.56				
PHIL-02		weld shim DXF files complete	1		02JUL07A	02JUL07A	28JUN07		100	0.00	0.00				
PHIL-03		complete CAD model of weld test specimen	1		06JUL07A	06JUL07A	06JUL07		100	0.00	0.00				
PHIL-04		1100water jet cut shims for A/B flange weld	3		11JUL07A	11JUL07A	11JUL07		100	1,803.60	1,803.60			EM/TB =24hr ;	
PHIL-05		1solution anneal shims (note: shims not	1		04SEP07A	04SEP07A	12JUL07		100	991.36	991.36			EM/SM =08hr ;	
PHIL-06		assemble shims&flanges;grind relief in	3		17JUL07A	17JUL07A	17JUL07		100	3,607.20	3,607.20			EM/TB =48hr ;	
PHIL-07		weld & monitor distortion; improvise	3		20JUL07A	20JUL07A	20JUL07		100	3,607.20	3,607.20			EM/TB =48hr ;	
PHIL-08		analyze results at PPPL	2		24JUL07A	24JUL07A	24JUL07		100	0.00	0.00				
PHIL-09		analyze welds at EWI	10		01AUG07A	28SEP07A	07AUG07		100	0.00	0.00				
<b>Casting Weld Tests</b>															
PHIL-11		Mount A6 on angle plate	1			02JUL07A	25JUN07		100	1,202.40	1,202.40			EM/TB =16hr ;	
PHIL-12		Weld fiducials on A6 & B6	2			11JUL07A	11JUL07		100	2,404.80	2,404.80			EM/TB =32hr ;	
PHIL-13		Measure A6 casting	2			13JUL07A	13JUL07		100	0.00	0.00				
PHIL-14		Develop metrology plan for station 2	9*		01JUN07A	08OCT07A	31AUG07		100	0.00	0.00				
PHIL-15		Remove A6 & lower & grout wedge	4			19JUL07A	19JUL07		100	4,809.60	4,809.60			EM/TB =64hr ;	
PHIL-16		Re-mount A6 on wedge	2			23JUL07A	23JUL07		100	2,404.80	2,404.80			EM/TB =32hr ;	
PHIL-17		Re-measure A6	2			25JUL07A	25JUL07		100	0.00	0.00				
PHIL-18		Measure B6 on wedge	2			27JUL07A	27JUL07		100	2,404.80	2,404.80			EM/TB =32hr ;	
PHIL-19		Place B6 on A6; Meas B6 casting use A6 as	2			31JUL07A	31JUL07		100	0.00	0.00				
PHIL-20		Complete CAD model for dimensional ref.	3			31JUL07A	03AUG07		100	0.00	0.00				
PHIL-21		Prepare angle plate dogs & chocks	4			13JUL07A	13JUL07		100	4,809.60	4,809.60			EM/TB =64hr ;	
PHIL-22		Water jet cut outboard 0,5" stk 316 SS shims	4			17JUL07A	17JUL07		100	2,404.80	2,404.80			EM/TB =32hr ;	
PHIL-23		Water jet cut inboard 0.625 316 SS	3			20JUL07A	20JUL07		100	1,803.60	1,803.60			EM/TB =24hr ;	
PHIL-24		Assemble castings,align torque&meas inbd.	4			26JUL07A	26JUL07		100	4,809.60	4,809.60			EM/TB =64hr ;	
PHIL-25		Purchase (2) grinding machines - (ON HOLD)	45		03DEC07*	12FEB08	14SEP07	1,161		0.00	52,320.00			41=40\$K ;	
PHIL-26		Grind inbd. Shims to thickness (outside	4			31JUL07A	01AUG07		100	1,276.00	1,276.00			41=01\$K ;	
PHIL-27		Solution anneal shims	2			31JUL07A	03AUG07		100	1,982.72	1,982.72			EM/SM =16hr ;	
PHIL-28		bushing drawings complete	0			29JUN07A	29JUN07		100	0.00	0.00				
PHIL-29		fabricate stock bushings	5			13JUL07A	13JUL07		100	0.00	0.00				
PHIL-30		Zenex - fabricate eccentric bushings	5			13JUL07A	13JUL07		100	1,658.80	1,658.80			41=01\$K ;	
PHIL-31		Receive hardware - studs, washers	14*			20AUG07A	19JUL07		100	0.00	0.00				
PHIL-32		Align castings	2			31JUL07A	31JUL07		100	2,404.80	2,404.80			EM/TB =32hr ;	
PHIL-33		Fit&install bushings 25% stock, 25%	5			31JUL07A	07AUG07		100	6,012.00	6,012.00			EM/TB =80hr ;	

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
PHIL-34		Weld procedure/weld qual.	7			17JUL07A	17JUL07		100	4,208.40	4,208.40	EM//TB =56hr ;				
PHIL-35		Purchase weld on strain gauges	14			26JUL07A	26JUL07		100	0.00	0.00					
PHIL-36		Install strain gauges	5			07AUG07A	02AUG07		100	4,956.80	4,956.80	EM//SM =40hr ;				
PHIL-37		Set up dial ind., CMM, transit system	26*		02JUL07A	07AUG07A	07AUG07		100	3,006.00	3,006.00	EM//TB =40hr ;				
PHIL-38		Install all shims and adjust bushings	2			31JUL07A	07AUG07		100	2,404.80	2,404.80	EM//TB =32hr ;				
PHIL-39		Final align and baseline measurements	3			23AUG07A	10AUG07		100	5,410.80	5,410.80	EM//TB =72hr ;				
PHIL-40		Perform 25% of welding & measure	2			27AUG07A	14AUG07		100	2,404.80	2,404.80	EM//TB =32hr ;				
PHIL-41		Perform 50% of welding & measure	2			29AUG07A	16AUG07		100	2,404.80	2,404.80	EM//TB =32hr ;				
PHIL-42		Perform 75% of welding & measure	2			31AUG07A	20AUG07		100	2,404.80	2,404.80	EM//TB =32hr ;				
PHIL-43		finish welding & measure	2			05SEP07A	22AUG07		100	2,404.80	2,404.80	EM//TB =32hr ;				
PHIL-44		Analyze data; write report	14		19SEP07A	28SEP07A	12SEP07		100	0.00	0.00					
R1810-2050		Consulting support for welding trials	63*		02JUL07A	28SEP07A	12SEP07		100	89,320.00	89,320.00	ew=20\$K ; parsells=50\$K ;				
R1810-2003		Trial tensioning test on prototype with UT	3	1		11JUL07A	11JUL07		100	6,834.00	6,834.00	EM//TB =40hr ; 41=03\$K ;				
R1810-2005		Trial bushing and shim test on prototype	12	1		31JUL07A	31JUL07		100	20,588.00	20,588.00	EM//TB =240hr ; 41=02\$K ;				
R1810-2011		Alignment mechanisms, metro equipt	390*	1	04SEP07A	31MAR09	31MAR09	878	LOE	10,022.38	63,033.85	EM//TB =120hr ; 41=40\$K ;				
R1810-2013		Procure alignment mechanisms, fiducials,	390*	1	04SEP07A	31MAR09	31MAR09	878	LOE	10,428.86	65,590.33	EM//TB =400hr ; 41=25\$K ;				
R1810-2052		Bushing test B-C	7	1		26JUL07A	26JUL07		100	8,416.80	8,416.80	em//tb=112				
R1810-2017		Determine fiducial types&locations	40*	1	01JUN07A	27JUL07A	23JUL07		100	19,085.00	19,085.00	EM//TB =220hr ; 41=02\$K ;				
R1810-2001		Misc Hardware and hardware rework (1/2 fte	260*	1	01MAY07A	14MAY08	14MAY08	1,095	LOE	50,374.65	87,913.87	41=10\$K ; EM//TB =960hr ;				
<b>Setup</b>																
R1810-2023		Install FIRST Holding 20 deg fixture	0	1		31JUL07A	12JUL07		100	8,564.00	8,564.00	em//tb=80; 41=2				
R1810-2025		Install SECOND Holding 20 deg fixture	0	1		31JUL07A	03AUG07		100	7,061.00	7,061.00	EM//TB =60hr ; 41=02\$K ;				
R1810-2027		Install THIRD Holding 20 deg fixture	6	1	03DEC07*	10DEC07	13AUG07	1,171		0.00	12,229.20	EM//TB =120hr ; 41=02\$K ;				
R1810-2029		Install LAST Holding 20 deg fixture	3	1	11DEC07*	13DEC07	16AUG07	1,171		0.00	7,422.60	EM//TB =60hr ; 41=02\$K ;				
R1810-2004		Receive Drawings & Hardware (shims &	7	1		23OCT07A	20SEP07		100	11,215.40	11,215.40	EM//TB =140hr ;				
R1810-2006		Surface grind set of metal shims for	4	1	03DEC07*	06DEC07	20SEP07	1,178		0.00	19,226.40	EM//TB =240hr ;				
R1810-207		Compress alumina shims and sort	6	1	14JAN08*	21JAN08	28SEP07	-14		0.00	9,613.20	EM//TB =120hr ;				
R1810-209		Perform metrology setup & checks	22	1	01OCT07A	17DEC07	09OCT07	-32	50	4,005.50	8,011.00	EM//TB =100hr ;				
R1810-2021		Tools&tooling available for FPA operations	2	1	14DEC07	17DEC07	20AUG07	1,171		0.00	9,744.40	EM//TB =40hr ;41=5k				
R1810-2002		Test out Equip & Procedures	7	1	02JAN08	10JAN08	10OCT07	1,160		0.00	11,215.40	EM//TB =140hr ;				
R1810-2108		HARDWARE,DRAWINGS,& PROCURES	0	1		14JAN08	23OCT07	1,158		0.00	0.00					
<b>Pre-Measuring and fitup checks</b>																
Pre measurement of MCHP A1,B1,C1 flanges																
S21-1.01		Verify mating MC's A1,B1,C1	4	1		25JUL07A	25JUL07		100	6,012.00	6,012.00	EM//TB =80hr ;				
S21-1.02		Epoxy paint all close fitting interfacing	3	1	01OCT07A	03OCT07A	30JUL07		100	4,806.60	4,806.60	EM//TB =60hr ;				
S21-2.01		Set B1 on pre-measured fixt, "B" side down	1	1		31JUL07A	31JUL07		100	1,503.00	1,503.00	EM//TB =20hr ;				
S21-2.02		Align to the conical seats locking into of 8	2	1		02AUG07A	02AUG07		100	0.00	0.00	ZMET =40 ;				
S21-2.03		Estab global coord sys on mc geometry.	7	1		13AUG07A	13AUG07		100	0.00	0.00	ZMET =140 ;				

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												FY08	FY09	FY10	FY11	
S21-2.04		Meas tooling ball monuments on winding	1	1		14AUG07A	14AUG07		100	0.00	0.00	ZMET =20 ;				
S21-2.05		Scan the "A" flange of the Type-B1 coil.	1	1		15AUG07A	15AUG07		100	0.00	0.00	ZMET =20 ;				
S21-2.07		Remove B1 coil from stand	1	1		16AUG07A	16AUG07		100	1,503.00	1,503.00	EM/TB =20hr ;				
S21-2.08		Measure A1 "A" flange	14	1	07SEP07A	26SEP07A	06SEP07		100	3,006.00	3,006.00	EM/TB =40hr ; ZMET =220 ;				
S21-2.11		Measure C1 "A" flange	13	1	27SEP07A	28SEP07A	25SEP07		100	3,006.00	3,006.00	EM/TB =40hr ; ZMET =220 ;				
S21-2.14		Measure Type A2 "A" flange	13	1	03DEC07	19DEC07	12OCT07	-40		0.00	3,204.40	EM/TB =40hr ; ZMET =220 ;				
S21-3.02		Grind shims first article f/assy process qu	4	1	23OCT07A	26OCT07A	18OCT07		100	6,408.80	6,408.80	EM/TB =80hr ;				
S21-4.02		Perform metrology set-up and checks	2	1	29OCT07A	30OCT07A	22OCT07		100	0.00	0.00	ZMET =40 ;				
S21-3.03		Ready For Preassembly A1B1C1	0	1		30OCT07A	22OCT07		100	0.00	0.00					
Pre measurement of MCHP A2,B2,C2 flanges																
S22-1.01		Verify mating MC's of MCHP will come	4		22OCT07A	25OCT07A	26OCT07		100	6,408.80	6,408.80	EM/TB =80hr ;				
S22-1.02		Epoxy paint all close fitting interfacing	3		22OCT07A	25OCT07A	31OCT07		100	4,806.60	4,806.60	EM/TB =60hr ;				
S22-2.08		Measure B2 "A" flange	14	1	08OCT07A	30OCT07A	20NOV07		100	3,204.40	3,204.40	EM/TB =40hr ; ZMET =220 ;				
S22-2.11		Measure C2 "A" flange	13	1	08OCT07A	30OCT07A	11DEC07		100	3,204.40	3,204.40	EM/TB =40hr ; ZMET =220 ;				
S22-2.14		Measure Type A2 "A" flange	13	1	08OCT07A	31OCT07A	08JAN08		100	3,204.40	3,204.40	EM/TB =40hr ; ZMET =220 ;				
S22-3.02		Compress alumina shims sort by thickness	4		20DEC07	03JAN08	14JAN08	-40	0	0.00	6,408.80	EM/TB =80hr ;				
S22-4.02		Perform metrology set-up and checks	2		04JAN08	07JAN08	16JAN08	-40		0.00	0.00	ZMET =40 ;				
S22-4.03		Ready For Preassembly A2B2C2	0			07JAN08	16JAN08	-40		0.00	0.00					
Pre measurement of MCHP A3,B3,C3 flanges																
S23-1.01		Verify mating MC's of MCHP will come	4		08JAN08	11JAN08	22JAN08	35		0.00	6,408.80	EM/TB =80hr ;				
S23-1.02		Epoxy paint all close fitting interfacing	3		01NOV07A	30NOV07A	25JAN08		100	4,806.60	4,806.60	EM/TB =60hr ;				
S23-2.01		Set the A3 coil on fixture, A side flange	1		01NOV07A	30NOV07A	28JAN08		100	1,602.20	1,602.20	EM/TB =20hr ;				
S23-2.02		Align to the conical seats locking into min of	2		01NOV07A	30NOV07A	30JAN08		100	0.00	0.00	ZMET =40 ;				
S23-2.03		Measure monuments on fixture and walls.	7		01NOV07A	30NOV07A	08FEB08		100	0.00	0.00	ZMET =140 ;				
S23-2.04		Measure tooling ball monuments	1		01NOV07A	30NOV07A	11FEB08		100	0.00	0.00	ZMET =20 ;				
S23-2.05		Scan the B flange of A3	1		01NOV07A	30NOV07A	12FEB08		100	0.00	0.00	ZMET =20 ;				
S23-2.07		Remove A3 move to holding area.	1		01NOV07A	30NOV07A	13FEB08		100	1,602.20	1,602.20	EM/TB =20hr ;				
S23-2.08		Measure B3 "A" flange	14		01NOV07A	30NOV07A	04MAR08		100	3,204.40	3,204.40	EM/TB =40hr ; ZMET =220 ;				
S23-2.11		Measure C3 "A" flange	13		14JAN08	30JAN08	21MAR08	35		0.00	3,204.40	EM/TB =40hr ; ZMET =220 ;				
S23-2.14		Measure Type A3-A4 "A" flange	13		31JAN08	18FEB08	09APR08	35		0.00	3,204.40	EM/TB =40hr ; ZMET =220 ;				
S23-3.02		Compress alumina shims sort by thickness	4		19FEB08	22FEB08	15APR08	35		0.00	4,806.60	EM/TB =60hr ;				
S23-4.02		Perform metrology set-up and checks	2		25FEB08	26FEB08	17APR08	35		0.00	0.00	ZMET =40 ;				
S23-4.03		Ready For Preassembly A3B3C3	0		27FEB08	26FEB08	17APR08	35		0.00	0.00					
Pre measurement of MCHP A4,B4,C4 flanges																
S24-1.01		Verify mating MC's of MCHP will come	4		27FEB08	03MAR08	23APR08	35		0.00	6,408.80	EM/TB =80hr ;				
S24-1.02		Epoxy paint all close fitting interfacing	3		04MAR08	06MAR08	28APR08	35		0.00	4,806.60	EM/TB =60hr ;				
S24-2.08		Measure B4 "A" flange	14	1	07MAR08	26MAR08	16MAY08	35		0.00	3,204.40	EM/TB =40hr ; ZMET =220 ;				
S24-2.11		Measure C4 "A" flange	13	1	01NOV07A	30NOV07A	05JUN08	100		3,204.40	3,204.40	EM/TB =40hr ; ZMET =220 ;				
S24-2.14		Measure Type A3-A4 "A" flange	13	1	27MAR08	14APR08	24JUN08	35		0.00	3,204.40	EM/TB =40hr ; ZMET =220 ;				
S24-3.02		Compress alumina shims sort by thickness	4		15APR08	18APR08	30JUN08	35		0.00	6,408.80	EM/TB =80hr ;				

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S24-4.02		Perform metrology set-up and checks	2		21APR08	22APR08	02JUL08	35		0.00	0.00								
S24-4.03		Ready For Preassembly A4B4C4	0		23APR08	22APR08	02JUL08	35		0.00	0.00								
Pre measurement of MCHP A5,B5,C5 flanges																			
S25-1.01		Verify mating MC's of MCHP will come	4		23APR08	28APR08	09JUL08	35		0.00	6,408.80								
S25-1.02		Epoxy paint all close fitting interfacing	3		29APR08	01MAY08	14JUL08	35		0.00	4,806.60								
S25-2.01		Set the A5 coil on fixture, A side flange	1		02MAY08	02MAY08	15JUL08	35		0.00	1,602.20								
S25-2.02		Align to the conical seats locking into min of	2		05MAY08	06MAY08	17JUL08	35		0.00	0.00								
S25-2.03		Measure monuments on fixture and walls.	7		07MAY08	15MAY08	28JUL08	35		0.00	0.00								
S25-2.04		Measure tooling ball monuments	1		16MAY08	16MAY08	29JUL08	35		0.00	0.00								
S25-2.05		Scan the B flange of A5	1		19MAY08	19MAY08	30JUL08	35		0.00	0.00								
S25-2.07		Remove A5 move to holding area.	1		20MAY08	20MAY08	31JUL08	35		0.00	1,602.20								
S25-2.08		Measure B5 "A" flange	14		21MAY08	10JUN08	20AUG08	35		0.00	3,204.40								
S25-2.11		Measure C5 "A" flange	13		11JUN08	27JUN08	09SEP08	35		0.00	3,204.40								
S25-2.14		Measure Type A5-A6 "A" flange	13		30JUN08	17JUL08	26SEP08	35		0.00	3,204.40								
S25-3.02		Compress alumina shims sort by thickness	4		18JUL08	23JUL08	02OCT08	35		0.00	4,806.60								
S25-4.02		Perform metrology set-up and checks	2		24JUL08	25JUL08	06OCT08	35		0.00	0.00								
S25-4.03		Ready For Preassembly A5B5C5	0		28JUL08	25JUL08	06OCT08	35		0.00	0.00								
Pre measurement of MCHP A6,B6,C6 flanges																			
S26-1.01		Verify mating MC's of MCHP will come	4		28JUL08	31JUL08	10OCT08	35		0.00	6,408.80								
S26-1.02		Epoxy paint all close fitting interfacing	3		01AUG08	05AUG08	15OCT08	35		0.00	4,806.60								
S26-2.08		Measure B6 "A" flange	14	1	06AUG08	25AUG08	04NOV08	35		0.00	3,204.40								
S26-2.11		Measure C6 "A" flange	13	1	26AUG08	12SEP08	21NOV08	35		0.00	3,204.40								
S26-2.14		Measure Type A5-A6 "A" flange	13	1	15SEP08	01OCT08	12DEC08	35		0.00	3,211.63								
S26-3.02		Compress alumina shims sort by thickness	4		02OCT08	07OCT08	18DEC08	35		0.00	6,596.80								
S26-4.02		Perform metrology set-up and checks	2		08OCT08	09OCT08	22DEC08	35		0.00	0.00								
S26-4.03		Ready For Preassembly A6B6C6	0		10OCT08	09OCT08	22DEC08	35		0.00	0.00								
<b>Station 2-MC Sub Assy A1-B1-C1</b>																			
Station 2c (1st 20 deg wedge)																			
S21-5.00Z		BEGIN A-B Pre-assembly	0	1		03DEC07*		-36		0.00	0.00								
2-1-4.02		Perform metrology set-up and checks	2	1	14DEC07*	17DEC07		-44		0.00	0.00								
2-1-6.01		Follow the steps defined in Section 2 of the	3	1	18DEC07*	20DEC07		-44		0.00	1,602.20								
2-1-6.02		Using the Type-A (B-flange) inboard shim	1	1	02JAN08	02JAN08		-44		0.00	1,602.20								
2-1-6.03		Place an initial set of alumina shims (4-8) on	1	1	14JAN08	14JAN08		-51		0.00	0.00								
2-1-6.05		Lower the mating $\delta$ B $\delta$ coil into position.	1	1	14JAN08	14JAN08		-51		0.00	1,602.20								
2-1-6.051		Perform an alignment to the $\delta$ B $\delta$ coil tooling	1	1	15JAN08	15JAN08		-51		0.00	0.00								
2-1-6.06		Install the jack screws and dial indicators for	1	1	16JAN08	16JAN08		-51		0.00	0.00								
2-1-6.07		Using three selected monuments on the $\delta$ B $\delta$	1	1	17JAN08	17JAN08		-51		0.00	0.00								
2-1-6.08		Install the remaining alumina coated shims;	1	1	18JAN08	18JAN08		-51		0.00	1,602.20								
2-1-6.09		Make a hand "wiggle" test (rotate on bolt) on	1	1	21JAN08	21JAN08		-51		0.00	801.10								
2-1-6.1		After tightening, measure the position of all	2	1	22JAN08	23JAN08		-51		0.00	0.00								

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2-1-6.11		Measure the shim puck height (at a number	1	1	23JAN08	23JAN08		-51		0.00	801.10				
2-1-6.12		Unfasten bolts and raise the "B" coil in	1	1	24JAN08	24JAN08		-51		0.00	1,602.20				
2-1-6.13		"Lightly" tack weld the nose flex shims to	1	1	25JAN08	25JAN08		-51		0.00	801.10				
2-1-6.14		Unfasten all bolts and remove the "B" coil	1	1	28JAN08	28JAN08		-51		0.00	801.10				
2-1-6.15		Recheck the part alignment of the "A" coil to	1	1	29JAN08	29JAN08		-51		0.00	1,602.20				
2-1-6.151		Weld all Type-A flex shims to the plasma	1	1	30JAN08	30JAN08		-51		0.00	1,602.20				
2-1-6.16		After welding the "A" coil nose shims	1	1	31JAN08	31JAN08		-51		0.00	0.00				
2-1-6.17		Time needs to be allocated for a back office	5	1	01FEB08	07FEB08		-51		0.00	0.00				
2-1-6.18		On the separate fixture measure the "B"	1	1	04FEB08	04FEB08		-51		0.00	0.00				
2-1-6.19		With the successful "A" coil weld operation,	1	1	05FEB08	05FEB08		-51		0.00	1,602.20				
2-1-6.2		After welding the "B" coil nose shims	1	1	06FEB08	06FEB08		-51		0.00	0.00				
2-1-6.21		Time needs to be allocated for a back office	7	1	07FEB08	15FEB08		-51		0.00	0.00				
2-1-6.22		Remove alumina shims as necessary except	0	1	08FEB08	07FEB08		-51		0.00	0.00				
2-1-6.23		Lower the mating ôBö coil into position.	1	1	08FEB08	08FEB08		-51		0.00	1,602.20				
2-1-6.231		Perform an alignment to the ôBö coil tooling	1	1	11FEB08	11FEB08		-51		0.00	1,602.20				
2-1-6.24		Using three selected monuments on the ôBö	1	1	12FEB08	12FEB08		-51		0.00	1,602.20				
2-1-6.25		Raise the "B" coil slightly and install the rem	1	1	13FEB08	13FEB08		-51		0.00	1,602.20				
2-1-6.26		Make a hand "wiggle" test (rotate on bolt) on	1	1	14FEB08	14FEB08		-51		0.00	801.10				
2-1-6.27		After tightening, measure the position of all	1	1	15FEB08	15FEB08		-51		0.00	0.00				
2-1-6.28		Unfasten the bolts, lift the ôBö coil enough	7	1	18FEB08	26FEB08		-51		0.00	1,602.20				
2-1-6.29		If a revised set of shims is required, install	3	1	19FEB08	21FEB08		-51		0.00	4,806.60				
2-1-6.3		With a successful Fuji load pattern, unfasten	4	1	22FEB08	27FEB08		-51		0.00	3,204.40				
2-1-6.31		If the above step does not fall within .007" or	2	1	26FEB08	27FEB08		-51		0.00	1,602.20				
2-1-6.32		One hole at a time, remove the supernut.	2	1	27FEB08	28FEB08		-51		0.00	3,204.40				
2-1-6.33		After super bolt tightening, measure the	1	1	29FEB08	29FEB08		-51		0.00	0.00				
2-1-6.36		Tighten all bolts to their final torque.	2	1	03MAR08	04MAR08		-51		0.00	801.10				
2-1-6.37		After tightening hardware, measure the	1	1	04MAR08	04MAR08		-51		0.00	0.00				
2-1-6.38		Weld the A / B nose region solenoid side	2	1	05MAR08	06MAR08		-51		0.00	3,204.40				
2-1-6.39		Measure the positions of all monuments per	1	1	07MAR08	07MAR08		-51		0.00	0.00				
2-1-6.4		Review the above results with Back Office.	7	1	10MAR08	18MAR08		-51		0.00	0.00				
2-1-6.41		Identify, if possible, a set of monuments that	0	1	19MAR08	18MAR08		-51		0.00	0.00				
2-1-6.42		Fill all lose bushings with Stycast 2850FT	1	1	19MAR08	19MAR08		-51		0.00	1,602.20				
2-1-6.43		Scan the "B" flange (datum ôEö) of the ôBö	1	1	20MAR08	20MAR08		-51		0.00	0.00				
2-1-6.44		Using the "B" flange (datum "E")	2	1	21MAR08	24MAR08		-51		0.00	0.00				
2-1-6.45		Compress alumina coated shims and sort by	1	1	25MAR08	25MAR08		-51		0.00	1,602.20				
Station 2d (1st 40 deg wedge)															
2-1-7.01		Bolt the "A" coil to its fixture and lift the (	3	1	26MAR08	28MAR08		-51		0.00	4,806.60				
2-1-7.02		Select a subset of monuments identified in	0	1	31MAR08	28MAR08		-51		0.00	0.00				
2-1-7.03		Align to the set of monuments selected in	1	1	31MAR08	31MAR08		-51		0.00	0.00				



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year				
												FY08	FY09	FY10	FY11	
2-1-7.04		Establish a set of global monuments, on the	1	1	01APR08	01APR08		-51		0.00	0.00					
2-1-7.05		Using the Type-B (B-flange) inboard shim	1	1	02APR08	02APR08		-51		0.00	1,602.20					
2-1-7.06		Place an initial set of alumina shims (4-8) on	0	1	03APR08	02APR08		-51		0.00	0.00					
2-1-7.07		Place unfilled shim bags in the wing areas	0	1	03APR08	02APR08		-51		0.00	0.00					
2-1-7.08		Lower the mating δCö coil into position.	1	1	03APR08	03APR08		-51		0.00	1,602.20					
2-1-7.081		Perform an alignment to the δCö coil tooling	1	1	04APR08	04APR08		-51		0.00	0.00					
2-1-7.09		Install the jack screws and dial indicators for	1	1	07APR08	07APR08		-51		0.00	0.00					
2-1-7.1		Using three selected monuments on the δCö	1	1	08APR08	08APR08		-51		0.00	1,602.20					
2-1-7.11		Install the remaining alumina coated shims;	1	1	09APR08	09APR08		-51		0.00	1,602.20					
2-1-7.12		Make a hand "wiggle" test (rotate on bolt) on	1	1	10APR08	10APR08		-51		0.00	801.10					
2-1-7.13		After tightening, measure the position of all	1	1	11APR08	11APR08		-51		0.00	0.00					
2-1-7.14		Measure the shim puck height (at a number	1	1	14APR08	14APR08		-51		0.00	801.10					
2-1-7.15		Unfasten bolts and raise the "C" coil in	1	1	15APR08	15APR08		-51		0.00	1,602.20					
2-1-7.16		"Lightly" tack weld the nose flex shims to	1	1	16APR08	16APR08		-51		0.00	801.10					
2-1-7.17		Unfasten all bolts and remove the "C" coil	1	1	17APR08	17APR08		-51		0.00	801.10					
2-1-7.18		Recheck the part alignment of the "A / B"	2	1	18APR08	21APR08		-51		0.00	0.00					
2-1-7.19		After welding the "B" coil nose shims	1	1	22APR08	22APR08		-51		0.00	0.00					
2-1-7.2		Time needs to be allocated for a back office	1	1	23APR08	23APR08		-51		0.00	0.00					
2-1-7.21		On the separate fixture measure the "C"	1	1	24APR08	24APR08		-51		0.00	0.00					
2-1-7.22		With the successful "A / B" coil weld	1	1	25APR08	25APR08		-51		0.00	1,602.20					
2-1-7.23		After welding the "C" coil nose shims	1	1	28APR08	28APR08		-51		0.00	0.00					
2-1-7.24		Time needs to be allocated for a back office	1	1	29APR08	29APR08		-51		0.00	0.00					
2-1-7.25		Remove alumina shims as necessary except	0	1	30APR08	29APR08		-51		0.00	0.00					
2-1-7.26		Lower the mating δCö coil into position.	1	1	30APR08	30APR08		-51		0.00	1,602.20					
2-1-7.261		Perform an alignment to the δCö coil tooling	1	1	01MAY08	01MAY08		-51		0.00	0.00					
2-1-7.27		Using three selected monuments on the δCö	1	1	02MAY08	02MAY08		-51		0.00	1,602.20					
2-1-7.28		Raise the "C" coil slightly and install the rem	1	1	05MAY08	05MAY08		-51		0.00	1,602.20					
2-1-7.29		Make a hand "wiggle" test (rotate on bolt) on	1	1	06MAY08	06MAY08		-51		0.00	801.10					
2-1-7.3		After tightening, measure the position of all	1	1	07MAY08	07MAY08		-51		0.00	2,403.30					
2-1-7.31		Unfasten the bolts, lift the δCö coil enough	1	1	08MAY08	08MAY08		-51		0.00	1,602.20					
2-1-7.32		If a revised set of shims is required, install	3	1	09MAY08	13MAY08		-51		0.00	4,806.60					
2-1-7.33		With a successful Fuji load pattern, unfasten	2	1	14MAY08	15MAY08		-51		0.00	3,204.40					
2-1-7.34		If the above step does not fall within .015" or	1	1	16MAY08	16MAY08		-51		0.00	1,602.20					
2-1-7.35		One hole at a time, remove the supernut.	2	1	19MAY08	20MAY08		-51		0.00	3,204.40					
2-1-7.36		After super bolt tightening (50 % value),	1	1	21MAY08	21MAY08		-51		0.00	0.00					
2-1-7.39		Tighten all bolts to their final torque.	1	1	22MAY08	22MAY08		-51		0.00	801.10					
2-1-7.4		After tightening hardware, measure the	1	1	23MAY08	23MAY08		-51		0.00	0.00					
2-1-7.41		Weld the B / C nose region solenoid side	2	1	27MAY08	28MAY08		-51		0.00	3,204.40					
2-1-7.42		Measure the positions of all monuments per	1	1	29MAY08	29MAY08		-51		0.00	0.00					

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year			
												FY08	FY09	FY10	FY11
2-1-7.43		Back office of above results and adjust wing	2	1	30MAY08	02JUN08		-51		0.00	0.00				
2-1-7.44		Fill all lose bushings with Stycast 2850FT	1	1	03JUN08	03JUN08		-51		0.00	1,602.20				
2-1-10.03		Inject stycast or some compound to fill in all	1	1	04JUN08	04JUN08		-51		0.00	1,602.20				
2-1-11.02		Make final metrology measurement of all	3	1	05JUN08	09JUN08		-51		0.00	0.00				
2-1-11.03		Using tension tester measure bolt length on	1	1	10JUN08	10JUN08		-51		0.00	801.10				
2-1-11.04		Mark part for identification	0	1	11JUN08	10JUN08		-51		0.00	0.00				
DOE-1Z		Notify DOE of scheduled station 3 lifts	0	1		28APR08		-51		0.00	0.00				
DOE-2Z		DOE review lift procedures	30	1	29APR08	10JUN08		-51		0.00	0.00				
DOE-3Z		DOE approval of scheduled station 3 lifts	0	1		10JUN08		-51		0.00	0.00				
2-1-11.05		Install lift support beams	2	1	11JUN08	12JUN08		-51		0.00	3,204.40				
2-1-11.06		Remove from stand and measure weight of	1	1	13JUN08	13JUN08		-51		0.00	1,602.20				
2-1-11.07		Move to holding area.	0	1	16JUN08	13JUN08		-51		0.00	0.00				
S21-11.07M	2	Complete 1st MCHP Assy (Sta 2)	0	1		13JUN08	09MAY08	-51		0.00	0.00				
<b>Station 2 MC Sub Assy A2-B2-C2</b>															
Station 2c (2nd 20 deg wedge)															
2-2-4.02		Perform metrology set-up and checks	2	1	21JAN08*	22JAN08		-53		0.00	0.00				
2-2-6.01		Follow the steps defined in Section 2 of the	4	1	23JAN08	28JAN08		-53		0.00	1,602.20				
2-2-6.02		Using the Type-A (B-flange) inboard shim	1	1	29JAN08	29JAN08		-53		0.00	1,602.20				
2-2-6.03		Place an initial set of alumina shims (4-8) on	0	1	30JAN08	29JAN08		-53		0.00	0.00				
2-2-6.04		Place unfilled shim bags in the wing areas	0	1	30JAN08	29JAN08		-53		0.00	0.00				
2-2-6.05		Lower the mating ôBö coil into position.	1	1	30JAN08	30JAN08		-53		0.00	1,602.20				
2-2-6.051		Perform an alignment to the ôBö coil tooling	1	1	31JAN08	31JAN08		-53		0.00	0.00				
2-2-6.06		Install the jack screws and dial indicators for	1	1	01FEB08	01FEB08		-53		0.00	0.00				
2-2-6.07		Using three selected monuments on the ôBö	1	1	04FEB08	04FEB08		-53		0.00	0.00				
2-2-6.08		Install the remaining alumina coated shims;	1	1	05FEB08	05FEB08		-53		0.00	1,602.20				
2-2-6.09		Make a hand "wiggle" test (rotate on bolt) on	1	1	06FEB08	06FEB08		-53		0.00	801.10				
2-2-6.1		After tightening, measure the position of all	1	1	07FEB08	07FEB08		-53		0.00	0.00				
2-2-6.11		Measure the shim puck height (at a number	1	1	08FEB08	08FEB08		-53		0.00	801.10				
2-2-6.12		Unfasten bolts and raise the "B" coil in	1	1	11FEB08*	11FEB08		-53		0.00	1,602.20				
2-2-6.13		"Lightly" tack weld the nose flex shims to	1	1	12FEB08	12FEB08		-53		0.00	801.10				
2-2-6.14		Unfasten all bolts and remove the "B" coil	1	1	13FEB08	13FEB08		-53		0.00	801.10				
2-2-6.15		Recheck the part alignment of the "A" coil to	1	1	14FEB08	14FEB08		-53		0.00	1,602.20				
2-2-6.151		Weld all Type-A flex shims to the plasma	1	1	15FEB08	15FEB08		-53		0.00	1,602.20				
2-2-6.16		After welding the "A" coil nose shims	1	1	18FEB08	18FEB08		-53		0.00	0.00				
2-2-6.17		Time needs to be allocated for a back office	1	1	19FEB08	19FEB08		-53		0.00	0.00				
2-2-6.18		On the separate fixture measure the "B"	1	1	20FEB08	20FEB08		-53		0.00	0.00				
2-2-6.19		With the successful "A" coil weld operation,	1	1	21FEB08	21FEB08		-53		0.00	1,602.20				
2-2-6.2		After welding the "B" coil nose shims	1	1	22FEB08	22FEB08		-53		0.00	0.00				
2-2-6.21		Time needs to be allocated for a back office	1	1	25FEB08	25FEB08		-53		0.00	0.00				
2-2-6.22		Remove alumina shims as necessary except	0	1	26FEB08	25FEB08		-53		0.00	0.00				

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year			
												FY08	FY09	FY10	FY11
2-2-6.23		Lower the mating δBö coil into position.	1	1	26FEB08	26FEB08		-53		0.00	1,602.20				
2-2-6.231		Perform an alignment to the δBö coil tooling	1	1	27FEB08	27FEB08		-53		0.00	1,602.20				
2-2-6.24		Using three selected monuments on the δBö	1	1	28FEB08	28FEB08		-53		0.00	1,602.20				
2-2-6.25		Raise the "B" coil slightly and install the rem	1	1	29FEB08	29FEB08		-53		0.00	1,602.20				
2-2-6.26		Make a hand "wiggle" test (rotate on bolt) on	1	1	03MAR08	03MAR08		-53		0.00	801.10				
2-2-6.27		After tightening, measure the position of all	1	1	04MAR08	04MAR08		-53		0.00	0.00				
2-2-6.28		If the above step does not fall within .007" or	1	1	05MAR08	05MAR08		-53		0.00	1,602.20				
2-2-6.29		One hole at a time, remove the supernut.	2	1	06MAR08	07MAR08		-53		0.00	3,204.40				
2-2-6.3		After super bolt tightening, measure the	1	1	10MAR08	10MAR08		-53		0.00	0.00				
2-2-6.33		Tighten all bolts to their final torque.	1	1	11MAR08	11MAR08		-53		0.00	801.10				
2-2-6.34		After tightening hardware, measure the	1	1	12MAR08	12MAR08		-53		0.00	0.00				
2-2-6.35		Weld the A / B nose region solenoid side	2	1	13MAR08	14MAR08		-53		0.00	3,204.40				
2-2-6.36		Measure the positions of all monuments per	1	1	17MAR08	17MAR08		-53		0.00	0.00				
2-2-6.37		Back office of above results and adjust wing	7	1	18MAR08	26MAR08		-53		0.00	0.00				
2-2-6.38		Identify, if possible, a set of monuments that	0	1	27MAR08	26MAR08		-53		0.00	0.00				
2-2-6.39		Fill all lose bushings with Stycast 2850FT	1	1	27MAR08	27MAR08		-53		0.00	1,602.20				
2-2-6.4		Scan the "B" flange (datum δEö) of the δBö	1	1	28MAR08	28MAR08		-53		0.00	0.00				
2-2-6.41		Using the "B" flange (datum "E")	2	1	31MAR08	01APR08		-53		0.00	0.00				
2-2-6.42		Compress alumina coated shims and sort by	1	1	02APR08	02APR08		-53		0.00	1,602.20				
Station 2d (2nd 40 deg wedge)															
2-2-7.01		Bolt the "A" coil to its fixture and lift the (	3	1	03APR08	07APR08		-53		0.00	4,806.60				
2-2-7.02		Select a subset of monuments identified in	0	1	08APR08	07APR08		-53		0.00	0.00				
2-2-7.03		Align to the set of monuments selected in	1	1	08APR08	08APR08		-53		0.00	0.00				
2-2-7.04		Establish a set of global monuments, on the	1	1	09APR08	09APR08		-53		0.00	0.00				
2-2-7.05		Using the Type-B (B-flange) inboard shim	1	1	10APR08	10APR08		-53		0.00	1,602.20				
2-2-7.06		Place an initial set of alumina shims (4-8) on	0	1	11APR08	10APR08		-53		0.00	0.00				
2-2-7.07		Place unfilled shim bags in the wing areas	0	1	11APR08	10APR08		-53		0.00	0.00				
2-2-7.08		Lower the mating δCö coil into position.	1	1	11APR08	11APR08		-53		0.00	1,602.20				
2-2-7.081		Perform an alignment to the δCö coil tooling	1	1	14APR08	14APR08		-53		0.00	0.00				
2-2-7.09		Install the jack screws and dial indicators for	1	1	15APR08	15APR08		-53		0.00	0.00				
2-2-7.1		Using three selected monuments on the δCö	1	1	16APR08	16APR08		-53		0.00	1,602.20				
2-2-7.11		Install the remaining alumina coated shims;	1	1	17APR08	17APR08		-53		0.00	1,602.20				
2-2-7.12		Make a hand "wiggle" test (rotate on bolt) on	1	1	18APR08	18APR08		-53		0.00	801.10				
2-2-7.13		After tightening, measure the position of all	1	1	21APR08	21APR08		-53		0.00	0.00				
2-2-7.14		Measure the shim puck height (at a number	1	1	22APR08	22APR08		-53		0.00	801.10				
2-2-7.15		Unfasten bolts and raise the "C" coil in	1	1	23APR08	23APR08		-53		0.00	1,602.20				
2-2-7.16		"Lightly" tack weld the nose flex shims to	1	1	24APR08	24APR08		-53		0.00	801.10				
2-2-7.17		Unfasten all bolts and remove the "C" coil	1	1	25APR08	25APR08		-53		0.00	801.10				
2-2-7.18		Recheck the part alignment of the "A / B"	2	1	28APR08	29APR08		-53		0.00	0.00				

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year									
												FY08	FY09	FY10	FY11						
2-2-7.19		After welding the "B" coil nose shims	1	1	30APR08	30APR08		-53		0.00	0.00										
2-2-7.2		Time needs to be allocated for a back office	1	1	01MAY08	01MAY08		-53		0.00	0.00										
2-2-7.21		On the separate fixture measure the "C"	1	1	02MAY08	02MAY08		-53		0.00	0.00										
2-2-7.22		With the successful "A / B" coil weld	1	1	05MAY08	05MAY08		-53		0.00	1,602.20										
2-2-7.23		After welding the "C" coil nose shims	1	1	06MAY08	06MAY08		-53		0.00	0.00										
2-2-7.24		Time needs to be allocated for a back office	1	1	07MAY08	07MAY08		-53		0.00	0.00										
2-2-7.25		Remove alumina shims as necessary except	0	1	08MAY08	07MAY08		-53		0.00	0.00										
2-2-7.26		Lower the mating ðCö coil into position.	1	1	08MAY08	08MAY08		-53		0.00	1,602.20										
2-2-7.261		Perform an alignment to the ðCö coil tooling	1	1	09MAY08	09MAY08		-53		0.00	0.00										
2-2-7.27		Using three selected monuments on the ðCö	1	1	12MAY08	12MAY08		-53		0.00	1,602.20										
2-2-7.28		Raise the "C" coil slightly and install the rem	1	1	13MAY08	13MAY08		-53		0.00	1,602.20										
2-2-7.29		Make a hand "wiggle" test (rotate on bolt) on	1	1	14MAY08	14MAY08		-53		0.00	801.10										
2-2-7.3		After tightening, measure the position of all	1	1	15MAY08	15MAY08		-53		0.00	2,403.30										
2-2-7.31		If the above step does not fall within .015" or	1	1	16MAY08	16MAY08		-53		0.00	1,602.20										
2-2-7.32		One hole at a time, remove the supernut.	2	1	19MAY08	20MAY08		-53		0.00	3,204.40										
2-2-7.33		After super bolt tightening, measure the	1	1	21MAY08	21MAY08		-53		0.00	0.00										
2-2-7.36		Tighten all bolts to their final torque.	1	1	22MAY08	22MAY08		-53		0.00	801.10										
2-2-7.37		After tightening hardware, measure the	1	1	23MAY08	23MAY08		-53		0.00	0.00										
2-2-7.38		Weld the B / C nose region solenoid side	2	1	27MAY08	28MAY08		-53		0.00	3,204.40										
2-2-7.39		Measure the positions of all monuments per	1	1	29MAY08	29MAY08		-53		0.00	0.00										
2-2-7.4		Back office of above results and adjust wing	2	1	30MAY08	02JUN08		-53		0.00	0.00										
2-2-7.41		Fill all lose bushings with Stycast 2850FT	1	1	03JUN08	03JUN08		-53		0.00	1,602.20										
2-2-8.01		Fill all wing bladders and cure	1	1	04JUN08	04JUN08		-53		0.00	1,602.20										
2-2-10.03		Inject stycast or some compound to fill in all	1	1	05JUN08	05JUN08		-53		0.00	1,602.20										
2-2-11.01		Measure the tooling balls on all coils. Save t	2	1	06JUN08	09JUN08		-53		0.00	0.00										
2-2-11.02		Install or identify three primary fiducials tha	2	1	10JUN08	11JUN08		-53		0.00	0.00										
2-2-11.03		Scan the ðBö flange of Type-C coil as well	3	1	12JUN08	16JUN08		-53		0.00	0.00										
2-2-11.04		Using tension tester measure bolt length on	1	1	17JUN08	17JUN08		-53		0.00	1,602.20										
2-2-11.05		Mark part for identification	0	1	18JUN08	17JUN08		-53		0.00	0.00										
2-2-11.06		Install lift support beams	2	1	18JUN08	19JUN08		-53		0.00	3,204.40										
2-2-11.07		Remove from stand and measure weight of	2	1	20JUN08	23JUN08		-53		0.00	3,204.40										
2-2-11.08		Make final metrology measurement of all	5	1	24JUN08	30JUN08		-53		0.00	0.00										
2-2-11.09		Using tension tester measure bolt length on	1	1	01JUL08	01JUL08		-53		0.00	0.00										
<b>Station 2-Modular Coil Subassembly-FP#2</b>																					
S23-A3B3C3		Assemble/Align Mod-Coils A3/B3/C3	140	1	16JUN08	12JAN09	26NOV08	-34		0.00	172,552.28						<b>EM/TB =2,125hr ; ZMET =740 ;</b>				
S24-A4B4C4		Assemble/Align Mod-Coils A4/B4/C4	97	1	21JUL08	05DEC08	18NOV08	-5		0.00	108,434.62						<b>EM/TB =1335hr ; ZMET =620 ;</b>				
<b>Station 2-Modular Coil Subassembly-FP#3</b>																					
S25-A5B5C5		Assemble/Align Mod-Coils A5/B5/C5 (under 1	86	1	01OCT08*	10FEB09	16FEB09	-10		0.00	125,174.28						<b>EM/TB =1518hr ; ZMET =528 ;</b>				

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Fiscal Year				
												FY08	FY09	FY10	FY11	
S25A5B5C52		Assemble/Align Mod-Coils A5/B5/C5 (under 2	20	2	11FEB09*	10MAR09	16MAR09	-10		0.00	50,053.22					EM/TB =607hr ; ZMET =212 ;
S26-A6B6C6		Assemble/Align Mod-Coils A6/B6/C6	36	1	06FEB09*	27MAR09	19FEB09	-41		0.00	56,732.48					EM/TB =688hr ; ZMET =320 ;
S26A6B6C62		Assemble/Align Mod-Coils A6/B6/C6	24	2	30MAR09*	30APR09	25MAR09	-41		0.00	53,351.62					EM/TB =647hr ; ZMET =300 ;
<b>Station 3 Setup/Preparations/General</b>																
R1810-2109		Begin Station 3	0	1	20MAR08*			-10		0.00	0.00					
R1810-3102		Misc M&S	65	1	03APR08*	03JUL08	03JUL08	1,060		0.00	6,540.00					41=05\$K ;
S31-1.01		Install Station 3 site monuments	3	1	20MAR08	24MAR08	05MAR08	-10		0.00	7,422.60					41=02\$K ; EM/TB =60hr ;
R1810-3104		Procure 3 legged actuator system	20	1	01SEP07A	28SEP07A	26OCT07	100		54,868.00	54,868.00					41=43\$K ;
S31-1.02		Install floor mounted tracks and VV base	5	1	28MAY08	03JUN08	12MAR08	-51		0.00	9,319.00					41=01\$K ; EM/TB =100hr ;
R1810-3106		Load test 3 ledged actuator system	3	1	03DEC07	05DEC07	31OCT07	58		0.00	7,690.56					EM/TB =96hr ;
R1810-3108		Procure ,Fabricate 3 legged actuator lift	20	1	03DEC07*	08JAN08	26OCT07	33		0.00	7,848.00					41=06\$K ;
R1810-3112		Load Test 3 legged actuator lift fixtur	8	1	09JAN08	18JAN08	07NOV07	33		0.00	10,254.08					EM/TB =128hr ;
S31-1.03		Establish the MCHP CG location.	2	1	04JUN08	05JUN08	14MAR08	-51		0.00	3,204.40					EM/TB =40hr ;
R1810-3150		Fab New legs	4	1	03DEC07*	06DEC07	04OCT07	47		0.00	5,127.04					EM/TB =64hr ;
S31-2.01		Install MCHP support cart assemblies	4	1	06JUN08	11JUN08	20MAR08	-51		0.00	6,408.80					EM/TB =80hr ;
R1810-3103		Install station 3 platforms (8 required)	4	1	10DEC07	13DEC07	23NOV07	46		0.00	22,052.32					EM/TB =112hr ; 41=10\$K ;
R1810-3107		Test out station 3 equipment and	4	1	14DEC07	19DEC07	03DEC07	46		0.00	13,080.00					EM/TB =80hr ; 41=10\$K ;
R1810-3109		Begin assy of first field period assy	2	1	20DEC07	21DEC07	05DEC07	46		0.00	52,320.00					EM/TB =40
S31-2.02		Verify cart motion.	2	1	12JUN08	13JUN08	24MAR08	-51		0.00	3,204.40					EM/TB =40hr ;
S31-2.03		Install adjustor bar support weldment	0	1	16JUN08	13JUN08	24MAR08	-51		0.00	0.00					EM/TB =00hr ;
<b>+ Station 3-Assemble Mod Coils and VVSA-FP#1</b>			143	1	16JUN08	15JAN09	29OCT08	-53		0.00	137,668.70					
<b>+ Station 3-Assemble Mod Coils and VVSA-FP#2</b>			73		16JAN09	28APR09	11MAR09	-53		0.00	161,185.20					
<b>+ Station 3-Assemble Mod Coils and VVSA-FP#3</b>			71	2	29APR09	07AUG09	08JUN09	-53		0.00	172,729.60					
<b>Job: 1815 - Field Period Assy -Station 5-VIOLA</b>																
<b>Setup/Preparations/General</b>																
R1810-5101		MTM NCR hardware re-purchase	25	1	01JUL08*	05AUG08	05AUG08	33		0.00	54,936.00					41=42\$K ;
R1810-5102		Monuments,reflectors,CCR's	10	1	01JUL08*	15JUL08	15JUL08	38		0.00	67,689.00					41=51.75\$K ;
R1810-5103		metrology network in NCSX TC	10	1	16JUL08	29JUL08	29JUL08	38		0.00	21,973.60					EM/TB =160hr ; 41=07\$K ;
R1810-5104		Misc for tooling	10	1	25AUG08*	08SEP08	08SEP08	33		0.00	0.00					
R1810-5112		Weld wire & welding supplies	25	1	01JUL08*	05AUG08	05AUG08	33		0.00	19,620.00					41=15\$K ;
R1810-5106		Testout Sta 5 equipt & procedures	5	1	06AUG08	12AUG08	12AUG08	33		0.00	12,817.60					EM/TB =160hr ;
R1810-5107		Check 3 sled interfaces adjust holes	12	1	13AUG08	28AUG08	28AUG08	33		0.00	30,762.24					EM/TB =384hr ;
R1810-5108		Fixtures installed-final metrology	6	1	29AUG08	08SEP08	08SEP08	33		0.00	15,381.12					EM/TB =192hr ;
<b>+ Station 5- Final FP Assy -FP#1 (in NCSX TC)</b>			142		16JAN09	05AUG09	29MAY09	-51		0.00	362,824.00					

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY			
												FY08	FY09	FY10	FY11
<b>+ Station 5- Final FP Assy -FP#2 (in NCSX TC)</b>															
			145		29APR09	20NOV09	05OCT09	-25		0.00	376,191.20				
<b>+ Station 5- Final FP Assy -FP#3 (in NCSX TC)</b>															
			122	2	10AUG09	10FEB10	13NOV09	-53		0.00	380,055.20				
<b>Williamson</b>															
<b>Job: 1416 - Mod Coil Type AB Fnl Dsn-WILLIAMSON</b>															
<b>Clamp hardware modifications</b>															
1416-204.1		Modify Type-B clamps for stud attachment	42*		01JUN07A	31JUL07A	13JUL07		100	7,786.00	7,786.00				
<b>Blanket thermal insulation</b>															
1416-304		Revise assembly models/drawings	5		01JUN07A	07JUL07A	07JUN07		100	9,343.20	9,343.20				
1416-305		Review and approve insulation concept	5		08JUN07A	14JUN07A	14JUN07		100	6,413.90	6,413.90				
1416-3198		Report Results & Issue Dwgs	0*		02JUL07A	31JUL07A	28JUN07		100	7,622.64	7,622.64				
<b>Top level assy models/drawings</b>															
1416-503		Complete models/drawings of power cable	125*		01JUL07A	07JAN08	21NOV07	45	30	5,713.77	19,045.90				
1416-504		Complete models/drawings of protective	80		01JUL07A	28SEP07A	21NOV07		100	18,686.40	18,686.40				
1416-507		Update, review and approve coil asm spec	21		02JUL07A	31JUL07A	28NOV07		100	12,457.60	12,457.60				
1416-508		Complete drawing rev to leads, terminal asm	168*		01MAY07A	30NOV07A	30MAY07		100	12,597.05	12,597.05				
1416-506	3	Check and promote top-level	125*		01JUL07A	07JAN08	21NOV07	45	95	12,020.94	12,653.62				
1416-509		MC Assy FDR	0			26JUL07A			100	0.00	0.00				
<b>Analysis and closeout documentation</b>															
1416-601	3	Prepare EM and structural analysis of leads	37*		03DEC07	31JAN08	06NOV07	1,169		0.00	110,106.72				
1416-602		Design memo KF structural analysis	164*		01JUN07A	30NOV07A	27NOV07		100	15,145.44	15,145.44				
1416-603		Update, review and approve FMECA	36*		01NOV07A	02JAN08	06DEC07	43	50	4,852.80	9,705.60				
1416-604		Finalize draft documents - materials, eddy	5		03JAN08	09JAN08	13DEC07	43		0.00	6,470.40				
1416-605	3	Prepare Type-ABC closeout FDR	15		10JAN08	30JAN08	14JAN08	43		0.00	11,646.72				
1416-606		Resolve FDR comments	15		31JAN08	20FEB08	04FEB08	43		0.00	11,646.72				
<b>Type C Design Closeout</b>															
1403-47C		Perform cool-down/warmup analysis	26		29APR09*	04JUN09	05NOV07	54		0.00	7,648.40				
<b>Job: 1421 - Mod Coil Interface Design-WILLIAMSON</b>															
<b>Outboard Interface-Bolted Joint Tests-Tension</b>															
1421-3067		Procure 2 studs f/joint test.Use existing part	11*		01AUG07A	15AUG07A	26JUL07		100	6,089.76	6,089.76				
1421-3075		Setup test fixture &perform JHA & pre-job	2		01OCT07A	31OCT07A	30JUL07		100	2,568.08	2,568.08				
1421-3077		Meas joint deflect vs preload & loss of	2		03OCT07A	30NOV07A	02AUG07		100	5,781.60	5,781.60				
1421-3079		Measure joint deflec & preload v. temp @80K	2		01NOV07A	30NOV07A	07AUG07		100	5,781.60	5,781.60				
1421-3084		Measure joint deflection&preload v.	5*		01NOV07A	30NOV07A	10AUG07		100	5,781.60	5,781.60				
1421-3087		Perform pullout tests for tapped holes	15*		03DEC07	21DEC07	15AUG07	1,191		0.00	5,781.60				
1421-3081		Meas joint deflect & preload v. time (days) at	2		01NOV07A	30NOV07A	13SEP07		100	38,544.00	38,544.00				

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
1421-3090		Document&conduct review of test results	35*		01NOV07A	21DEC07	20SEP07	49	50	3,215.80	6,431.60					
<b>Outboard Interface-Bolted Joint Tests-Shear</b>																
1421-3112B		Procure/fab parts for test&initial assembly	44		02JUL07A	31OCT07A	25JUL07		100	18,985.04	18,985.04					
1421-3115B		Assemble & test	70*		15OCT07A	31JAN08	10SEP07	1,149	60	35,864.52	59,774.20					
1421-3119B		Document test results	20		01FEB08	28FEB08	01OCT07	1,149		0.00	12,940.80					
<b>Inboard Interface-AB/BC/AA</b>																
IH1-001		Coil to coil scoping analysis	40*		01JUN07A	27JUL07A	27JUL07		100	116,974.40	116,974.40					
1421-3125		Determine geometry&location of high COF	66*		01MAY07A	31JUL07A	26JUN07		100	12,457.60	12,457.60					
1421-3127		Structural analyses to performance rqmts	23*		02JUL07A	31JUL07A	25JUL07		100	37,372.80	37,372.80					
1421-3131		10PDR prep for requirements,	5		02JUL07A	31JUL07A	01AUG07		100	6,228.80	6,228.80					
1421-3132		Review requirements - PDR	0			02AUG07A	01AUG07		100	0.00	0.00					
INTRF-049		prep winding form mods f/weld clamp	0		03DEC07	30NOV07	22AUG07	1,206	0	0.00	0.00					
INTRF-050		Complete Shim fabrication drawings	86		02JUL07A	27NOV07A	22AUG07		100	37,935.75	37,935.75					
INTRF-051		Release info for procurement of shim	21*		02JUL07A	31JUL07A	31JUL07		100	3,737.28	3,737.28					
1421-3134		Issue interface dwgs for comment	52*		01MAY07A	13JUL07A	15AUG07		100	46,716.00	46,716.00					
INTRF-040		ANalysis of tensile loads (ORNL)	129*		01MAY07A	31OCT07A	15AUG07		100	50,175.01	50,175.01					
INTRF-064		PDR	0			18OCT07A			100	0.00	0.00					
INTRF-054		FDR prep AB/BC/AA inboard Interface	34*		19OCT07A	27NOV07A	04SEP07		100	12,863.20	12,863.20					
INTRF-055	2	AB/BC/AA inboard interface - FDR	0			27NOV07A	04SEP07		0	0.00	0.00					
1421-3138		Resolve issues, release assembly	10		03DEC07	14DEC07	11SEP07	-52		0.00	38,822.40					
<b>Inboard Interface-CC</b>																
IH1-000		ESTABLISH CONCEPT	25*		02JUL07A	31JUL07A	23JUL07		100	118,347.20	118,347.20					
IH1-0000		PEER REVIEW OF JOINT CONCEPT	1*			07AUG07A	02AUG07		100	0.00	0.00					
1421-3143		Add bolt holes to C winding form dwg CC	11			22AUG07A	17AUG07		100	21,800.80	21,800.80					
1421-3143X		Release dwg for add'l holes in C coil	0			22AUG07A	17AUG07		100	0.00	0.00					
1421-3145		Bolt reach & access study (mockup)	6		01OCT07A	08OCT07A	08OCT07		100	32,352.00	32,352.00					
1421-3146		Tooling development for C-C bolt	48		01OCT07A	31OCT07A			100	48,528.00	48,528.00					
1421-3140		50Prep C-C shim drawings and release	62*		01OCT07A	07JAN08	26OCT07	449	50	29,116.80	58,233.60					
1421-3142		FDR Prep for C-C joint	39		03DEC07	04FEB08	07JAN08	429		0.00	0.00					
1421-3144	3	Mod Coil C-C Joint - FDR	0	R		04FEB08	07JAN08	429		0.00	0.00					
<b>Weld Access test</b>																
INTRF-025		ORNL build plywood mockup of flange	20		02JUL07A	30JUL07A	11JUN07		100	51,800.80	51,800.80					
INTRF-030		ORNL verify weld access	7		02JUL07A	31JUL07A	20JUN07		100	45,228.80	45,228.80					
INTRF-010		Develop Weld Geometry Procedure	5		02JUL07A	31JUL07A	27JUN07		100	6,969.20	6,969.20					
<b>Outboard Interface</b>																
IH4-020		Prepare outboard shim dwgs and release	45		01MAY07A	25JUN07A	03JUL07		100	9,343.20	9,343.20					

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY				
												FY08	FY09	FY10	FY11	
INTRF-045	3	FDR prep outboard shims	10		25JUN07A	29JUN07A	18JUL07		100	6,228.80	6,228.80	ornlem=40				
INTRF-046		Outboard shims - FDR	0	R		29JUN07A	18JUL07		100	0.00	0.00					
INTRF-047		Resolve chit's and issue outboard shim	27*			07SEP07A	26JUL07		100	9,343.20	9,343.20	ornlem=60				
INTRF-048		FDR Bolted Joint	0			31JUL07A			100	0.00	0.00					
INTRF-100		Misc travel, meetings, reporting, job	207*		01MAY07A	29FEB08	29FEB08	1,148	LOE	167,826.82	233,092.79	35=3k; ornlem=1240; em/em=150				
REBASE1421		Re-baseline exercise	0*		01JUN07A	29JUN07A	15JUN07		100	39,864.32	39,864.32	ornlem=256				