





Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<b>cc 9450 - NCSX Fabrication (MIE)</b>																
<b>12 - Vacuum Vessel Systems</b>																
<b>Job: 1204 - VV Sys Procurements (nonVVSA)-DUDEK</b>																
<b>VV Vertical Supports</b>																
124-037		PPPL Fab VV Vert. Sprts (log # M1091) (complet	197		01NOV07	18AUG08	01MAY07A	1,029		0.00	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	0.00				
124-120		Award VV NB port cover	0			04NOV09*	04NOV09*	81		0.00	0.00	0.00				
124-130		VV NB port cover Fabrication	40		05NOV09	13JAN10	13JAN10	81		0.00	83,786.32	0.00				41=58.51\$K ;
<b>VV Local I&amp;C</b>																
1204-101		Drawings Signed -Local I&C	0			01MAY07A	01MAY07*	100		0.00	0.00	0.00				
1204-105		Issue req,Bid & Award -Local I&C	25		02MAY07A	06JUN07A	06JUN07	100		0.00	0.00	0.00				
1204-109		Award -Local I&C	0			06JUN07A	06JUN07	100		0.00	0.00	0.00				
1204-113		Deliver -Local I&C	40		07JUN07A	29JUN07A	02AUG07	100		34,400.96	34,400.96	0.00				41=27\$K ;
<b>Thermal Insulation</b>																
123-040		Issue req,Bid & Award insul boots	25		01NOV07	07DEC07	31MAR08	271		0.00	0.00	0.00				
123-045		Award Insulation Boots	0			30OCT07A	31MAR08*			0.00	0.00	0.00				
123-050		Fabricate& Deliver Insul Boots	54*		01OCT07A	17DEC07	02OCT08	271	50	36,460.50	72,921.00	36,460.50				41=56\$K ;
122-035		Issue req,Bid & Award Port Thermal Insulation	23*		15OCT07A	14NOV07	01APR08	222	50	0.00	0.00	0.00				
122-041		Award Port Thermal Insulation	0			01APR08*	01APR08*	132		0.00	0.00	0.00				
122-051		Deliver Port Thermal Insulation	20		02APR08	29APR08	28MAY08	132		0.00	32,700.00	0.00				41=25\$K ;
122-030		Issue req,Bid & Award Pourable Insulation	25		27AUG09	01OCT09	01OCT09	176		0.00	0.00	0.00				
122-036.9		Award Pourable Insulation	0			01OCT09*	01OCT09*	176		0.00	0.00	0.00				
122-037		Deliver Pourable Insulation	40		02OCT09	30NOV09	30NOV09	176		0.00	114,560.00	0.00				41=80\$K ;
<b>Heater Tape for Port Stub</b>																
1204-121		Drawings Signed Heater Tape for port stubs	0			31JUL07A	04SEP07*	100		0.00	0.00	0.00				
1204-125		Issue req,Bid & Award -Heater Tape for port stub	23*		15OCT07A	14NOV07	09OCT07	73		0.00	0.00	0.00				
1204-129		Award Heater Tape for port stubs	0			14NOV07	09OCT07	73		0.00	0.00	0.00				
1204-130		Deliver Heater Tape for port stubs	30		15NOV07	08JAN08	06DEC07	73		0.00	20,143.20	-8,057.28				41=15\$K ;
<b>T/C and Heater Tape Leads</b>																
1204-145		Issue req,Bid & Award-T/C and Heater Tape Leads	25		01MAY07A	01JUN07A	03OCT07	100		0.00	0.00	0.00				
1204-149		Award T/C and Heater Tape Leads	0			01JUN07A	03OCT07	100		0.00	0.00	0.00				
1204-153		Deliver T/C and Heater Tape Leads PE007375	126*		04JUN07A	28SEP07A	28NOV07	100		36,047.00	36,047.00	17,074.89				41=28.25\$K ;

Run Date 14NOV07 11:43

	Forecast
	Proposed Baseline
	Progress Bar
	Critical Activity

0710

**NCSX Project**  
**OCTOBER Status**  
 against proposed baseline

Sheet 1 of 41

Note:  
 1) Forecast dates in FP assy jobs 1810 & 1815 reflect preliminary asses:  
 assembly sequence plan rev 9  
 2) Trim coil (job 1354) reflects preliminary cost and schedule estimate fc

Sorted by WBS, and Job

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<b>Flux loop junction boxes and spacer templates</b>																
1204-173M		Material Delivery (design/fab in job 3101)	35		01JUN07A	29JUN07A	08AUG07		100	12,275.12	12,275.12	0.00				
<b>Job: 1250 - Vacuum Vessel Fabrication**CLOSED**</b>																
99.07W		Scrap value of Kirksite dies (minimum sale price	22*		01MAY07A	31MAY07A	31MAY07A		100	-161,694.72	-161,694.72	0.00				
99.08W		Retroactive mxh exclusion adjustment	22*		01JUL07A	31JUL07A	31AUG07A		100	-90,000.00	-90,000.00	0.00				
<b>13 - Conventional Coils</b>																
<b>Job: 1361 - TF Fabrication-KALISH</b>																
<b>TF Title III and Fabrication Oversight</b>																
131-033		Title III engr	348*		01MAY07A	18SEP08	18SEP08	332	LOE	113,250.88	212,758.02	6.76				
<b>TF Fabrication Contract</b>																
1361C-101		Fab, Test & Deliver Coil #1	51*		01JUN07A	13AUG07A	20JUL07		100	27,210.00	27,210.00	0.00				
1361C-102		Fab, Test & Deliver Coil #2	61*		01JUN07A	27AUG07A	03AUG07		100	43,590.00	43,590.00	0.00				
1361C-103		Fab, Test & Deliver Coil #3	86*		02JUL07A	05OCT07A	31AUG07		100	47,210.00	47,210.00	0.00				
1361C-104		Fab, Test & Deliver Coil #4	57*		01AUG07A	19OCT07A	28SEP07		100	47,210.00	47,210.00	0.00				
1361C-104M	2	** DELIVER TF COILS FOR FPA #1 ASSY **	0			19OCT07A	28SEP07			0.00	0.00	0.00				
1361C-105		Fab, Test & Deliver Coil #5	79*		01AUG07A	20NOV07	26OCT07	0	95	44,849.50	47,210.00	-2,360.50				
1361C-106	3	Fab, Test & Deliver Coil #6	29*		15OCT07A	26NOV07	23NOV07	403	70	33,047.00	47,210.00	33,047.00				
1361C-107		Fab, Test & Deliver Coil #7	47*		15OCT07A	20DEC07	21DEC07	394	25	11,802.50	47,210.00	11,802.50				
1361C-108		Fab, Test & Deliver Coil #8	1		18JAN08*	18JAN08	18JAN08	380		0.00	47,210.00	0.00				
1361C-109		Fab, Test & Deliver Coil #9	1		12FEB08*	12FEB08	12FEB08	374		0.00	47,210.00	0.00				
1361C-110		Fab, Test & Deliver Coil #10	1		06MAR08*	06MAR08	06MAR08	357		0.00	47,210.00	0.00				
1361C-111		Fab, Test & Deliver Coil #11	1		31MAR08*	31MAR08	31MAR08	348		0.00	47,210.00	0.00				
1361C-112		Fab, Test & Deliver Coil #12	1		23APR08*	23APR08	23APR08	331		0.00	47,210.00	0.00				
1361C-113		Fab, Test & Deliver Coil #13	1		16MAY08*	16MAY08	16MAY08	418		0.00	47,210.00	0.00				
1361C-114		Fab, Test & Deliver Coil #14	1		10JUN08*	10JUN08	10JUN08	402		0.00	47,210.00	0.00				
1361C-115		Fab, Test & Deliver Coil #15	1		03JUL08*	03JUL08	03JUL08	385		0.00	47,220.00	0.00				
1361C-116		Fab, Test & Deliver Coil #16	1		28JUL08*	28JUL08	28JUL08	369		0.00	47,220.00	0.00				
1361C-117		Fab, Test & Deliver Coil #17	1		20AUG08*	20AUG08	20AUG08	352		0.00	47,220.00	0.00				
1361C-118		Fab, Test & Deliver Coil #18	1		12SEP08*	12SEP08	12SEP08	336		0.00	47,220.00	0.00				
1351-195X	3	ALL TF COILS DELIVERED	0			18SEP08	18SEP08	332		0.00	0.00	0.00				
<b>FY07 Rebaseline Exercise</b>																
ECP53RBX03		FY07 Rebaseline exercise	22*		01MAY07A	31MAY07A	31MAY07A		100	1,393.84	1,393.84	0.00				
99.07X		Retroactive MHX exclusion	22*		01MAY07A	31MAY07A	31MAY07A		100	-38,281.20	-38,281.20	0.00				

EA/EM = 1060hr ; 35=05Sk ; 41=8 em/tb=68

LEVEL II MILESTONE DATE  
DECEMBER 2007

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY				
													FY08	FY09	FY10	FY11	
<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	0.00					
1302-200		Complete PF Coil SRD	6		01NOV07*	13NOV07	28AUG07	49	50	2,229.12	4,458.24	-2,229.12					
1302-205		Update PF Analysis	65*		06AUG07A	05NOV07	24OCT07	66	40	11,445.89	28,614.72	-17,168.83					
1302-210		Update PF Coil SDD	40		12SEP07A	19DEC07	21DEC07	66	50	2,201.87	4,403.73	1,651.40					
1302-211		Complete PF4 PDR Model	75*		30JUL07A	12NOV07	26SEP07	64	90	12,887.69	14,319.66	-1,431.97					
1302-212		Complete PF5 PDR Model	69*		07AUG07A	12NOV07	24OCT07	64	90	12,917.53	14,352.81	-1,435.28					
1302-213		Complete PF6 PDR Model	69*		07AUG07A	12NOV07	21NOV07	64	90	12,917.53	14,352.81	9,329.33					
1302-251		PDR Level Design Support	15		07AUG07A	29NOV07	23NOV07	1,207	20	2,155.07	10,775.34	-5,926.44					
1302-220		Prepare for PDR	4		14NOV07	19NOV07	07DEC07	63		0.00	16,346.88	0.00					
1302-225		PF Coils - PDR	1	R	20NOV07	20NOV07	11DEC07	63		0.00	2,972.16	0.00					
1302-240		Disposition PDR Chits	6		21NOV07	30NOV07	17JAN08	63		0.00	4,458.24	0.00					
1302-214		Prepare,Review & Approve conductor spec	16		03DEC07	02JAN08	29JAN08	63		0.00	2,972.16	0.00					
1302-216		Prepare,Review & Approve coil spec	16		03DEC07	02JAN08	26FEB08	73		0.00	8,916.48	0.00					
1302-235		Detail Drawings PF4	41		14NOV07	22JAN08	17JAN08	49		0.00	14,860.80	0.00					
1302-245		Detail Drawings PF5	41		14NOV07	22JAN08	14FEB08	49		0.00	14,860.80	0.00					
1302-260		Detail Drawings PF6	41		14NOV07	22JAN08	13MAR08	49		0.00	14,860.80	0.00					
1302-250		Analysis Support	41		14NOV07	22JAN08	13MAR08	49		0.00	13,003.20	0.00					
1302-217		Drawing Support	41		14NOV07	22JAN08	13MAR08	49		0.00	11,145.60	0.00					
1302-218		PF Stress Analysis with leads	20		20NOV07*	19DEC07	31JAN08	66		0.00	22,291.20	0.00					
1302-265		Prepare for FDR	10		23JAN08	05FEB08	20MAR08	49		0.00	19,319.04	0.00					
1302-270	3	PF Coils - FDR	0	R		05FEB08	24MAR08	49		0.00	0.00	0.00					
1302-275		Resolve FDR Chits	10		06FEB08	19FEB08	21APR08	154		0.00	14,860.80	0.00					
<b>Job: 1352 - PF Coil Procurement-KALISH</b>																	
<b>PF Coil Fabrication</b>																	
141-035		Bid & Award PF Coil Fabrication	45		06FEB08	08APR08	27MAY08	49		0.00	35,811.60	0.00					
141-036	2	PF Coils Awarded	0			08APR08	27MAY08	49		0.00	0.00	0.00					
141-037		Bid & Award Conductor	25		28MAR08	01MAY08	27MAY08	102		0.00	8,916.48	0.00					
141-038	3	PF Conductor Awarded	0			01MAY08*	27MAY08*	102		0.00	0.00	0.00					
141-038.1		PF Conductor Delivery	65		02MAY08	04AUG08	27AUG08	102		0.00	149,635.20	0.00					
141-039		Bid & Award Materials	25		27JUN08	01AUG08	01AUG08	58		0.00	8,916.48	0.00					
141-040		PF Materials Awarded	0			01AUG08*	01AUG08*	58		0.00	0.00	0.00					
1352-100		Materials Delivery PF 4,5,6	45		04AUG08	06OCT08	06OCT08	58		0.00	178,529.66	0.00					
1352-121		Design/Fab Tooling for PF 5	80		09APR08	31JUL08	18SEP08	49		0.00	280,747.50	0.00					
1352-122		Design/Fab Tooling for PF 6	80		28JUL08*	17NOV08	17NOV08	18		0.00	331,639.61	0.00					
1352-120		Tooling for PF 4	55		25JUL08*	10OCT08	10OCT08	54		0.00	74,072.29	0.00					
1352-150		Fabricate/Dlvr PF 4 lower	35		13OCT08	02DEC08	02DEC08	54		0.00	21,125.10	0.00					

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													FY08	FY09	FY10	FY11		
1352-151		Fabricate/Dlvr PF 4 upper	45		03DEC08	12FEB09	12FEB09	405		0.00	21,125.10	0.00						
1352-165		Fabricate/Dlvr PF 5 Lower	45		01AUG08	03OCT08	20NOV08	49		0.00	72,436.04	0.00						
1352-145		Fabricate/Dlvr PF 6 Lower	45		18NOV08	30JAN09	04FEB09	18		0.00	86,654.95	0.00						
1352-166		Fabricate/Dlvr PF 5 Upper	35		02FEB09	20MAR09	25MAR09	344		0.00	74,148.05	0.00						
1352-146		Fabricate/Dlvr PF 6 Upper	35		23MAR09	08MAY09	13MAY09	344		0.00	86,654.95	0.00						
141-031		Title III engr WBS 132	241		02MAY08	21APR09	14MAY09	863	LOE	0.00	148,047.05	0.00						
141-900		PF4 Lower Inspection & Test	5		03DEC08	09DEC08	09DEC08	54		0.00	3,561.30	0.00						
141-900A		PF4 Upper Inspection & Test	5		13FEB09	19FEB09	19FEB09	405		0.00	3,561.30	0.00						
141-901		PF5 Lower Inspection & Test	5		06OCT08	10OCT08	01DEC08	94		0.00	3,561.30	0.00						
141-902		PF6 Lower Inspection & Test	5		02FEB09	06FEB09	11FEB09	18		0.00	3,561.30	0.00						
141-905		PF5 Upper Inspection & Test	5		23MAR09	27MAR09	01APR09	379		0.00	3,561.30	0.00						
141-906		PF6 Upper Inspection & Test	5		11MAY09	15MAY09	20MAY09	344		0.00	3,561.30	0.00						
141-903		Refurbish PF 1a	20		18FEB10*	17MAR10	17MAR10	101		0.00	6,820.80	0.00						
141-904		Assemble PF1a and CS structure	30		18MAR10	28APR10	28APR10	101		0.00	21,550.00	0.00						
<b>Job: 1353 - CS Structure Procurement-DAHLGREN</b>																		
<b>CS Support Structure</b>																		
1353-001		Design PF1a upper to lower interconnect bus	12		07MAR08*	24MAR08	01JUN09	399		0.00	11,991.00	0.00						
1353-002		Engr & analysis of bus	14		25MAR08	11APR08	29JUN09	399		0.00	14,860.80	0.00						
1353-003		Bid & Award PF1a bus	39		30JUN09*	24AUG09	01SEP09	107		0.00	0.00	0.00						
1353-004		Award PF1a bus	0			24AUG09	01SEP09*	107		0.00	0.00	0.00						
1353-005		Fab & Deliver PF1a bus	130		25AUG09	09MAR10	17MAR10	107		0.00	48,108.00	0.00						
163-035		Bid & Award CS Support Struct	40		08JUL09	01SEP09	01SEP09	101		0.00	0.00	0.00						
163-036.9		Award CS Support Structure	0			01SEP09*	01SEP09*	101		0.00	0.00	0.00						
163-037		CS Support Structure Procurement/Fab	130		02SEP09	17MAR10	17MAR10	101		0.00	247,857.24	0.00						
163-015		Title III design CS sprt struc	170*		08JUL09	17MAR10	17MAR10	101	LOE	0.00	13,679.11	0.00						
<b>Job: 1354 - Trim Coil Design &amp; Procurement-KALISH</b>																		
<b>Trim Coil **Updated estimate**</b>																		
TRIM-010		Peer Review of Requirements	1		01NOV07*	01NOV07		21		0.00	1,486.08	0.00						
TRIM-020		Trim Coil System Requirements Document	10		02NOV07	15NOV07		21		0.00	4,458.24	0.00						
TRIM-030		Review and Approve SRD	5		16NOV07	26NOV07		71		0.00	0.00	0.00						
TRIM-040		Complete Trim Coil Magnetics Analysis	10		16NOV07	03DEC07		36		0.00	11,145.60	0.00						
TRIM-050		Complete Trim Coil Cooling Analysis	10		04DEC07	17DEC07		36		0.00	11,145.60	0.00						
TRIM-060		Modify PF Coil Structures	5		16NOV07	26NOV07		21		0.00	7,430.40	0.00						
TRIM-070		Complete Layout of Trim Coils	50		27NOV07	13FEB08		21		0.00	78,019.20	0.00						
TRIM-080		Stress Analysis of Coil and Structure	20		18DEC07	23JAN08		36		0.00	46,068.48	0.00						
TRIM-090		Prepare for PDR	7		14FEB08	22FEB08		21		0.00	11,888.64	0.00						
TRIM-100		Trim Coil PDR	1		25FEB08	25FEB08		21		0.00	2,229.12	0.00						
TRIM-101		** Trim Coil PDR **	0			25FEB08		21		0.00	0.00	0.00						
TRIM-110		Procure Trim Coil Insulation	50		26FEB08	05MAY08		134		0.00	54,818.28	0.00						

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													FY08	FY09	FY10	FY11								
TRIM-130		Prepare Conductor Procurement Spec	3		26FEB08	28FEB08		76		0.00	3,715.20	0.00												
TRIM-140		Review and Approve Conductor Spec.	5		29FEB08	06MAR08		76		0.00	0.00	0.00												
TRIM-120		Procure Trim Coil Conductor	100		07MAR08	28JUL08		76		0.00	25,571.40	0.00												
TRIM-170		Complete Trim Coil Detailed Drawings	20		26FEB08	24MAR08		21		0.00	29,721.60	0.00												
TRIM-180		Fabricate Trim Coil MockUps	20		25MAR08	21APR08		32		0.00	6,435.04	0.00												
TRIM-190		Use Mockup to Spot Bracket Locations	60		22APR08	16JUL08		32		0.00	2,767.84	0.00												
TRIM-200		Complete Trim Coil Structure Detail Drawings	10		25MAR08	07APR08		21		0.00	19,319.04	0.00												
TRIM-210		Prepare for FDR	7		08APR08	16APR08		21		0.00	11,888.64	0.00												
TRIM-220		Trim Coil + Structure FDR	1		17APR08	17APR08		21		0.00	2,229.12	0.00												
TRIM-221		** Trim Coil + Structure FDR **	0			17APR08		21		0.00	0.00	0.00												
TRIM-230		Resolve Chits	5		18APR08	24APR08		36		0.00	4,458.24	0.00												
TRIM-150		Prepare Trim Coil Procurement Spec.	10		26FEB08	10MAR08		36		0.00	8,916.48	0.00												
TRIM-160		Approve Procurement Spec	5		11MAR08	17MAR08		36		0.00	0.00	0.00												
TRIM-240		Trim Coil Procurement	25		25APR08	30MAY08		36		0.00	17,832.96	0.00												
TRIM-250		AWARD TRIM COIL PROCUREMENT	0			30MAY08		36		0.00	0.00	0.00												
TRIM-260		Vendor Design and Fixture Fabrication	80		02JUN08	23SEP08		36		0.00	393,381.00	0.00												
TRIM-270		Fabricate Trim Coils for FPA #1	45		24SEP08	25NOV08		36		0.00	143,384.45	0.00												
TRIM-275		Fabricate Trim Coils for FPA #2	45		26NOV08	09FEB09		63		0.00	129,672.38	0.00												
TRIM-280		Fabricate Trim Coils for FPA #3	45		10FEB09	13APR09		63		0.00	62,671.13	0.00												
TRIM-290		Procure Material for Structure	40		18APR08	13JUN08		21		0.00	7,430.40	0.00												
TRIM-300		Fabricate Brackets for 1st FPA	30		16JUN08	28JUL08		21		0.00	113,835.72	0.00												
TRIM-303		Fabricate Brackets for 2nd FPA	30		29JUL08	09SEP08		21		0.00	111,978.12	0.00												
TRIM-306		Fabricate Brackets for 3rd FPA	30		10SEP08	21OCT08		65		0.00	115,751.83	0.00												
TRIM-310		Install TC Brackets on Modular Coils 1st FPA	20	2	29JUL08*	25AUG08		24		0.00	38,683.77	0.00												
TRIM-311		Install TC Brackets on Modular Coils 2nd FPA	20	2	10SEP08*	07OCT08		21		0.00	38,967.47	0.00												
TRIM-312		Install TC Brackets on Modular Coils 3rd FPA	20	2	22OCT08*	18NOV08		65		0.00	39,818.57	0.00												
TRIM-320		Install Trim Coils On 1st FPA	8	2	28JAN09*	06FEB09		0		0.00	64,721.49	0.00												
TRIM-330		Install Trim Coils On 2nd FPA	8	2	03JUN09*	12JUN09		0		0.00	64,721.49	0.00												
TRIM-340		Install Trim Coils On 3rd FPA	8	2	14JUL09*	23JUL09		0		0.00	64,721.49	0.00												
TRIM-399		Title III support & oversight	231		02JUN08	05MAY09		853		0.00	116,413.25	0.00												
Job: 1355 - WBS 13 I&C Proc and Coil Assy-KALISH																								
TF/PF Local I&C																								
1355-101		Design, and Review	60		01FEB08*	24APR08	24APR08	83		0.00	11,145.60	0.00												
1355-103		Prepare Installation Procedures	20		25APR08	22MAY08	22MAY08	83		0.00	3,715.20	0.00												
1355-105		TF/PF Local I&C - FDR	1	R	23MAY08	23MAY08	23MAY08	83		0.00	1,486.08	0.00												
1355-107		Prep req,bid,award T/C and wire	20		27MAY08	23JUN08	23JUN08	83		0.00	2,229.12	0.00												
1355-109		Deliver of T/C and wire	40		24JUN08	19AUG08	19AUG08	83		0.00	13,080.00	0.00												
1355-111		Installation on PF4,5,6 Coils upon delivery	20		12JAN09	06FEB09	11FEB09	18		0.00	9,745.80	0.00												
1355-112		Installation on TF Coils upon delivery	45		01OCT08*	04DEC08	04DEC08	54		0.00	29,046.19	0.00												

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
1355-113		Installation on PF1a Coils upon delivery	3		15MAR10	17MAR10	17MAR10	101		0.00	1,561.87	0.00	EA/EM =1hr ; EM/TB =16hr ;			
<b>14 - Modular Coils</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	0.00				
<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	0.00	ORNL41=50hr ;			
<b>Blanket thermal insulation</b>																
1416-304		Revise assembly models/drawings	5		01JUN07A	07JUL07A	07JUN07		100	9,343.20	9,343.20	0.00	ORNL41=60hr ;			
1416-305		Review and approve insulation concept	5		08JUN07A	14JUN07A	14JUN07		100	6,413.90	6,413.90	0.00				
1416-3198		Report Results & Issue Dwgs	0*		02JUL07A	31JUL07A	28JUN07		100	7,622.64	7,622.64	0.00	ornlem=40; ea//em=8			
<b>Top level assy models/drawings</b>																
1416-503		Complete models/drawings of power cable connect	125*		01JUL07A	07JAN08	21NOV07	26	20	3,809.18	19,045.90	-11,665.61	ORNL41=120hr ;			
1416-504		Complete models/drawings of protective covers	80		01JUL07A	28SEP07A	21NOV07		100	18,686.40	18,686.40	3,503.70	ORNL41=120hr ;			
1416-507		Update, review and approve coil asm spec	21		02JUL07A	31JUL07A	28NOV07		100	12,457.60	12,457.60	11,801.94	ORNL41=80hr ;			
1416-508		Complete drawing rev to leads, terminal asm (ECN	168*		01MAY07A	07JAN08	30MAY07	26	95	11,916.56	12,543.75	-627.19	ORNL41=80hr ;			
1416-506	3	Check and promote top-level models/drawings	125*		01JUL07A	07JAN08	21NOV07	26	95	11,957.49	12,586.83	1,730.69	ORNL41=80hr ;			
1416-509		MC Assy FDR	0			26JUL07A			100	0.00	0.00	0.00				
<b>Analysis and closeout documentation</b>																
1416-601	3	Prepare EM and structural analysis of leads	57*		01NOV07	31JAN08	06NOV07	-2		0.00	110,106.72	-93,794.61	EA/EM =192hr ; ORNL41=60k (myatt) ornlem=80			
1416-602		Design memo KF structural analysis	164*		01JUN07A	31JAN08	27NOV07	-2	90	13,566.38	15,073.76	13,566.38	ORNL41=96hr ;			
1416-603		Update, review and approve FMECA	5		01FEB08	07FEB08	06DEC07	-2		0.00	9,705.60	0.00	ORNL41=60hr ;			
1416-604		Finalize draft documents - materials, eddy curre	5		08FEB08	14FEB08	13DEC07	-2		0.00	6,470.40	0.00	ORNL41=40hr ;			
1416-605	3	Prepare Type-ABC closeout FDR	15		15FEB08	06MAR08	14JAN08	-2		0.00	11,646.72	0.00	ORNL41=72hr ;			
1416-606		Resolve FDR comments	15		07MAR08	27MAR08	04FEB08	-2		0.00	11,646.72	0.00	ORNL41=72hr ;			
<b>Type C Design Closeout</b>																
1403-47C		Perform cool-down/warmup analysis	26		01NOV07*	10DEC07	05NOV07	422		0.00	7,430.40	-6,573.05	EA/EM =40hr ;			
<b>Job: 1408 - MC Winding Supplies-CHRZANOWSKI</b>																
1408-1		Procure Batt insulation	0*		01JUN07A	29JUN07A	31MAY07		100	10,208.00	10,208.00	0.00	41=08\$ ;			
1408-2		Epoxy (existing order)	187*		23MAY07A	25FEB08	25FEB08	44	LOE	35,132.84	58,166.95	-16.17	41=45\$ ;			
1408-3		Misc and safety supplies (\$7k/mo.)	188*		23MAY07A	26FEB08	26FEB08	180	LOE	48,944.77	81,438.89	-5.20	41=63\$ ;			
1408-4		Procure & Deliver Thermocouples PE007557	65*		01AUG07A	17OCT07A	11SEP07		100	66,745.31	66,745.31	0.00	41=52\$ ;			
1408-4.1		Procure & Deliver Strain Gages	65		01NOV07*	12FEB08	11MAR08	122		0.00	49,704.00	0.00	41=38\$ ;			
1408-5		Epoxy/glass for mold shell	164*		23MAY07A	23JAN08	23JAN08	45	LOE	11,558.46	16,775.71	-4.1	41=13\$ ;			
1408-6		VPI clean manifold contract	210*		23MAY07A	27MAR08	27MAR08	125	LOE	6,963.26	12,942.86	-1.23	41=10\$ ;			

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY					
													FY08	FY09	FY10	FY11		
1408-7		Misc tech shop support	250*		23MAY07A	22MAY08	22MAY08	118	LOE	22,657.68	50,127.62	0.00						
1408-8		Cutting hardware for flange bolts	250*		23MAY07A	22MAY08	22MAY08	1,089	LOE	1,758.03	3,889.44	0.00						
<b>Job: 1411 - MCWF Fabr. S005242-HEITZENROEDER</b>																		
99.09W		Retroactive mxh exclusion adjustment	213		01JUL07A	31JUL07A	31AUG07A		100	-90,000.00	-90,000.00	0.00						
MCWF-001		EIO Contract Accrued/cost to date =\$9,216,000k	213*		02OCT06A	30APR07A	30APR07A		100	0.00	0.00	0.00						
MCWF-002		EIO Contract TOTAL EAC =\$9,218,637k	213*		30APR07A	30APR07A	30APR07A		100	0.00	0.00	0.00						
MCWF-003		Contract closeout final cost increment	20		06JUN07A	06JUN07A			100	2,640.00	2,640.00	0.00						
MCWF-571		B6-MTM - machining/inspection	230*		06JUN06A	06JUN07A	06JUN07		100	0.00	0.00	0.00						
MCWF-581		B6-Receive at PPPL	0			07JUN07A	07JUN07		100	0.00	0.00	0.00						
MCWF-004		PPPL Overisght	28		01MAY07A	07JUN07A	08JUN07		100	6,969.20	6,969.20	0.00						
MCWF-301		C6-MTM - machining/inspection	313*		03APR06A	08MAY07A	08MAY07		100	0.00	0.00	0.00						
MCWF-311		C6-Receive at PPPL	0			09MAY07A	09MAY07		100	0.00	0.00	0.00						
<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	0.00						
P2-031		Receive C6, Prep& Instl Cladding	44	1.5	02JUL07A	24SEP07A	26FEB08		100	47,906.90	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	0.00						
P1-151		Receive A6, Prep& Instl Cladding	18*	1.5	08NOV07*	05DEC07	25OCT07	0		0.00	51,069.88	-51,069.88						
P3-151		Receive B6, Prep& Instl Cladding	58*	1.5	01SEP07A	26NOV07	03APR08	42	75	37,229.26	49,639.01	37,229.26						
<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	0.00						
P2-170		Instl Chill Plates,Tubing,Bag B4	31*	1	13JUN07A	26JUL07A	13JUL07		100	61,861.52	61,861.52	0.00						
P3-071		Wind coil B5	45*	1	11SEP07A	12NOV07	10DEC07	4	80	104,172.02	130,215.02	18,504.24						
P3-080		Instl Chill Plates,Tubing,Bag B5	26*	2	13NOV07	20DEC07	18JAN08	4		0.00	65,946.16	0.00						
P3-161		Wind coil B6	38	2	21DEC07	21FEB08	28MAY08	24		0.00	132,773.54	0.00						
P3-170		Instl Chill Plates,Tubing,Bag B6	22	2	22FEB08	24MAR08	27JUN08	24		0.00	65,946.16	0.00						
<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	0.00						
P2-131		Wind coil A5	53*	1	23MAY07A	31JUL07A	07AUG07		100	124,549.74	124,549.74	0.00						
P2-140		Instl Chl Plates,Tubing, Bag A5	26	1	30JUL07A	06SEP07A	09OCT07		100	61,861.52	61,861.52	0.00						
P2-041		Wind coil C6	36*	2	24SEP07A	12NOV07	18APR08	31	85	111,889.74	131,635.00	111,889.74						
P2-050		Instl Chl Plates,Tubing, Bag C6	22	2	13NOV07	14DEC07	20MAY08	77		0.00	65,946.16	0.00						
P1-161		Wind coil A6	38	2	06DEC07	25JAN08	20DEC07	46		0.00	132,773.54	-13,976.16						
P1-170		Instl Chill Plates,Tubing,Bag A6	22	2	28JAN08	26FEB08	30JAN08	46		0.00	65,946.16	0.00						

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<b>Station 5-VPI</b>																
P2-081V		VPI (Station 5) B3	11	2	10MAY07A	24MAY07A	24MAY07		100	44,840.62	44,840.62	0.00				
P3-081V		VPI (Station 5) B4	21	2	02JUL07A	31JUL07A	30JUL07		100	44,840.62	44,840.62	0.00				EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;
P1-081V		VPI (Station 5) A5	11	2	07SEP07A	21SEP07A	24OCT07		100	44,840.62	44,840.62	0.00				EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;
P2-051V		VPI (Station 5) C6	11	2	17DEC07	09JAN08	05JUN08	77		0.00	47,801.36	0.00				EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;
P2-171V		VPI (Station 5) B5	34*	2	07JAN08*	21FEB08	04FEB08	0		0.00	47,801.36	0.00				EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;
P1-171V		VPI (Station 5) A6	11	2	01MAY08*	15MAY08	15FEB08	0		0.00	47,801.36	0.00				EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;
P3-171V		VPI (Station 5) B6	11	2	28APR08*	12MAY08	15JUL08	0		0.00	47,801.36	0.00				EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;
P3-171VM	2	COMPLETE VPI OF 18th MOD COIL	0	2		12MAY08	15JUL08	78		0.00	0.00	0.00				EM/TB =16 ;
<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	0.00				EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;
P2-081C		Final Clamps & Warm Test (Station1) B3	12*	1		16AUG07A	16AUG07		100	24,415.54	24,415.54	0.00				EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;
P3-081C		Final Clamps & Warm Test (Station1) B4	62*	1	04AUG07A	03OCT07A	07SEP07		100	24,530.69	24,530.69	0.00				EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;
P1-081C		Final Clamps & Warm Test (Station1) A5	22*	1	15OCT07A	13NOV07	22NOV07	167	90	23,424.84	26,027.60	23,424.84				EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;
P2-051C		Final Clamps & Warm Test (Station1) C6	15	1	10JAN08	30JAN08	26JUN08	165		0.00	26,027.60	0.00				EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;
P3-171C		Final Clamps & Warm Test (Station1) B5	15	1	22FEB08	13MAR08	25FEB08	109		0.00	26,027.60	0.00				EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;
P1-171C		Final Clamps & Warm Test (Station1) A6	15	1	16MAY08	06JUN08	07MAR08	38		0.00	26,027.60	0.00				EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;
P2-171C		Final Clamps & Warm Test (Station1) B6	15	1	13MAY08	03JUN08	05AUG08	78		0.00	26,027.60	0.00				EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;
<b>LOE Oversight &amp; Supervision</b>																
145XSPRV-1		Winding Engineering oversight and supervision	298*		01MAY07A	09JUL08	09JUL08	1,057	LOE	230,166.74	531,562.91	60.65				Chrzanowski=120hrs/mo.;Meighan=120
145XSPRV-2		Winding Engineering oversight and supervision	250*		01MAY07A	30APR08	30APR08	1,105	LOE	78,396.85	151,931.88	0.00				Raftopolous=70hrs/mo.
145XSPRV-3		Winding Engineering oversight and supervision	337*		01MAY07A	03SEP08	03SEP08	1,018	LOE	67,627.28	176,572.52	37.21				Languish=70 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	0.00				EM/TB =209hr ;
PLTS-A2		Grinding -A2	111*	1	25JUN07A	30NOV07	10JUL07	-18	54	2,039.31	3,776.50	-1,737.19				EM/TB =49hr ;
PLTS-B1		Grinding -B1	42*	1	04SEP07A	05OCT07A	17JUL07		100	3,732.98	3,732.98	0.00				EM/TB =49hr ;
PLTS-A1		Grinding -A1	18	1		31AUG07A	12SEP07		100	6,688.35	6,688.35	0.00				EM/TB =89hr ;
PLTS-C1		Grinding & Drill Holes -C1	54*	1	14SEP07A	30NOV07	10OCT07	0	21	3,986.62	18,983.91	-14,997.29				EM/TB =240hr ;
PLTS-C2		Grinding & Drill Holes -C2	91*	1	02JUL07A	07NOV07	07NOV07	30	21	3,864.48	18,402.28	-9,937.23				EM/TB =240hr ;
PLTS-C3		Grinding & Drill Holes -C3	20	1	01OCT07A	07DEC07	07DEC07	101	1	192.26	19,226.40	192.26				EM/TB =240hr ;
PLTS-C4		Grinding & Drill Holes -C4	20	1	01OCT07A	15JAN08	15JAN08	108	1	192.26	19,226.40	192.26				EM/TB =240hr ;
PLTS-A3		Grinding -A3	43*	1	01OCT07A	30NOV07	22JAN08	94	96	3,768.37	3,925.39	3,768.37				EM/TB =49hr ;
PLTS-B3		Grinding -B3	43*	1	01OCT07A	30NOV07	29JAN08	106	96	3,768.37	3,925.39	3,768.37				EM/TB =49hr ;
PLTS-A4		Grinding -A4	43*	1	01OCT07A	30NOV07	05FEB08	105	96	3,768.37	3,925.39	3,768.37				EM/TB =49hr ;



Activity ID	MILE-STONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY				
													FY08	FY09	FY10	FY11	
PLTS-B4		Grinding -B4	5	1	01OCT07A	18JAN08	12FEB08	108	50	1,962.70	3,925.39	1,962.70					
PLTS-C5		Grinding & Drill Holes -C5	20	1	01OCT07A	15FEB08	11MAR08	108	1	192.26	19,226.40	192.26					
PLTS-A5		Grinding -A5	5	1	01OCT07A	22FEB08	18MAR08	108	3	117.76	3,925.39	117.76					
PLTS-B5		Grinding -B5	5	1	14MAR08	20MAR08	25MAR08	109		0.00	3,925.39	0.00					
PLTS-A6		Grinding -A6	5	1	01OCT07A	10JUN08	01APR08	38	51	2,001.95	3,925.39	2,001.95					
PLTS-B6		Grinding -B6	5	1	01OCT07A	10JUN08	12AUG08	78	4	157.02	3,925.39	157.02					
PLTS-C6		Grinding & Drill Holes -C6	20	1	31JAN08	27FEB08	10SEP08	165		0.00	19,226.40	0.00					
<b>Punchlist- Coil Technicians</b>																	
PLCT-A1		Insul,measure,TC, other punch list-A1	9	2	01AUG07A	05NOV07	10OCT07	-4	67	13,163.39	19,646.85	-6,483.46					
PLCT-A2		Insul,measure,TC, other punch list-A2	7	2	01AUG07A	06DEC07	18SEP07	-18	39	6,193.48	15,880.72	-9,687.24					
PLCT-B1		Insul,measure,TC, other punch list-B1	7	2	01AUG07A	07DEC07	27SEP07	-18	85	13,474.58	15,852.45	-2,377.87					
PLCT-C1		Insul,measure,TC, other punch list-C1	18	1	01AUG07A	13DEC07	05NOV07	-5	77	15,374.24	19,966.54	-1,264.54					
PLCT-B2		Insul,measure,TC other punch list-B2	7	2	04SEP07A	20DEC07	23AUG07	-5	22	3,539.71	16,089.61	-12,549.90					
PLCT-C2		Insul,measure,TC, other punch list-C2	9	2	03JUL07A	08JAN08	20NOV07	1	38	7,435.20	19,566.32	7,435.20					
PLCT-A3		Insul,measure,TC, other punch list-A3	17	1	05JUL07A	23JAN08	05MAR08	74	33	6,117.86	18,538.96	6,117.86					
PLCT-A4		Insul,measure,TC, other punch list-A4	17	1	06JUL07A	12FEB08	17APR08	74	18	3,342.08	18,567.11	3,342.08					
PLCT-B3		Insul,measure,TC, other punch list-B3	14	1	01OCT07A	27FEB08	25MAR08	74	22	3,630.59	16,502.66	3,630.59					
PLCT-C3		Insul,measure,TC, other punch list-C3	18	1	01OCT07A	14MAR08	11JAN08	74	38	7,884.43	20,748.49	7,884.43					
PLCT-B4		Insul,measure,TC, other punch list-B4	14	1	01OCT07A	28MAR08	07MAY08	74	31	5,115.82	16,502.66	5,115.82					
PLCT-C4		Insul,measure,TC, other punch list-C4	14	1	25JUL07A	10APR08	11FEB08	74	36	7,666.53	21,295.92	7,666.53					
PLCT-A5		Insul,measure,TC, other punch list-A5	14	1	30JUL07A	18APR08	23JUN08	74	56	8,896.61	15,886.80	8,896.61					
PLCT-A6		Insul,measure,TC,SG other punch list-A6	14	1	01OCT07A	30JUN08	01AUG08	38	2	330.05	16,502.66	330.05					
PLCT-B5		Insul,measure,TC, other punch list-B5	14	1	01OCT07A	21JUL08	14JUL08	38	2	330.05	16,502.66	330.05					
PLCT-C5		Insul,measure,TC, other punch list-C5	18	1	01OCT07A	29JUL08	03JUN08	44	64	13,073.95	20,428.05	13,073.95					
PLCT-B6		Insul,measure,TC,SG other punch list-B6	14	1	01OCT07A	18AUG08	02SEP08	44	2	330.05	16,502.66	330.05					
PLCT-C6		Insul,measure,TC,SG other punch list-C6	14	1	01OCT07A	08SEP08	30SEP08	44	2	328.45	16,422.55	328.45					
PLCT-C6M	2	COMPLETE MODULAR COIL FABRICATION	0	1		08SEP08	30SEP08	44		0.00	0.00	0.00					
<b>Job: 1421 - Mod Coil Interface Design-WILLIAMSON</b>																	
<b>Outboard Interface</b>																	
IH4-020		Prepare outboard shim dwgs and release	45		01MAY07A	25JUN07A	03JUL07		100	9,343.20	9,343.20	0.00					
INTRF-045	3	FDR prep outboard shims	10		25JUN07A	29JUN07A	18JUL07		100	6,228.80	6,228.80	0.00					
INTRF-046		Outboard shims - FDR	0	R		29JUN07A	18JUL07		100	0.00	0.00	0.00					
INTRF-047		Resolve chit's and issue outboard shim drawings	27*			07SEP07A	26JUL07		100	9,343.20	9,343.20	0.00					
INTRF-048		FDR Bolted Joint	0			31JUL07A			100	0.00	0.00	0.00					
<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	0.00					
1421-3075		Setup test fixture &perform JHA & pre-job brief	2		01OCT07A	31OCT07A	30JUL07			2,568.08	2,568.08	0.00					
1421-3077		Meas joint deflect vs preload & loss of preload	2		03OCT07A	02NOV07	02AUG07	53	10	578.16	5,781.60	-5,203.44					

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
1421-3079		Measure joint deflec & preload v. temp @80K	2		05NOV07	06NOV07	07AUG07	53		0.00	5,781.60	-5,781.60				
1421-3084		Measure joint deflection&preload v. cooldown cyc	2		07NOV07	08NOV07	10AUG07	53		0.00	5,781.60	-5,781.60				
1421-3087		Perform pullout tests for tapped holes	2		09NOV07	12NOV07	15AUG07	53		0.00	5,781.60	-5,781.60				
1421-3081		Meas joint deflect & preload v. time (days) at	2		13NOV07	14NOV07	13SEP07	53		0.00	38,544.00	-38,544.00				
1421-3090		Document&conduct review of test results	2		15NOV07	16NOV07	20SEP07	53		0.00	6,431.60	-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	0.00				
1421-3115B		Assemble & test	30*		15OCT07A	27NOV07	10SEP07	1,180	50	29,887.10	59,774.20	-29,887.10				
1421-3119B		Document test results	5		28NOV07	04DEC07	01OCT07	1,180		0.00	12,940.80	-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	0.00				
1421-3125		Determine geometry&location of high COF shims&pl	66*		01MAY07A	31JUL07A	26JUN07		100	12,457.60	12,457.60	0.00				
1421-3127		Structural analyses to performance rqmts for bol	23*		02JUL07A	31JUL07A	25JUL07		100	37,372.80	37,372.80	0.00				
1421-3131		10PDR prep for requirements, design,&development	5		02JUL07A	31JUL07A	01AUG07		100	6,228.80	6,228.80	0.00				
1421-3132		Review requirements - PDR	0			02AUG07A	01AUG07		100	0.00	0.00	0.00				
INTRF-049		prep winding form mods f/weld clamp boltsDELETED	0		01NOV07	31OCT07	22AUG07	1,226	0	0.00	0.00	0.00				
INTRF-050		Complete Shim fabrication drawings (ORNL)	86		02JUL07A	07NOV07	22AUG07	-38	95	35,927.89	37,818.83	-1,890.94				
INTRF-051		Release info for procurement of shim material	21*		02JUL07A	31JUL07A	31JUL07		100	3,737.28	3,737.28	0.00				
1421-3134		Issue interface dwgs for comment	52*		01MAY07A	13JUL07A	15AUG07		100	46,716.00	46,716.00	0.00				
INTRF-040		ANalysis of tensile loads (ORNL)	129*		01MAY07A	31OCT07A	15AUG07		100	50,175.01	50,175.01	0.00				
INTRF-064		PDR	0			18OCT07A			100	0.00	0.00	0.00				
INTRF-054		FDR prep AB/BC/AA inboard Interface	26*		19OCT07A	27NOV07	04SEP07	-38	20	2,572.64	12,863.20	-10,290.56				
INTRF-055	2	AB/BC/AA inboard interface - FDR	0			27NOV07*	04SEP07	-38	0	0.00	0.00	0.00				
1421-3138		Resolve issues, release assembly spec&drawings	10		28NOV07	11DEC07	11SEP07	-38		0.00	38,822.40	-38,822.40				
<b>Inboard Interface-CC</b>																
IH1-000		ESTABLISH CONCEPT	25*		02JUL07A	31JUL07A	23JUL07		100	118,347.20	118,347.20	0.00				
IH1-0000		PEER REVIEW OF JOINT CONCEPT	1*			07AUG07A	02AUG07		100	0.00	0.00	0.00				
1421-3143		Add bolt holes to C winding form dwg CC interfac	11			22AUG07A	17AUG07		100	21,800.80	21,800.80	0.00				
1421-3143X		Release dwg for add'l holes in C coil	0			22AUG07A	17AUG07		100	0.00	0.00	0.00				
1421-3145		Bolt reach & access study (mockup)	6		01OCT07A	08OCT07A	08OCT07		100	32,352.00	32,352.00	0.00				
1421-3146		Tooling development for C-C bolt access*NEW TASK	48		01OCT07A	31OCT07A			100	48,528.00	48,528.00	48,528.00				
1421-3140		Prep C-C shim drawings and release	62*		01OCT07A	07JAN08	26OCT07	449	60	34,940.16	58,233.60	-23,293.44				
1421-3142		FDR Prep for C-C joint	39		01NOV07	07JAN08	07JAN08	449		0.00	0.00	0.00				
1421-3144	3	Mod Coil C-C Joint - FDR	0	R		07JAN08	07JAN08	449		0.00	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	0.00				
INTRF-030		ORNL verify weld access	7		02JUL07A	31JUL07A	20JUN07		100	45,228.80	45,228.80	0.00				
INTRF-010		Develop Weld Geometry Procedure	5		02JUL07A	31JUL07A	27JUN07		100	6,969.20	6,969.20	0.00				

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<b>Job: 1429 - MC Interface R&amp;D-GETTELFINGER</b>																
<b>Outboard Interface-Friction</b>																
INTRF-100		Misc travel, meetings,reporting,job 1416&1421	207*		01MAY07A	29FEB08	29FEB08	1,148	LOE	145,216.81	233,092.79	-43.92				
REBASE1421		Re-baseline exercise	0*		01JUN07A	29JUN07A	15JUN07		100	39,864.32	39,864.32	0.00				
1429-3026		COF cyclic testing	0*		01MAY07A	18MAY07A	18MAY07		100	29,970.00	29,970.00	0.00				
1429-3027		Friction Life Test	32		02JUL07A	31JUL07A	15AUG07		100	29,397.18	29,397.18	0.00				
1429-3028		Edge loading&Superbolt torque tests 1&2	22		01OCT07A	04DEC07	16AUG07	1,204	50	15,670.16	31,340.30	-15,670.14				
1429-3029		Bolt Tests 3&4 Write Report (see 1421-3067to3090)	77*		01AUG07A	16NOV07	24AUG07	53	10	3,028.04	30,280.41	-27,252.37				
<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	0.00				
1421-3023		Test Bladders (finish by A6-B6 weld test)	10		05SEP07A	11SEP07A	30JUL07		100	0.00	0.00	0.00				
1421-3024		Prep Req, Bid,& Award Bladders	10		01NOV07*	14NOV07	13AUG07	79		0.00	0.00	0.00				
1421-3025		Deliver bladders	5		15NOV07	21NOV07	20AUG07	79		0.00	16,807.80	-16,807.80				
1421-3028		Bladders available for FPA	0			21NOV07	20AUG07	79		0.00	0.00	0.00				
<b>Bushings</b>																
1421-3105		Prep Req, Bid,& Award Bushings	5		01OCT07A	05OCT07A	21MAY07		100	0.00	0.00	0.00				
1421-3106		Deliver Bushings Material	6*		08OCT07A	15OCT07A	02JUL07		100	10,529.40	10,529.40	0.00				
1421-3107		PPPL Machine bushings Bushings FPA 1&2	20		01OCT07A	29OCT07A	29JUL08		100	29,560.59	29,560.59	21,812.85				
1421-3108		Bushings available for FPA 1	0		30OCT07A				100	0.00	0.00	0.00				
1421-3117		PPPL Machine bushings Bushings FPA 3	30		01NOV07	14DEC07		197		0.00	14,820.35	0.00				
1421-3118		Bushings available for FPA 3	0		17DEC07			197		0.00	0.00	0.00				
1421-3109		All Bushings delivered	0			14DEC07	29JUL08	197		0.00	0.00	0.00				
<b>MIG Welding</b>																
1429-3200		Order MIG welding equip	10		01NOV07*	14NOV07		2		0.00	0.00	0.00				
1429-3205		Deliver MIG welding equip	10		15NOV07	30NOV07		2		0.00	0.00	0.00				
1429-3215		Prep weld procedures	10		12DEC07*	03JAN08		-15		0.00	0.00	0.00				
1429-3220		Cut samples for weld qualification	10		02NOV07*	15NOV07		11		0.00	0.00	0.00				
1429-3225		Qualify welders	15		04JAN08	24JAN08		-15		0.00	0.00	0.00				
1429-3230		Welders qualified and MIG welder available	0			24JAN08		-15		0.00	0.00	0.00				
<b>Pucks</b>																
1429-3100		Determine Puck Material	0			11DEC07		-38		0.00	0.00	0.00				
1429-3105		Deliver bar stock	10		12DEC07	03JAN08		-38		0.00	0.00	0.00				
1429-3110		PPPL cut and grind to thickness	5		04JAN08	10JAN08		-38		0.00	0.00	0.00				
1429-3115		Pucks ready for assy	0			10JAN08		-38		0.00	0.00	0.00				

Activity ID	MILE-STONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<b>Shims-Outboard</b>																
1429-3059		Bid,Award Shim Stock (out & inboard) PE7556	15		01AUG07A	10AUG07A	21AUG07		100	0.00	0.00	0.00				
1429-3060		Deliver Outboard Shim Stock	19*		13AUG07A	07SEP07A	05SEP07		100	38,637.28	38,637.28	0.00				
1429-3062		Vendor Cut, Grind, debur Outboard Shims	38		10SEP07A	30NOV07	18MAR08	12	75	14,215.44	18,953.92	8,383.47				
1429-3065		Prep Req, Bid, Award Alumina Application R405443	0*		04SEP07A	31AUG07A	16AUG07		100	0.00	0.00	0.00				
1429-3066		Apply Alumina to OutboardShims	65		10JAN08*	09APR08	25MAR08	-29		0.00	42,248.40	-11,374.57				
1429-3066A		Qualify Flame Spray	13		01NOV07*	19NOV07		-37		0.00	0.00	0.00				
1429-3066B		PPPL Evaluate	5		20NOV07	28NOV07		-37		0.00	0.00	0.00				
1429-3066E		Anneal Outboard shims	5		01NOV07*	07NOV07		-39		0.00	0.00	0.00				
1429-3066J		Re-Anneal Outboard shims	5		26NOV07	30NOV07		-39		0.00	0.00	0.00				
1429-3066D		PPPL Re grind Outboard Shims	10		08NOV07	21NOV07		-39		0.00	0.00	0.00				
1429-3066F		Ship to Alumina vendor for flame spray	1		03DEC07*	03DEC07		-39		0.00	0.00	0.00				
1429-3066G		Alumina coat outboard shims for 1st HP	20		04DEC07*	09JAN08		-39		0.00	0.00	0.00				
1429-3066H		Deliber 1st HP shims to PPPL	1		10JAN08*	10JAN08		-39		0.00	0.00	0.00				
1429-3069		Outboard Shims Available for 1st 3 pack MC assy	0			10JAN08*		-39		0.00	0.00	0.00				
S21-5.04X	2	Shims required for 1st 3 pack MC assy	0			11JAN08	20SEP07	-39		0.00	0.00	0.00				
1429-3070		Outboard Shims Available for 2nd 3 pack MC assy	0		31JAN08			-29		0.00	0.00	0.00				
1429-3071		Outboard Shims Available for 3rd 3 pack MC assy	0		21FEB08			30		0.00	0.00	0.00				
1429-3072		Outboard Shims Available for 4th 3 pack MC assy	0		13MAR08			68		0.00	0.00	0.00				
1429-3073		Outboard Shims Available for 5th 3 pack MC assy	0		03APR08			119		0.00	0.00	0.00				
1429-3074		Outboard Shims Available for 6th 3 pack MC assy	0		10APR08			167		0.00	0.00	0.00				
<b>Shims-Inboard</b>																
1429-3062X		PPPL cut, grind and debur Inboard Shims	130		18DEC07	26JUN08	24MAR08	-32		0.00	19,362.37	-5,361.89				
1429-3060I		Deliver Inboard Shim Stock	31*		01NOV07	17DEC07		-38		0.00	39,606.24	0.00				
1429-3060A		PPPL mill inboard shims to thickness (for A-B)	5		18DEC07	02JAN08		-38		0.00	0.00	0.00				
1429-3060D		PPPL mill inboard shims to thickness (for B-C)	10		03JAN08	16JAN08		1		0.00	0.00	0.00				
1429-3060B		PPPL water jet cut inboard shims	3		03JAN08	07JAN08		-38		0.00	0.00	0.00				
1429-3060C		PPPL anneal inboard shims	3		08JAN08	10JAN08		-38		0.00	0.00	0.00				
1429-3069X		Inboard Shims Available for 1st 3 pack MC assy	0		11JAN08			-38		0.00	0.00	0.00				
1429-3070X		Inboard Shims Available for 2nd 3 pack MC assy	0		31JAN08			-29		0.00	0.00	0.00				
1429-3071X		Inboard Shims Available for 3rd 3 pack MC assy	0		13MAR08			40		0.00	0.00	0.00				
1429-3072X		Inboard Shims Available for 4th 3 pack MC assy	0		24APR08			63		0.00	0.00	0.00				
1429-3073X		Inboard Shims Available for 5th 3 pack MC assy	0		22MAY08			91		0.00	0.00	0.00				
1429-3074X		Inboard Shims Available for 6th 3 pack MC assy	0		27JUN08			118		0.00	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	0.00				
1429-3066C		Apply Alumina to OutboardShims	40		08OCT09	04DEC09	04DEC09	12		0.00	9,308.00	0.00				

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY				
													FY08	FY09	FY10	FY11	
1429-3075X		Shims Req'd for C-C joint	0		07DEC09			12		0.00	0.00	0.00					
<b>Studs,Washers,Nuts</b>																	
1421-3060		Deliver Stud Kit (PE007330) (for 1st 3 pack only)	87*		01MAY07A	31AUG07A	20JUL07		100	98,992.08	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	0.00					
1421-3062		Re-order balance of stud kits	48*		01OCT07A	07DEC07	18OCT07	-2	57	232,830.93	408,475.32	232,830.93					
1421-3063		Stud kits available for balance of MC assy	0			07DEC07	18OCT07	-2		0.00	0.00	0.00					
1421-3065		Deliver Superbolts (PE007332)	43*		01MAY07A	29JUN07A	31MAY07		100	157,905.00	157,905.00	0.00					
1421-3066		Super bolts available for FPA	0			29JUN07A	31MAY07		100	0.00	0.00	0.00					
1421-3070		Order Add'l stud kits for c-c joint&weld clmp	15		01NOV07*	21NOV07	19OCT07	107		0.00	0.00	0.00					
1421-3072		Deliver Add'l stud kits for c-c joint&weld clmp	30		26NOV07	15JAN08	04DEC07	107		0.00	59,827.92	-15,954.11					
1421-3080		Purchase G-11 shims and machine for C-C inboard	65		01NOV07*	12FEB08	10JAN08	474		0.00	5,728.80	-2,027.12					
<b>Misc Tech Shop Support</b>																	
1421-4000		Misc Tech Shop support through FPA sta 3	250*		01OCT07A	30SEP08	30SEP08	999	LOE	7,075.32	76,905.60	0.00					
<b>15 - Coil Structures</b>																	
<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	0.00					
1501-522		Prelim CAD models & Dwgs	30		04JUN07A	16JUL07A	16JUL07		100	27,876.80	27,876.80	0.00					
1501-525		PDR Prep	3		02JUL07A	20JUL07A	19JUL07		100	3,484.60	3,484.60	0.00					
1501-525P	3	Coils Support Structure - PDR	1		20JUL07A	20JUL07A	20JUL07		100	1,393.84	1,393.84	0.00					
1501-533		Detail CAD Drawings,BOM	121*		01JUN07A	20NOV07	17SEP07	117	95	57,415.08	60,436.93	-3,021.85					
1501-533F		Integrated Stress Analysis	43*		01OCT07A	30NOV07	17SEP07	111	80	35,665.92	44,582.40	-8,916.48					
1501-535		Resolve CS PDR Chits	21*		01NOV07	03DEC07		1,205		0.00	0.00	0.00					
1501-537		FDR Prep	4		03DEC07	06DEC07	20SEP07	111		0.00	2,786.40	-2,786.40					
1501-541	3	Coil Support Structures - FDR	1		07DEC07	07DEC07	21SEP07	111		0.00	1,486.08	-1,486.08					
1501-545		Resolve Chits	5		10DEC07	14DEC07	19OCT07	111		0.00	7,430.40	-7,430.40					
1501-549		Update C.S.Support Design	6		17DEC07	02JAN08	05OCT07	445		0.00	11,145.60	-11,145.60					
1501-550		FDR Updated C.S.Design	5		14APR08	18APR08	10OCT07	399		0.00	1,486.08	-1,486.08					
1501-554		Resolve CS FDR Chits	5		21APR08	25APR08	12OCT07	399		0.00	7,430.40	-7,430.40					
1501-558		Prepare requisition for Coil Structure & CSS h/w	10		10DEC07	21DEC07	02NOV07	111		0.00	743.04	-594.43					
1501-562		Prepare Specs for Coil Structure & CSS h/w	10		10DEC07	21DEC07	26OCT07	111		0.00	1,857.60	-1,857.60					
ECP53RBX09		FY07 Rebaseline exercise	0*		01JUN07A	29JUN07A	31MAY07		LOE	6,969.20	6,969.20	0.00					
<b>Job: 1550 - Coil Struct. Procurement -DAHLGREN</b>																	
1501-244		Procure Spherical Bearings	114*		01NOV07*	21APR08		214		0.00	19,620.00	0.00					
1501-245		Prep Spec,Solicit Bids, and Evaluate Bids	40		17DEC07	19FEB08	16JUN08	111		0.00	0.00	0.00					
162-036.9	2	Award Coil Support Structure	0			28APR08*	16JUN08*	62		0.00	0.00	0.00					
162-037		Fabricate TF/MCWF mounting Components	260		29APR08	13MAY09	01JUL09	62		0.00	305,639.71	0.00					

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
162-037M	2	Fabricate TF/MCWF mounting Components	0			13MAY09	01JUL09	62		0.00	0.00	0.00				
162-038		Fabricate PF Mounting components	260		29APR08	13MAY09	01JUL09	62		0.00	267,393.81	0.00				48=257.06
162-039		Fabricate Final TF Assy components Components	260		29APR08	13MAY09	01JUL09	62		0.00	82,862.33	0.00				48=79.657
162-040		Fabricate Machine/base support interface	260		29APR08	13MAY09	01JUL09	62		0.00	92,411.37	0.00				48=88.84k ;
162-050		Prep req, bid and award G11/Teflon parts	20		16JUN08*	14JUL08	14JUL08	66		0.00	0.00	0.00				48=150.42\$K ;
162-051		Deliver G11/Teflon parts	90		15JUL08	18NOV08	18NOV08	66		0.00	155,701.41	0.00				48=104.19\$K ;
162-052		Prep req, bid and award Inconel hardware	20		16JUN08*	14JUL08	14JUL08	66		0.00	0.00	0.00				41=18.695\$K ;
162-053		Deliver Inconel hardware	90		15JUL08	18NOV08	18NOV08	66		0.00	107,848.23	0.00				41=18.695\$K ;
162-055		Prep req, bid and award Belleville Washers	20		16JUN08*	14JUL08	14JUL08	66		0.00	0.00	0.00				41=18.695\$K ;
162-057		Deliver Belleville Washers	90		15JUL08	18NOV08	18NOV08	66		0.00	25,106.83	0.00				41=18.695\$K ;
162-031		Title III engr WBS 151	260		29APR08*	13MAY09	01JUL09	847	LOE	0.00	14,098.02	0.00				41=18.695\$K ;
<b>16 - Coil Services</b>																
<b>Job: 1601 - Coil Services Design-GORANSON</b>																
<b>FY07 Rebaseline Exercise</b>																
ECP53RBX08		FY07 Rebaseline exercise	0*		01JUN07A	29JUN07A	31MAY07			LOE	6,228.80	6,228.80	0.00			ORNLEM =40hr ;
<b>161 - LN2 Distribution</b>																
191-001		Title I design WBS 161 LN2 manifolds&pipng	142*		02SEP07A	01APR08	01APR08	96	10		8,369.50	83,694.95	8,369.50			ORNLEM =520hr ;
191-002	3	LN2 manifolds&pipng- PDR	1	R	02APR08	02APR08	02APR08	96			0.00	1,294.08	0.00			ORNLEM =08hr ;
191-011		Title II design WBS 161 LN2 manifolds&pipng	65		03APR08	03JUL08	03JUL08	96			0.00	84,115.20	0.00			ORNLEM =520hr ;
191-012		LN2 manifolds&pipng - FDR	1	R	07JUL08	07JUL08	07JUL08	96			0.00	1,294.08	0.00			ORNLEM =08hr ;
191-037		Prep Req,Bid,Award-manifolds,hoses,valves etc	25		08JUL08	11AUG08	11AUG08	96			0.00	0.00	0.00			
191-038		Fab and deliver-manifold assy,hoses,valves etc	90		12AUG08*	18DEC08	18DEC08	96			0.00	140,101.51	0.00			41=59\$K ; EM//TB =492hr ; EM//EM =123hr ;
191-031		Title III engr WBS 161	118		08JUL08	23DEC08	23DEC08	941	LOE	0.00	27,796.89	0.00				ORNLEM =176hr ;em//em=78;em
<b>162 - Electrical Leads</b>																
132-001		Title I design WBS 162 Coil leads	155		02JUN08*	19JAN09	19JAN09	49			0.00	152,991.50	0.00			ORNLEM =916hr ;
132-002		Electrical Coil leads - PDR	1	R	20JAN09	20JAN09	20JAN09	49			0.00	1,387.28	0.00			ORNLEM =08hr ;
132-011		Title II design WBS 162 Coil leads	155		21JAN09	27AUG09	27AUG09	150			0.00	158,843.56	0.00			ORNLEM =916hr ;
132-012		Electrical Coil leads - FDR	1	R	28AUG09	28AUG09	28AUG09	150			0.00	1,387.28	0.00			ORNLEM =08hr ;
132-015		Title III design WBS 162 Coil leads	99		31AUG09	29JAN10	29JAN10	222	LOE	0.00	19,579.88	0.00				ORNLEM =110hr ;
132-037		Prep Req,Bid,Award Lead hardware and cables	25		31AUG09	05OCT09	05OCT09	150			0.00	0.00	0.00			
132-038		Deliver Lead hardware and cables	65		06OCT09	18JAN10	18JAN10	150			0.00	114,187.68	0.00			41=79.744\$K ;
132-047		Prep Req,Bid,Award Material for transition box	25		31AUG09	05OCT09	05OCT09	216			0.00	0.00	0.00			
132-048		Deliver Material for Transition Boxes	40		06OCT09	02DEC09	02DEC09	216			0.00	9,909.44	0.00			41=07\$K ;
132-049		Assemble Transition boxes (6)	40		03DEC09	08FEB10	08FEB10	216			0.00	20,462.40	0.00			EM//TB =240hr ;
<b>163 - Coil Protection System</b>																
163.001		Design Coil protection(input to WBS 4 & 5)	65		01OCT08*	12JAN09	12JAN09	80			0.00	38,150.20	0.00			ORNLEM =220hr ;

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<b>17 - Cryostat and Base Support Structure</b>																
<b>Job: 1702 - Base Support Struct Design-DAHLGREN</b>																
<b>172 - Base Support Structure</b>																
1702-510		Base support structure prel. design & analysis	119*		03SEP07A	28FEB08	23NOV07	0	15	11,090.32	73,935.47	-33,660.09				
1702-515	3	Base support - PDR	5	R	29FEB08	06MAR08	26NOV07	0		0.00	743.04	0.00				
1702-520		Final design. Assy dwgs, fab dwgs, BOMs,specs/SO	32		07MAR08	21APR08	01FEB08	0		0.00	74,675.52	0.00				
1702-525		Base Support Structure - FDR	5	R	22APR08	28APR08	04FEB08	0		0.00	743.04	0.00				
1702-525M	2	Base Support Structure FDR	0			28APR08	04FEB08	0		0.00	0.00	0.00				
1702-530		Resolve chits, issue dwgs for fab,Issue requisit	10		29APR08	12MAY08	03MAR08	0		0.00	12,631.68	0.00				
<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		13MAY08	09JUL08	19JUN08	0		0.00	0.00	0.00				
161-036.9	3	Deliver base support materials	65		10JUL08*	09OCT08	22SEP08	0		0.00	51,965.54	0.00				
161-037		PPPL assemble structure	35		10OCT08*	01DEC08	10NOV08	0		0.00	29,932.98	0.00				
161-038		Title III	261		13MAY08*	29MAY09	19MAR09	836	LOE	0.00	8,323.20	0.00				
<b>Job: 1701 - Cryostat Design-GETTLEFINGER</b>																
<b>1701 - Cryostat Design-GETTLEFINGER</b>																
1701-100		Cryostat- Conceptual Design	65		01OCT08*	12JAN09	12JAN09	55		0.00	15,888.00	0.00				
1701-101		Cryostat- Preliminary Design	70		21JAN09	28APR09	28APR09	49		0.00	73,446.84	0.00				
1701-102		Cryostat- Stress analysis	43		27FEB09*	28APR09	28APR09	49		0.00	38,242.00	0.00				
1701-103		Cryostat- Joint R&D	10		15APR09*	28APR09	28APR09	49		0.00	3,298.40	0.00				
1701-121		Cryostat- PDR	1	R	29APR09	29APR09	29APR09	49		0.00	1,324.00	0.00				
1701-131		Cryostat- Final Design	70		30APR09	07AUG09	07AUG09	49		0.00	73,446.84	0.00				
1701-141		Cryostat- FDR	1	R	10AUG09	10AUG09	10AUG09	49		0.00	1,324.00	0.00				
<b>Job: 1751 - Cryostat Procurement-GETTLEFINGER</b>																
<b>1751 - Cryostat Procurement-GETTLEFINGER</b>																
1751-151		Cryostat- Procure Materials and Supplies	65		01OCT09*	13JAN10	13JAN10	122		0.00	174,575.12	0.00				
1751-161		Cryostat- Fabricate Components	65		14JAN10	14APR10	14APR10	122		0.00	88,670.40	0.00				
1751-171		Cryostat- Title III	90		01OCT09	17FEB10	17FEB10	660	LOE	0.00	61,606.80	0.00				
<b>18 - Field Period Assembly</b>																
<b>Job: 1803/1805- FPA Tooling/Constr-BROWN/DUDEK</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	0.00				
1803-2.2		Procure 2 20degree wedge fixt (for total of 6)	90		01NOV07*	18MAR08	18JAN08	36		0.00	0.00	0.00				
<b>Station 3-Modular Coil to VVSA Assembly</b>																
1803-3.2		Finalize drawings for internal review and outsid	3		25JUN07A	27JUN07A	27JUN07		100	0.00	0.00	0.00				
1803-3.3		Analyze single point lift	10*		28JUN07A	12JUL07A	12JUL07		100	9,756.88	9,756.88	0.00				
1803-3.4	3	Stage 3 support FDR	3*		02JUL07A	17JUL07A	13JUL07		100	0.00	0.00	0.00				

Activity ID	MILE-STONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
1803-3.5		Flange bolt/VV support access platform	8		02JUL07A	12JUL07A	12JUL07		100	13,495.20	13,495.20	0.00				
1803-3.6		Revise drawings per FDR input & release for Fab	101*		02JUL07A	21NOV07	17JUL07	23	95	5,219.03	5,493.72	-274.69				
1803-3.7		Transportation study (move between test cells)	2		26NOV07	27NOV07	19JUL07	27		0.00	4,796.40	-4,796.40				
1803-3.8		Generate laser trace drawing for each screen	20		01NOV07*	30NOV07	10AUG07	24		0.00	9,592.80	-9,592.80				
1803-3.9		Assembly sequence plan and Installation procedur	18		01JUN07A	26JUN07A	26JUN07		100	6,969.20	6,969.20	0.00				
1803-3.10		VV/MC clearance report (for VVSA1, 2 and 3)	0*		27JUL07A	26JUL07A	26JUL07		100	12,544.56	12,544.56	0.00				
1803-3.11		Procure materials and fixture	30		26NOV07*	15JAN08	19NOV07	23		0.00	61,332.12	-52,271.69				
<b>Station 5-Final Field Period Assembly</b>																
1803-5.1		Complete FP support models	146*		01JUN07A	07JAN08	10OCT07	70	75	20,531.06	27,374.74	-6,843.68				
1803-5.5		20Design followup & prelim analysis	39*		01NOV07*	07JAN08	28AUG07	69		0.00	11,145.60	-11,145.60				
1803-5.2		Complete platform models	10		13DEC07	04JAN08	31OCT07	71		0.00	9,592.80	-9,592.80				
1803-5.3		PDR	0			08JAN08*	07NOV07	69		0.00	0.00	0.00				
R1802-503		Sequence plan	20		01MAY07A	30MAY07A	30MAY07		100	0.00	0.00	0.00				
1803-5.4		Structural Analysis	30*		09JAN08*	19FEB08	21NOV07	69		0.00	11,145.60	0.00				
1803-5.6	3	Station 5 FDR	0			19FEB08	21NOV07	69		0.00	0.00	0.00				
1803-5.7		Complete dwg package and release for Fa	20		20FEB08	18MAR08	21DEC07	69		0.00	14,389.20	0.00				
1803-5.8		Complete models and dwgs for test cell metrology	30		19MAR08	29APR08	14JAN08	84		0.00	19,180.80	0.00				
1803-5.9		Procure materials and fixture (2 stations)	65		19MAR08	18JUN08	01APR08	69		0.00	94,071.36	0.00				
<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	0.00				
1803-6.2		Complete platform models	30		20FEB08	01APR08	01APR08	69		0.00	9,592.80	0.00				
1803-6.3		Structural Analysis	30		03DEC07*	22JAN08	22JAN08	119		0.00	22,291.20	0.00				
1803-6.4		PDR	0	R		01APR08	01APR08	69		0.00	0.00	0.00				
1803-6.5		Complete drawing package	40		02APR08	28MAY08	28MAY08	69		0.00	19,185.60	0.00				
1803-6.6	3	Station 6 FDR	0	R		04JUN08	04JUN08	69		0.00	0.00	0.00				
1803-6.7		Revise drawings per FDR input and release for Fa	5		05JUN08	11JUN08	11JUN08	69		0.00	0.00	0.00				
1803-6.9		Design followup and prelim analysis	82		03DEC07*	03APR08	03APR08	112		0.00	22,291.20	0.00				
1803-6.8		Procure materials and fixture	65		02SEP08*	03DEC08	03DEC08	13		0.00	111,484.70	0.00				
<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	0.00				
<b>Station 2-Modular Coil Sub- Assembly</b>																
1803-201	3	Station 2 Assembly Specification	105		01JUL07A	11DEC07	11SEP07	-28	65	8,181.44	12,586.83	-4,405.39				
1803-205	3	Station 2 Assembly Drawings	118*		11JUN07A	27NOV07	11SEP07	-18	80	10,592.65	13,240.81	-2,648.16				
<b>Station 3-Modular Coil to VVSA Assembly</b>																
1803-301		Station 3 Assembly Specification	120*		02JUL07A	20DEC07	16NOV07	10	30	11,418.41	38,061.36	-19,030.68				
1803-305		Station 3 Assembly Drawings	120*		02JUL07A	20DEC07	22NOV07	10	50	6,642.56	13,285.12	-4,120.07				



Activity ID	MILE-STONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY					
													FY08	FY09	FY10	FY11		
<b>Station 5-Final Field Period Assembly</b>																		
1803-501		Station 5 Assembly Specification	90		21DEC07*	05MAY08	15APR08	80		0.00	32,352.00	0.00						
1803-505		Station 5 Assembly Drawings	152*		03SEP07A	15APR08	15APR08	94	15	3,003.83	20,025.52	3,003.83						
1803-509		Field period Assy Dwgs	90		21DEC07*	05MAY08	15APR08	80		0.00	40,137.60	0.00						
1803-611		Detail dwgs-welding ports	90		03DEC07*	15APR08	15APR08	94		0.00	20,068.80	0.00						
<b>6.00-Final Machine Assembly</b>																		
1803-601		Station 6 Assembly Specification	120		15APR08*	02OCT08	02OCT08	30		0.00	71,259.83	0.00						
1803-605		Station 6 Assembly Drawings	120		15APR08*	02OCT08	02OCT08	30		0.00	53,549.76	0.00						
1803-605M	2	Station 6 Specification & Assy Drawings Complete	0			02OCT08	02OCT08	30		0.00	0.00	0.00						
1803-613		Detail dwgs-man access port	120		15APR08*	02OCT08	02OCT08	30		0.00	6,693.72	0.00						
1803-010		Models,design reviews, meetings,reporting,	430		01MAY07A	27JUL09	23JAN09	796	LOE	0.00	178,652.72	-53,595.82						
<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	0.00						
1802ORNLO2		ORNL Title III field period assy station 2	326		01NOV07*	27FEB09	19FEB09	-11	LOE	0.00	152,941.79	-24,789.70						
1802ORNLO3		ORNL Title III field period assy station 3	318*		03MAR08*	08JUN09	08JUN09	0	LOE	0.00	117,143.02	0.00						
1802ORNLO5		ORNL Title III field period assy station 5	260*		30OCT08*	13NOV09	13NOV09	0	LOE	0.00	122,171.24	0.00						
R1802-001		Metrology Engr Super FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	62,722.80	62,722.80	0.00						
R1802-003		Metrology Engr Super FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	14,748.60	160,310.88	0.00						
R1802-004		Metrology Engr Super FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	194,695.10	0.00						
R1802-004S		Metrology Engr Super FY09 (2n shft suprt .5 fte	203*	2	30JAN09*	13NOV09	13NOV09	718	LOE	0.00	134,631.52	0.00						
R1802-005		FPA Management FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	115,712.78	115,712.78	0.00						
R1802-007		FPA Management FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	25,532.17	277,523.54	0.00						
R1802-008		FPA Management FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	322,131.05	0.00						
R1802-013		HP Coverage in the TFTR TC LOE FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	59,214.54	59,214.54	0.00						
R1802-015		HP Coverage in the TFTR TC LOE FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	13,786.88	149,857.40	0.00						
R1802-016		HP Coverage in the TFTR TC LOE FY09	169*		01OCT08*	08JUN09	08JUN09	830	LOE	0.00	104,271.28	0.00						
R1810-098		Station 3 complete	0			03AUG09	08JUN09	791		0.00	0.00	0.00						
<b>Station 2 procedures,JHA,ACC,Training,Prep</b>																		
R1802-207		Procedures written & approved	14		01OCT07A	11DEC07	01OCT07	-28	50	0.00	0.00	0.00						
R1802-209		50JHA completed	6		01OCT07A	31OCT07A	09OCT07		100	0.00	0.00	0.00						
R1802-211		Training needs identified & released	28*		01OCT07A	07NOV07	17OCT07	-9	50	0.00	0.00	0.00						
R1802-213		ACC review completed	2*		08NOV07	09NOV07	19OCT07	-9		0.00	0.00	0.00						
R1802-215		Pre-job brief completed	1		12NOV07	12NOV07	22OCT07	-9		0.00	0.00	0.00						
R1802-217		Station 2 operational	0			11DEC07	23OCT07	-28	50	0.00	0.00	0.00						

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													FY08	FY09	FY10	FY11
<b>Station 3 procedures,JHA,ACC,Training,Prep</b>																
R1802-307		Procedures written & approved	10		21DEC07	14JAN08	28JAN08	10		0.00	0.00	0.00				
R1802-309		JHA completed	6		15JAN08	22JAN08	05FEB08	10		0.00	0.00	0.00				
R1802-311		Training needs identified & released	6		23JAN08	30JAN08	13FEB08	10		0.00	0.00	0.00				
R1802-313		ACC review completed	6		31JAN08	07FEB08	21FEB08	10		0.00	0.00	0.00				
R1802-315		Pre-job brief completed	6		08FEB08	15FEB08	29FEB08	10		0.00	0.00	0.00				
<b>Station 5 procedures,JHA,ACC,Training,Prep</b>																
R1802-507		Procedures written & approved	14		06MAY08	23MAY08	05MAY08	80		0.00	0.00	0.00				
R1802-509		JHA completed	6		27MAY08	03JUN08	13MAY08	80		0.00	0.00	0.00				
R1802-519		Fixtures installed	6		19JUN08	26JUN08	21MAY08	69		0.00	0.00	0.00				
R1802-511		Training needs identified & released	6		27JUN08	07JUL08	30MAY08	69		0.00	0.00	0.00				
R1802-513		ACC review completed	7		08JUL08	16JUL08	10JUN08	69		0.00	0.00	0.00				
R1802-515		Pre-job brief completed	7		17JUL08	25JUL08	19JUN08	69		0.00	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 fte	203*	2	30JAN09*	13NOV09	13NOV09	718	LOE	0.00	139,343.95	0.00				EM/TB =1.2 fte
R1810-001		LOE Crane support, fixture setupfor FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	64,854.45	64,854.45	0.00				EM/TB =863hr ;
R1810-003		LOE Crane support, fixture setupfor FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	15,264.99	165,923.83	0.00				1.2 fte
R1810-004		LOE Crane support, fixture setupfor FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	192,599.92	0.00				1.2 fte
R1810-005		LOE Field Supervision for FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	96,036.83	96,036.83	0.00				EE//SM =719hr ;
R1810-007		LOE Field Supervision for FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	22,610.39	245,765.14	0.00				1.0 fte
R1810-008		LOE Field Supervision for FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	285,266.98	0.00				1.0 fte
R1810-008S		LOE Field Supervision for 2nd shft 1.0 fte	203*	2	30JAN09*	13NOV09	13NOV09	718	LOE	0.00	206,388.38	0.00				EE//SM =1.0 fte
R1810-009		LOE Metrology sprt FY07 1.5 fte EM & 1.0 fte TB	106*		01MAY07A	28SEP07A	28SEP07		LOE	197,832.33	197,832.33	0.00				EM//EM =997hr ; EM//TB =631hr ;
R1810-011		LOE Metrology sprt FY08 1.5 fte EM & 1.0 fte TB	250*		01OCT07A	30SEP08	30SEP08	999	LOE	70,941.94	771,108.00	0.00				EM//EM = 3600 hr ; EM//TB = 2400 hr ;
R1810-012		LOE Metrology sprt FY09 1.5 fte EM & 1.0 fte TB	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	433,249.15	0.00				EM//EM =1960 hr ;
R1810-013		Misc M&S FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	19,140.00	19,140.00	0.00				41=15\$K ;
R1810-015		Misc M&S FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	4,332.10	47,088.00	0.00				41=36\$K ;
R1810-016		Misc M&S FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	57,664.57	0.00				41=41.16
R1810-099		Station 5 complete	0			21JAN10	13NOV09	679		0.00	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	0.00				
R1810-1107		Verify Instl of H/C lines,headers,manifolds	5	1	14JUN07A	20JUN07A	20JUN07		100	7,515.00	7,515.00	0.00				
R1810-1115		Purchase pump	20	1	02JUL07A	19JUL07A	19JUL07		100	5,104.00	5,104.00	0.00				41=04\$K ;
R1810-1108		Perform final acceptance testing (H/C flow test)	5	1	03DEC07	07DEC07	26JUL07	243		0.00	8,011.00	-8,011.00				EM//TB =100hr
R1810-1109		Loop termination & verification	32*	1	02JUL07A	15AUG07A	18SEP07		100	27,054.00	27,054.00	0.00				EM//TB =360hr ;
R1810-1112		Trim seal plates	2	1	10DEC07*	11DEC07	02OCT07	243		0.00	3,204.40	-3,204.40				EM//TB =40hr ;
R1810-1110		Install Final Internal&Ext monuments & meas	4	1	07FEB08	12FEB08	14JAN08	44		0.00	6,408.80	0.00				EM//TB =80hr ;

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
R1810-1111		Final Scan	4	1	13FEB08	18FEB08	18JAN08	44		0.00	6,408.80	0.00				
R1810-1114		Install heater tape on all removable ports	20	1	19FEB08	17MAR08	15FEB08	44		0.00	16,022.00	0.00				
R1810-1113		Prepare & transfer completed VV to holding area	2	1	18MAR08	19MAR08	19FEB08	44		0.00	3,204.40	0.00				
<b>Station 1- VV Prep (hrd surf cmpntsFP#2)</b>																
R1810-1203		Misc Hardware	170*		01JUN07A	08FEB08	08FEB08	1,163	LOE	1,625.58	2,584.38	-1.06				
R1810-1209		Install cooling/htg lines to vac vsl	15	1	01MAY07A	21MAY07A	21MAY07		100	22,545.00	22,545.00	0.00				
R1810-1211		Weld cooling/htg risers	16	1	22MAY07A	13JUN07A	13JUN07		100	26,600.00	26,600.00	0.00				
R1810-1213		Verify Instl of H/C lines,headers,manifolds	5	1	14JUN07A	20JUN07A	20JUN07		100	7,515.00	7,515.00	0.00				
R1810-1208		Perform final acceptance testing (H/C flow test)	5	1	26NOV07	30NOV07	27JUN07	243		0.00	13,243.00	-13,243.00				
R1810-1212		Trim seal plates	2	1	12DEC07*	13DEC07	29OCT07	243		0.00	3,204.40	-3,204.40				
R1810-1215		Loop termination & verification	18	1	26JUL07A	28SEP07A	21DEC07		100	27,054.00	27,054.00	27,054.00				
R1810-1216		Install Final Internal&Ext monuments & meas	4	1	14DEC07	19DEC07	07JAN08	243		0.00	6,408.80	0.00				
R1810-1217		Final Scan	4	1	20DEC07	03JAN08	11JAN08	243		0.00	6,408.80	0.00				
R1810-1214		Install heater tape on all removable ports	20	1	04JAN08	31JAN08	08FEB08	243		0.00	16,022.00	0.00				
R1810-1219		Prepare& transfer completed VV to holding area	2	1	01FEB08	04FEB08	12FEB08	243		0.00	3,204.40	0.00				
<b>Station 1- VV Prep (hrd surf cmpntsFP#3)</b>																
R1810-1303		Misc Hardware	137*		15MAY07A	28NOV07	28NOV07	1,208	LOE	2,234.33	2,571.15	1.00				
R1810-1304		Layout diag & coolant paths on vessel	12	1	01MAY07A	16MAY07A	16MAY07		100	18,036.00	18,036.00	0.00				
R1810-1305		Install heater tape on vertical ports	7	1	17MAY07A	25MAY07A	25MAY07		100	10,521.00	10,521.00	0.00				
R1810-1307		Verify installation of heater tapes	1	1	01JUN07A	29JUN07A	02JUL07		100	1,503.00	1,503.00	0.00				
R1810-1309		Attach studs for coolant lines	3	1	01JUN07A	29JUN07A	06JUL07		100	4,509.00	4,509.00	0.00				
R1810-1300		Install Templates	3	1	01JUN07A	29JUN07A	27JUN07		100	4,509.00	4,509.00	0.00				
R1810-1311		Wind magnetic diagnostic sensors	25*	1	25JUN07A	30JUL07A	30JUL07		100	21,042.00	21,042.00	0.00				
R1810-1313		Install precision magnetic diagnostic sensors	28*	1	25JUN07A	31JUL07A	02AUG07		100	4,509.00	4,509.00	0.00				
R1810-1315		Verify installation magnetic diagnostic sensors	8	1	30JUL07A	24SEP07A	08AUG07		100	6,012.00	6,012.00	0.00				
R1810-1317		Install local I&C (incl thermocouples)	5	1		15AUG07A	15AUG07		100	7,515.00	7,515.00	0.00				
R1810-1319		Verify installation of local I&C	2	1		17AUG07A	17AUG07		100	3,006.00	3,006.00	0.00				
R1810-1321		10Install cooling/htg lines to vac vsl	37*	1	01AUG07A	21SEP07A	31AUG07		100	22,545.00	22,545.00	0.00				
R1810-1323		Weld cooling/htg risers	10	1	15OCT07A	26OCT07A	17SEP07		100	25,635.20	25,635.20	0.00				
R1810-1325		Verify Instl of H/C lines,headers,manifolds	5	1		12SEP07A	24SEP07		100	7,515.00	7,515.00	0.00				
R1810-1308		Perform final acceptance testing (H/C flow test)	5	1	15NOV07*	21NOV07	01OCT07	243		0.00	8,011.00	-8,011.00				
R1810-1312		Trim seal plates	2	1	14DEC07	17DEC07	31OCT07	312		0.00	3,204.40	-3,204.40				
R1810-1327		Loop termination & verification	18	1		28SEP07A	25JAN08		100	27,054.00	27,054.00	27,054.00				
R1810-1328		Install Final Internal&Ext monuments & meas	4	1	18DEC07	21DEC07	31JAN08	312		0.00	6,408.80	0.00				
R1810-1329	3	Final Scan of VVSA #3 Station 1 complete	4	1	02JAN08	07JAN08	06FEB08	312		0.00	6,408.80	0.00				
R1810-1314		Install heater tape on all removable ports	20	1	15FEB08*	13MAR08	13MAR08	264		0.00	16,022.00	0.00				
R1810-1331		Prepare & transfer completed VV to holding area	2	1	14MAR08	17MAR08	17MAR08	264		0.00	3,204.40	0.00				

Activity ID	MILE-STONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													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	0.00				
R1810-1S04		Install Final Internal&Ext monuments & meas	2	1	26NOV08	01DEC08	01DEC08	288		0.00	3,298.40	0.00				
<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	0.00				
INTRF-001		PPPL buy SS plate for weld trials	10		04JUN07A	15JUN07A	15JUN07		100	40,762.56	40,762.56	0.00				
PHIL-02		weld shim DXF files complete	1		02JUL07A	02JUL07A	28JUN07		100	0.00	0.00	0.00				
PHIL-03		complete CAD model of weld test specimen	1		06JUL07A	06JUL07A	06JUL07		100	0.00	0.00	0.00				
PHIL-04		1100water jet cut shims for A/B flange weld test	3		11JUL07A	11JUL07A	11JUL07		100	1,803.60	1,803.60	0.00				
PHIL-05		1solution anneal shims (note: shims not ground).	1		04SEP07A	04SEP07A	12JUL07		100	991.36	991.36	0.00				
PHIL-06		assemble shims&flanges;grind relief in flanges	3		17JUL07A	17JUL07A	17JUL07		100	3,607.20	3,607.20	0.00				
PHIL-07		weld & monitor distortion; improvise clamping	3		20JUL07A	20JUL07A	20JUL07		100	3,607.20	3,607.20	0.00				
PHIL-08		analyze results at PPPL	2		24JUL07A	24JUL07A	24JUL07		100	0.00	0.00	0.00				
PHIL-09		analyze welds at EWI	10		01AUG07A	28SEP07A	07AUG07		100	0.00	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	0.00				
PHIL-12		Weld fiducials on A6 & B6	2			11JUL07A	11JUL07		100	2,404.80	2,404.80	0.00				
PHIL-13		Measure A6 casting	2			13JUL07A	13JUL07		100	0.00	0.00	0.00				
PHIL-14		Develop metrology plan for station 2	9*		01JUN07A	08OCT07A	31AUG07		100	0.00	0.00	0.00				
PHIL-15		Remove A6 & lower & grout wedge	4			19JUL07A	19JUL07		100	4,809.60	4,809.60	0.00				
PHIL-16		Re-mount A6 on wedge	2			23JUL07A	23JUL07		100	2,404.80	2,404.80	0.00				
PHIL-17		Re-measure A6	2			25JUL07A	25JUL07		100	0.00	0.00	0.00				
PHIL-18		Measure B6 on wedge	2			27JUL07A	27JUL07		100	2,404.80	2,404.80	0.00				
PHIL-19		Place B6 on A6; Meas B6 casting use A6 as base	2			31JUL07A	31JUL07		100	0.00	0.00	0.00				
PHIL-20		Complete CAD model for dimensional ref.	3			31JUL07A	03AUG07		100	0.00	0.00	0.00				
PHIL-21		Prepare angle plate dogs & chocks	4			13JUL07A	13JUL07		100	4,809.60	4,809.60	0.00				
PHIL-22		Water jet cut outboard 0,5" stk 316 SS shims	4			17JUL07A	17JUL07		100	2,404.80	2,404.80	0.00				
PHIL-23		Water jet cut inboard 0.625 316 SS	3			20JUL07A	20JUL07		100	1,803.60	1,803.60	0.00				
PHIL-24		Assemble castings,align torque&meas inbd. shims	4			26JUL07A	26JUL07		100	4,809.60	4,809.60	0.00				
PHIL-25		Purchase (2) grinding machines - (ON HOLD)	45		01NOV07*	15JAN08	14SEP07	1,181		0.00	52,320.00	-52,320.00				
PHIL-26		Grind inbd. Shims to thickness (outside shop)	4			31JUL07A	01AUG07		100	1,276.00	1,276.00	0.00				
PHIL-27		Solution anneal shims	2			31JUL07A	03AUG07		100	1,982.72	1,982.72	0.00				
PHIL-28		bushing drawings complete	0			29JUN07A	29JUN07		100	0.00	0.00	0.00				
PHIL-29		fabricate stock bushings	5			13JUL07A	13JUL07		100	0.00	0.00	0.00				
PHIL-30		Zenex - fabricate eccentric bushings	5			13JUL07A	13JUL07		100	1,658.80	1,658.80	0.00				
PHIL-31		Receive hardware - studs, washers	14*			20AUG07A	19JUL07		100	0.00	0.00	0.00				
PHIL-32		Align castings	2			31JUL07A	31JUL07		100	2,404.80	2,404.80	0.00				
PHIL-33		Fit&install bushings 25% stock, 25% eccentric	5			31JUL07A	07AUG07		100	6,012.00	6,012.00	0.00				
PHIL-34		Weld procedure/weld qual.	7			17JUL07A	17JUL07		100	4,208.40	4,208.40	0.00				

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY				
													FY08	FY09	FY10	FY11	
PHIL-35		Purchase weld on strain gauges	14			26JUL07A	26JUL07		100	0.00	0.00	0.00					
PHIL-36		Install strain gauges	5			07AUG07A	02AUG07		100	4,956.80	4,956.80	0.00					
PHIL-37		Set up dial ind., CMM, transit system	26*		02JUL07A	07AUG07A	07AUG07		100	3,006.00	3,006.00	0.00					
PHIL-38		Install all shims and adjust bushings	2			31JUL07A	07AUG07		100	2,404.80	2,404.80	0.00					
PHIL-39		Final align and baseline measurements	3			23AUG07A	10AUG07		100	5,410.80	5,410.80	0.00					
PHIL-40		Perform 25% of welding & measure	2			27AUG07A	14AUG07		100	2,404.80	2,404.80	0.00					
PHIL-41		Perform 50% of welding & measure	2			29AUG07A	16AUG07		100	2,404.80	2,404.80	0.00					
PHIL-42		Perform 75% of welding & measure	2			31AUG07A	20AUG07		100	2,404.80	2,404.80	0.00					
PHIL-43		finish welding & measure	2			05SEP07A	22AUG07		100	2,404.80	2,404.80	0.00					
PHIL-44		Analyze data; write report	14		19SEP07A	28SEP07A	12SEP07		100	0.00	0.00	0.00					
R1810-2050		Consulting support for welding trials	63*		02JUL07A	28SEP07A	12SEP07		100	89,320.00	89,320.00	0.00					
R1810-2003		Trial tensioning test on prototype with UT	3	1		11JUL07A	11JUL07		100	6,834.00	6,834.00	0.00					
R1810-2005		Trial bushing and shim test on prototype	12	1		31JUL07A	31JUL07		100	20,588.00	20,588.00	0.00					
R1810-2011		Alignment mechanisms, metro equip & positioning	390*	1	04SEP07A	31MAR09	31MAR09	878	LOE	6,807.65	63,033.85	-972.35					
R1810-2013		Procure alignment mechanisms, fiducials, lifting	390*	1	04SEP07A	31MAR09	31MAR09	878	LOE	7,083.76	65,590.33	-3,105.03					
R1810-2052		Bushing test B-C	7	1		26JUL07A	26JUL07		100	8,416.80	8,416.80	0.00					
R1810-2017		Determine fiducial types&locations	40*	1	01JUN07A	27JUL07A	23JUL07		100	19,085.00	19,085.00	0.00					
R1810-2001		Misc Hardware and hardware rework (1/2 fte loe)	260*	1	01MAY07A	14MAY08	14MAY08	1,095	LOE	43,605.28	87,913.87	-13.52					
<b>Setup</b>																	
R1810-2023		Install FIRST Holding 20 deg fixture	0	1		31JUL07A	12JUL07		100	8,564.00	8,564.00	0.00					
R1810-2025		Install SECOND Holding 20 deg fixture	0	1		31JUL07A	03AUG07		100	7,061.00	7,061.00	0.00					
R1810-2027		Install THIRD Holding 20 deg fixture	6	1	01NOV07*	08NOV07	13AUG07	1,191		0.00	12,229.20	-12,229.20					
R1810-2029		Install LAST Holding 20 deg fixture	3	1	09NOV07*	13NOV07	16AUG07	1,191		0.00	7,422.60	-7,422.60					
R1810-2004		Receive Drawings & Hardware (shims & Bolts)	7	1		23OCT07A	20SEP07		100	11,215.40	11,215.40	0.00					
R1810-2006		Surface grind set of metal shims for qualificat	4	1	01NOV07*	06NOV07	20SEP07	1,198		0.00	19,226.40	-19,226.40					
R1810-207		Compress alumina shims and sort	6	1	14JAN08*	21JAN08	28SEP07	-27		0.00	9,613.20	-9,613.20					
R1810-209		Perform metrology setup & checks	22	1	01OCT07A	15NOV07	09OCT07	12	50	4,005.50	8,011.00	-4,005.50					
R1810-2021		Tools&tooling available for FPA operations	2	1	14NOV07	15NOV07	20AUG07	1,191		0.00	9,744.40	-9,744.40					
R1810-2002		Test out Equip & Procedures	7	1	12DEC07	20DEC07	10OCT07	1,168		0.00	11,215.40	-11,215.40					
R1810-2108		HARDWARE,DRAWINGS,& PROCURES AVAILABLE	0	1		20DEC07	23OCT07	1,168		0.00	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	0.00					
S21-1.02		Epoxy paint all close fitting interfacing surfac	3	1	01OCT07A	03OCT07A	30JUL07		100	4,806.60	4,806.60	0.00					
S21-2.01		Set B1 on pre-measured fixt, "B" side down	1	1		31JUL07A	31JUL07		100	1,503.00	1,503.00	0.00					
S21-2.02		Align to the conical seats locking into of 8	2	1		02AUG07A	02AUG07		100	0.00	0.00	0.00					
S21-2.03		Estab global coord sys on mc geometry. Meas monu	7	1		13AUG07A	13AUG07		100	0.00	0.00	0.00					
S21-2.04		Meas tooling ball monuments on winding form.	1	1		14AUG07A	14AUG07		100	0.00	0.00	0.00					
S21-2.05		Scan the "A" flange of the Type-B1 coil.	1	1		15AUG07A	15AUG07		100	0.00	0.00	0.00					

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY					
													FY08	FY09	FY10	FY11		
S21-2.07		Remove B1 coil from stand	1	1		16AUG07A	16AUG07		100	1,503.00	1,503.00	0.00						
S21-2.08		Measure A1 "A" flange	14	1	07SEP07A	26SEP07A	06SEP07		100	3,006.00	3,006.00	0.00						
S21-2.11		Measure C1 "A" flange	13	1	27SEP07A	28SEP07A	25SEP07		100	3,006.00	3,006.00	0.00						
S21-2.14		Measure Type A2 "A" flange	13	1	01NOV07	19NOV07	12OCT07	4		0.00	3,204.40	-3,204.40						
S21-3.02		Grind shims first article /assy process qu	4	1	23OCT07A	26OCT07A	18OCT07		100	6,408.80	6,408.80	0.00						
S21-4.02		Perform metrology set-up and checks	2	1	29OCT07A	30OCT07A	22OCT07		100	0.00	0.00	0.00						
S21-3.03		Ready For Preassembly A1B1C1	0	1		30OCT07A	22OCT07		100	0.00	0.00	0.00						
Pre measurement of MCHP A2,B2,C2 flanges																		
S22-1.01		100Verify mating MC's of MCHP will come together	4		22OCT07A	25OCT07A	26OCT07		100	6,408.80	6,408.80	0.00						
S22-1.02		Epoxy paint all close fitting interfacing surfac	3		22OCT07A	25OCT07A	31OCT07		100	4,806.60	4,806.60	0.00						
S22-2.08		Measure B2 "A" flange	14	1	08OCT07A	30OCT07A	20NOV07		100	3,204.40	3,204.40	3,204.40						
S22-2.11		Measure C2 "A" flange	13	1	08OCT07A	30OCT07A	11DEC07		100	3,204.40	3,204.40	3,204.40						
S22-2.14		Measure Type A2 "A" flange	13	1	08OCT07A	31OCT07A	08JAN08		100	3,204.40	3,204.40	3,204.40						
S22-3.02		Compress alumina shims sort by thickness	4		20NOV07	27NOV07	14JAN08	4	0	0.00	6,408.80	0.00						
S22-4.02		Perform metrology set-up and checks	2		28NOV07	29NOV07	16JAN08	4		0.00	0.00	0.00						
S22-4.03		Ready For Preassembly A2B2C2	0		29NOV07	16JAN08	16JAN08	4		0.00	0.00	0.00						
Pre measurement of MCHP A3,B3,C3 flanges																		
S23-1.01		Verify mating MC's of MCHP will come together	4		30NOV07	05DEC07	22JAN08	22		0.00	6,408.80	0.00						
S23-1.02		Epoxy paint all close fitting interfacing surfac	3		06DEC07	10DEC07	25JAN08	22		0.00	4,806.60	0.00						
S23-2.01		Set the A3 coil on fixture, A side flange down	1		11DEC07	11DEC07	28JAN08	22		0.00	1,602.20	0.00						
S23-2.02		Align to the conical seats locking into min of 8	2		12DEC07	13DEC07	30JAN08	22		0.00	0.00	0.00						
S23-2.03		Measure monuments on fixture and walls.	7		14DEC07	02JAN08	08FEB08	22		0.00	0.00	0.00						
S23-2.04		Measure tooling ball monuments	1		03JAN08	03JAN08	11FEB08	22		0.00	0.00	0.00						
S23-2.05		Scan the B flange of A3	1		04JAN08	04JAN08	12FEB08	22		0.00	0.00	0.00						
S23-2.07		Remove A3 move to holding area.	1		07JAN08	07JAN08	13FEB08	22		0.00	1,602.20	0.00						
S23-2.08		Measure B3 "A" flange	14		08JAN08	25JAN08	04MAR08	22		0.00	3,204.40	0.00						
S23-2.11		Measure C3 "A" flange	13		28JAN08	13FEB08	21MAR08	22		0.00	3,204.40	0.00						
S23-2.14		Measure Type A3-A4 "A" flange	13		14FEB08	03MAR08	09APR08	22		0.00	3,204.40	0.00						
S23-3.02		Compress alumina shims sort by thickness	4		04MAR08	07MAR08	15APR08	22		0.00	4,806.60	0.00						
S23-4.02		Perform metrology set-up and checks	2		10MAR08	11MAR08	17APR08	22		0.00	0.00	0.00						
S23-4.03		Ready For Preassembly A3B3C3	0		12MAR08	11MAR08	17APR08	22		0.00	0.00	0.00						
Pre measurement of MCHP A4,B4,C4 flanges																		
S24-1.01		Verify mating MC's of MCHP will come together	4		12MAR08	17MAR08	23APR08	22		0.00	6,408.80	0.00						
S24-1.02		Epoxy paint all close fitting interfacing surfac	3		18MAR08	20MAR08	28APR08	22		0.00	4,806.60	0.00						
S24-2.08		Measure B4 "A" flange	14	1	21MAR08	09APR08	16MAY08	22		0.00	3,204.40	0.00						
S24-2.11		Measure C4 "A" flange	13	1	10APR08	28APR08	05JUN08	22		0.00	3,204.40	0.00						
S24-2.14		Measure Type A3-A4 "A" flange	13	1	29APR08	15MAY08	24JUN08	22		0.00	3,204.40	0.00						
S24-3.02		Compress alumina shims sort by thickness	4		16MAY08	21MAY08	30JUN08	22		0.00	6,408.80	0.00						
S24-4.02		Perform metrology set-up and checks	2		22MAY08	23MAY08	02JUL08	22		0.00	0.00	0.00						
S24-4.03		Ready For Preassembly A4B4C4	0		27MAY08	23MAY08	02JUL08	22		0.00	0.00	0.00						

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
Pre measurement of MCHP A5,B5,C5 flanges																
S25-1.01		Verify mating MC's of MCHP will come together	4		27MAY08	30MAY08	09JUL08	22		0.00	6,408.80	0.00				
S25-1.02		Epoxy paint all close fitting interfacing surfac	3		02JUN08	04JUN08	14JUL08	22		0.00	4,806.60	0.00				
S25-2.01		Set the A5 coil on fixture, A side flange down	1		05JUN08	05JUN08	15JUL08	22		0.00	1,602.20	0.00				
S25-2.02		Align to the conical seats locking into min of 8	2		06JUN08	09JUN08	17JUL08	22		0.00	0.00	0.00				
S25-2.03		Measure monuments on fixture and walls.	7		10JUN08	18JUN08	28JUL08	22		0.00	0.00	0.00				
S25-2.04		Measure tooling ball monuments	1		19JUN08	19JUN08	29JUL08	22		0.00	0.00	0.00				
S25-2.05		Scan the B flange of A5	1		20JUN08	20JUN08	30JUL08	22		0.00	0.00	0.00				
S25-2.07		Remove A5 move to holding area.	1		23JUN08	23JUN08	31JUL08	22		0.00	1,602.20	0.00				
S25-2.08		Measure B5 "A" flange	14		24JUN08	14JUL08	20AUG08	22		0.00	3,204.40	0.00				
S25-2.11		Measure C5 "A" flange	13		15JUL08	31JUL08	09SEP08	22		0.00	3,204.40	0.00				
S25-2.14		Measure Type A5-A6 "A" flange	13		01AUG08	19AUG08	26SEP08	22		0.00	3,204.40	0.00				
S25-3.02		Compress alumina shims sort by thickness	4		20AUG08	25AUG08	02OCT08	22		0.00	4,806.60	0.00				
S25-4.02		Perform metrology set-up and checks	2		26AUG08	27AUG08	06OCT08	22		0.00	0.00	0.00				
S25-4.03		Ready For Preassembly A5B5C5	0		28AUG08	27AUG08	06OCT08	22		0.00	0.00	0.00				
Pre measurement of MCHP A6,B6,C6 flanges																
S26-1.01		Verify mating MC's of MCHP will come together	4		28AUG08	03SEP08	10OCT08	22		0.00	6,408.80	0.00				
S26-1.02		Epoxy paint all close fitting interfacing surfac	3		04SEP08	08SEP08	15OCT08	22		0.00	4,806.60	0.00				
S26-2.08		Measure B6 "A" flange	14	1	09SEP08	26SEP08	04NOV08	22		0.00	3,204.40	0.00				
S26-2.11		Measure C6 "A" flange	13	1	29SEP08	15OCT08	21NOV08	22		0.00	3,283.94	0.00				
S26-2.14		Measure Type A5-A6"A" flange	13	1	16OCT08	03NOV08	12DEC08	22		0.00	3,298.40	0.00				
S26-3.02		Compress alumina shims sort by thickness	4		04NOV08	07NOV08	18DEC08	22		0.00	6,596.80	0.00				
S26-4.02		Perform metrology set-up and checks	2		10NOV08	11NOV08	22DEC08	22		0.00	0.00	0.00				
S26-4.03		Ready For Preassembly A6B6C6	0		12NOV08	11NOV08	22DEC08	22		0.00	0.00	0.00				
+ Station 2-MC Sub Assy A1-B1-C1																
			111	1	12DEC07	23MAY08	09MAY08	-39		0.00	133,383.15	0.00				
+ Station 2 MC Sub Assy A2-B2-C2																
			113	1	10DEC07	23MAY08	19JUN08	-29		0.00	95,330.90	0.00				
+ Station 2-Modular Coil Subassembly-FP#2																
			140	1	27MAY08	12DEC08	26NOV08	-2		0.00	280,034.72	0.00				
+ Station 2-Modular Coil Subassembly-FP#3																
			123		01OCT08	02APR09	25MAR09	-11		0.00	285,311.60	0.00				
Station 3 Setup/Preparations/General																
R1810-3102		Misc M&S	65	1	03APR08*	03JUL08	03JUL08	1,060		0.00	6,540.00	0.00				
R1810-3104		Procure 3 legged actuator system	20	1	01SEP07A	28SEP07A	26OCT07		100	54,868.00	54,868.00	0.00				
R1810-3106		Load test 3 ledged actuator system	3	1	01NOV07	05NOV07	31OCT07	75		0.00	7,690.56	-7,690.56				
R1810-3108		Procure ,Fabricate 3 legged actuator lift fixtur	20	1	01NOV07*	30NOV07	26OCT07	50		0.00	7,848.00	-7,848.00				
R1810-3112		Load Test 3 legged actuator lift fixtur	8	1	03DEC07	12DEC07	07NOV07	50		0.00	10,254.08	-3,845.28				
R1810-3150		Fab New legs	4	1	01NOV07*	06NOV07	04OCT07	64		0.00	5,127.04	-5,127.04				
R1810-3103		Install station 3 platforms (8 required)	4	1	16JAN08	21JAN08	23NOV07	23		0.00	22,052.32	0.00				
R1810-3107		Test out station 3 equipment and procedures	4	1	22JAN08	25JAN08	03DEC07	23		0.00	13,080.00	0.00				

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY					
													FY08	FY09	FY10	FY11		
R1810-3109		Begin assay of first field period assay	2	1	28JAN08	29JAN08	05DEC07	23		0.00	52,320.00	0.00						
+ Station 3-Assemble Mod Coils and VVSA-FP#1																		
			211	1	03MAR08	07JAN09	29OCT08	-39		0.00	166,710.90	0.00						
+ Station 3-Assemble Mod Coils and VVSA-FP#2																		
			75		08JAN09	22APR09	11MAR09	-39		0.00	171,080.40	0.00						
+ Station 3-Assemble Mod Coils and VVSA-FP#3																		
			71	2	23APR09	03AUG09	08JUN09	-39		0.00	172,729.60	0.00						
<b>Job: 1815 - Field Period Assy -Station 5-VIOLA</b>																		
Setup/Preparations/General																		
R1810-5101		MTM NCR hardware re-purchase	25	1	01JUL08*	05AUG08	05AUG08	39		0.00	54,936.00	0.00						
R1810-5102		Monuments,reflectors,CCR's	10	1	01JUL08*	15JUL08	15JUL08	44		0.00	67,689.00	0.00						
R1810-5103		metrology network in NCSX TC	10	1	16JUL08	29JUL08	29JUL08	44		0.00	21,973.60	0.00						
R1810-5104		Misc for tooling	10	1	25AUG08*	08SEP08	08SEP08	39		0.00	0.00	0.00						
R1810-5112		Weld wire & welding supplies	25	1	01JUL08*	05AUG08	05AUG08	39		0.00	19,620.00	0.00						
R1810-5106		Testout Sta 5 equipt & procedures	5	1	06AUG08	12AUG08	12AUG08	39		0.00	12,817.60	0.00						
R1810-5107		Check 3 sled interfaces adjust holes	12	1	13AUG08	28AUG08	28AUG08	39		0.00	30,762.24	0.00						
R1810-5108		Fixtures installed-final metrology	6	1	29AUG08	08SEP08	08SEP08	39		0.00	15,381.12	0.00						
+ Station 5- Final FP Assy -FP#1 (in NCSX TC)																		
			145		08JAN09	31JUL09	29MAY09	-39		0.00	362,824.00	0.00						
+ Station 5- Final FP Assy -FP#2 (in NCSX TC)																		
			145		23APR09	16NOV09	05OCT09	-21		0.00	375,743.20	0.00						
+ Station 5- Final FP Assy -FP#3 (in NCSX TC)																		
			112	2	04AUG09	21JAN10	13NOV09	-39		0.00	379,607.20	0.00						
<b>19 - Stellarator Core Management and Integration</b>																		
<b>Job: 1901 - Stellarator Core Mngtt&amp;Integr-COLE</b>																		
191 - Stellarator Core Management & Oversight																		
1901-07		WBS 191 FY07	LOE	106*	1	01MAY07A	28SEP07A	28SEP07		LOE	77,380.44	77,380.44	0.00					
1901-08		WBS 191 FY08	LOE	249*	1	01OCT07A	29SEP08	29SEP08	1,000	LOE	19,177.72	208,453.58	-77.03					
1901-09		WBS 191 FY09	LOE	247*	1	01OCT08*	28SEP09	28SEP09	752	LOE	0.00	221,094.09	0.00					
1901-10		WBS 191 FY10	SA LOE	248*	1	01OCT09*	30SEP10	30SEP10	502	LOE	0.00	229,029.48	0.00					
1901-11		WBS 191 FY10	LOE	79*	1	01OCT10*	31JAN11	31JAN11	423	LOE	0.00	95,379.48	0.00					
192 - Stellarator Core Integration & Analysis																		
1902-07		WBS 192 FY07		106*	1	01MAY07A	28SEP07A	28SEP07		LOE	84,180.68	84,180.68	0.00					
1902-08		WBS 192 FY08		249*	1	01OCT07A	29SEP08	29SEP08	1,000	LOE	18,393.06	199,924.56	-73.87					
1902-09		WBS 192 FY09		247*	1	01OCT08*	28SEP09	28SEP09	752	LOE	0.00	210,949.08	0.00					
1902-10		WBS 192 FY10		248*	1	01OCT09*	30SEP10	30SEP10	502	LOE	0.00	219,015.60	0.00					
1902-11		WBS 192 FY10		79*	1	01OCT10*	31JAN11	31JAN11	423	LOE	0.00	74,333.10	0.00					



Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<b>21 - Fueling Systems</b>																
<b>Job: 2101 - Fueling Systems-BLANCHARD</b>																
211-101		Preliminary Design	20		01SEP09*	29SEP09	29SEP09	55		0.00	12,552.88	0.00				
211-105		Gas Fueling - PDR	1		30SEP09	30SEP09	30SEP09	55		0.00	0.00	0.00				
211-109		Final Design	20		01OCT09	28OCT09	28OCT09	55		0.00	21,133.36	0.00				
211-113		Gas Fueling - FDR	1		29OCT09	29OCT09	29OCT09	55		0.00	0.00	0.00				
211-117		Title III	85		30OCT09	11MAR10	11MAR10	644	LOE	0.00	2,738.08	0.00				
211-121		Procure Material and Supplies	65		30OCT09	11FEB10	11FEB10	55		0.00	7,160.00	0.00				
211-125		Fabricate/Install/Test	40		23JUN10	18AUG10	23JUN10	-37		0.00	24,898.28	0.00				
<b>22 - Torus Vacuum Pumping Systems</b>																
<b>Job: 2201 - Vacuum Pumping Systems-BLANCHARD</b>																
220-101		Preliminary Design	30		02JAN09*	12FEB09	12FEB09	190		0.00	30,783.52	0.00				
220-105		Torus Vacuum Pumping - PDR	1	R	13FEB09	13FEB09	13FEB09	190		0.00	0.00	0.00				
220-109		Final Design	35		16FEB09	03APR09	03APR09	190		0.00	39,214.80	0.00				
220-113		Torus Vacuum Pumping - FDR	1	R	06APR09	06APR09	06APR09	190		0.00	0.00	0.00				
220-117		Procure/Install AC pwr & Instrumentation	95		01DEC09*	22APR10	22APR10	25		0.00	53,724.64	0.00				
220-133		Procure/Install VPS mechanical	115		30OCT09	22APR10	22APR10	25		0.00	45,270.28	0.00				
220-137		Test	20		23APR10*	20MAY10	20MAY10	25		0.00	3,002.12	0.00				
<b>31 - Magnetic Diagnostics</b>																
<b>Job: 3101 - Magnetic Diagnostics-STRATTON</b>																
<b>Modular Coil C-wound Loops</b>																
3101-229		Fabricate(12) MC Protective boxes (completed)	43		01MAY07A	01MAY07A	01MAY07A	100		0.00	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	0.00				
3101-317		PRELIM DESIGN ROWGOWSKI COIL incl prototype	30		13JUN07A	25JUL07A	25JUL07	100		16,670.28	16,670.28	0.00				
3101-318		ROWGOWSKI COIL - PDR	0			29JUN07A	25JUL07*	100		0.00	0.00	0.00				
3101-325		FINAL DESIGN ROWGOSKI COIL	7*			09AUG07A	06SEP07	100		21,435.88	21,435.88	0.00				
3101-340		subcontract winding 3 mandrels*DELETED TASK	0*		01NOV07*	31OCT07	06SEP07	1,226		0.00	0.00	0.00				
3101-326	3	ROWGOSKI COIL - FDR	0			09AUG07A	06SEP07	100		0.00	0.00	0.00				
3101-329		FAB ROWGOWSKI COILS incl clamps	40*		28NOV07*	31JAN08	08NOV07	1,169		0.00	41,918.79	-19,325.62				
3101-330		Title III	115*		10AUG07A	31JAN08	08NOV07	1,169	LOE	4,770.53	9,465.34	-3,432.76				
<b>TF and PF Co-wound Loops</b>																
3101-425		Design Protective boxes for PF	20		17DEC07*	22JAN08	26OCT07	79		0.00	24,881.50	-24,881.50				
3101-426		Purchase SS Sheet	15		23JAN08	12FEB08	16NOV07	186		0.00	1,218.07	-243.61				

Activity ID	MILE-STONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
3101-452		Form Protective boxes	20		13FEB08	11MAR08	18DEC07	186		0.00	13,475.22	0.00				
3101-454		Weld end plates of PF protective boxes	10		12MAR08	25MAR08	10JAN08	186		0.00	1,441.98	0.00				
3101-427		Purchase Heat Shrink tubing	15		23JAN08	12FEB08	24SEP07	104		0.00	3,096.66	-3,096.66				
3101-428		Purchase aad'l CoAxial cable	40		23JAN08	18MAR08	29OCT07	79		0.00	6,046.22	-6,046.22				
3101-450		Prototype PF Loops	10		19MAR08*	01APR08	12NOV07	79		0.00	1,585.32	-317.06				
3101-458		FabTF,PF & solenoid co-wound loops	186		02JUL07A	03OCT08	18JAN08	79	30	4,918.31	16,394.35	4,918.31				
3101-456		Title III	70		23JAN08	29APR08	14FEB08	189	LOE	0.00	5,788.44	-248.08				
<b>T/C and Heater Tape Leads</b>																
1204-140		Design T/C and Heater Tape Leads	44		30JUL07A	06NOV07	28AUG07	84	90	22,532.51	25,036.12	-2,503.61				
1204-140.2		Design Drafting T/C and Heater Tape Leads	44		01NOV07	14JAN08	28AUG07	44	0	1,063.19	3,543.96	-2,480.77				
1204-140.1		Peer Review T/C and Heater Tape Leads DELETED**	0		01NOV07	31OCT07	14AUG07	1,226		0.00	0.00	0.00				
1204-141		Drawings Signed T/C and Heater Tape Leads	0			14JAN08	28AUG07	44		0.00	0.00	0.00				
1204-146		Procurement support T/C and Heater Tape Leads	20			31JUL07A	26SEP07		100	6,032.80	6,032.80	0.00				
1204-147		Field/Fab support (title III) T/C&Heater Tape	65		15JAN08	14APR08	08JAN08	1,117	LOE	0.00	4,019.75	-1,546.06				
1204-148		Machine 12 2.75 cf blanks	20			31JUL07A	26SEP07		100	4,461.12	4,461.12	0.00				
1204-150		Rubber seal	20		01SEP07A	28SEP07A	26SEP07		100	0.00	0.00	0.00				
1204-151		Machine 6 commercial aluminum boxes	20		15JAN08	06FEB08	26SEP07	44	17	808.51	4,755.96	-3,947.45				
<b>Flux loop junction boxes and spacer templates</b>																
1204-160		Design Protective Boxes	10		01MAY07A	14MAY07A	14MAY07		100	3,318.04	3,318.04	0.00				
1204-165		Issue req,Bid & Award- Flux Loop Junction Boxes	25		15MAY07A	19JUN07A	19JUN07		100	0.00	0.00	0.00				
1204-170		Autocad dwgs of field runs/tag#/ports assignmt	10		01JUN07A	29JUN07A	14AUG07		100	16,891.84	16,891.84	0.00				
1204-161		Fab Protective Boxes	10		01JUN07A	29JUN07A	22AUG07		100	5,623.76	5,623.76	0.00				
1204-171		Prep Dwgs of spacer loops	10		12NOV07*	27NOV07	14AUG07	521		0.00	7,194.60	-7,194.60				
1204-172		Title III	96		15MAY07A	28SEP07A	28SEP07		LOE	18,098.40	18,098.40	0.00				
1204-173		Purchase material for boxes&spacers (in job 1204	35		20JUN07A	29JUN07A	08AUG07		100	6,111.88	6,111.88	0.00				
<b>Voltage Loops &amp; Protective Boxes</b>																
3101-800		Design Routing and Boxes	62		01AUG07A	30NOV07	26OCT07	1,186	50	4,747.16	9,494.31	-4,747.15				
3101-802		Fab 3 protective Boxes (Use Existing Box)	10		03DEC07	14DEC07	09NOV07	1,196		0.00	1,118.28	-335.49				
3101-804		Purchase 900ft cable	20		03DEC07*	08JAN08	23NOV07	1,186		0.00	2,414.38	-402.40				
3101-806		Title III	20		03DEC07	08JAN08	23NOV07	1,186	LOE	0.00	964.74	-160.79				
<b>36 - Edge and Divertor Diagnostics</b>																
<b>Job: 3601 - Edge Divertor Diagnostics-STRATTON</b>																
361-001		Design Visible Camera sys	40		01OCT09*	25NOV09	25NOV09	51		0.00	17,054.80	0.00				
361-015		Procure flange,window and material	65		30NOV09	10MAR10	10MAR10	51		0.00	5,012.00	0.00				
361-016		fabricate and assemble Visible tv camera sys	20		11MAR10	07APR10	07APR10	51		0.00	8,828.96	0.00				

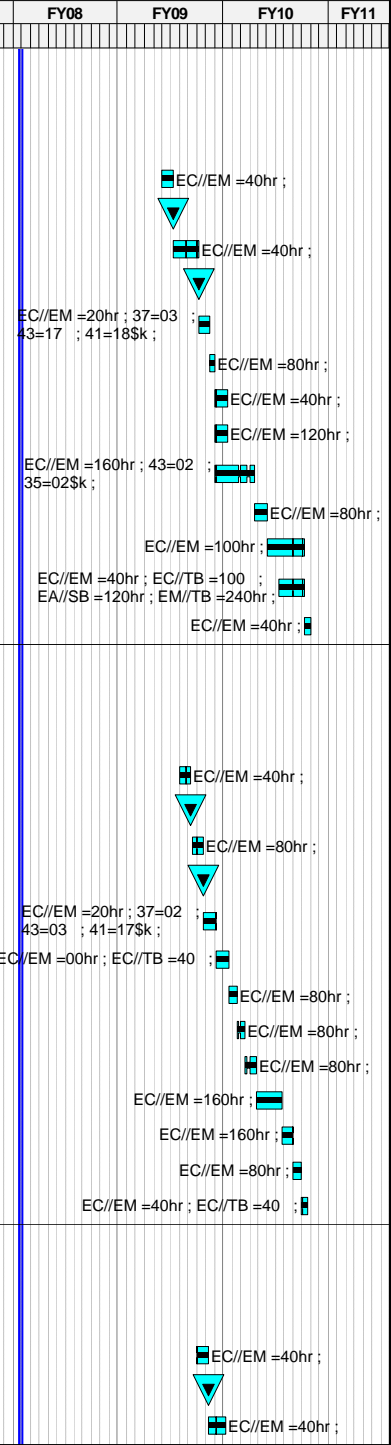
Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<b>38 - Electron Beam (EB) Mapping</b>																
<b>Job: 3801 - Electron Beam Mapping-STRATTON</b>																
380-010		E-beam mapping- Prelim Design	40		02MAR09*	24APR09	24APR09	114		0.00	44,761.80	0.00				
380-015		E-beam mapping - PDR	1	R	27APR09	27APR09	27APR09	114		0.00	0.00	0.00				
380-100		E-beam mapping-Final Design	40		28APR09*	23JUN09	23JUN09	114		0.00	56,544.80	0.00				
380-110		E-beam mapping - FDR	1	R	24JUN09	24JUN09	24JUN09	114		0.00	0.00	0.00				
380-115		E-beam mapping-Procure Rack	65		01OCT09*	13JAN10	13JAN10	46		0.00	47,369.60	0.00				
380-120		E-beam mapping-Procure Ports	65		01OCT09	13JAN10	13JAN10	46		0.00	5,728.00	0.00				
380-130		E-beam mapping-Procure Data Acquisition	65		01OCT09*	13JAN10	13JAN10	46		0.00	14,320.00	0.00				
380-135		E-beam mapping- Assemble	65		14JAN10*	14APR10	14APR10	46		0.00	94,239.24	0.00				
380-135M	2	E-beam mapping apparatus ready for Installation	0			14APR10	14APR10	46		0.00	0.00	0.00				
<b>39 - Diagnostics Integration</b>																
<b>Job: 3901 - Diagnostics sys Integration-STRATTON</b>																
390-03		LOE Support FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	11,359.44	11,359.44	0.00				
390-04		LOE Support FY08	249*		01OCT07A	29SEP08	29SEP08	1,000	LOE	2,689.01	29,228.35	-10.80				
390-05		LOE Support FY09	247*		01OCT08*	28SEP09	28SEP09	752	LOE	0.00	30,084.70	0.00				
390-06		LOE Support FY10	246*		01OCT09*	28SEP10	28SEP10	504	LOE	0.00	62,037.90	0.00				
<b>41 - AC Power</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	0.00				
411-1-100		Ex-Test cell AC pwr-Reactiv.&new instl	210		02JAN09*	27OCT09	27OCT09	114		0.00	12,652.35	0.00				
411-2-2		Grounding-Dsn	65		02JAN09*	02APR09	02APR09	87		0.00	32,604.96	0.00				
411-2-4		Grounding-Procure	107		18AUG09*	28JAN10	28JAN10	70		0.00	14,218.60	0.00				
411-2-6		Grounding-Install	43		29JAN10*	30MAR10	30MAR10	70		0.00	46,659.48	0.00				
411-2-8		Grounding-Commission	29		31MAR10*	10MAY10	10MAY10	70		0.00	16,166.80	0.00				
411-3-2		Test Cell AC Power Distr-Dsn**GPP**	90		02JAN09*	07MAY09	07MAY09	104		0.00	0.00	0.00				
411-3-4		TC AC Pwr Distr-Procure(pnl&xfrmrs)**GPP**	65		08MAY09	10AUG09	10AUG09	104		0.00	0.00	0.00				
411-3-6		Test Cell AC Power Distr-Install**GPP**	65		11AUG09	10NOV09	10NOV09	104		0.00	0.00	0.00				
411-3-8		Test Cell AC Power Distr-Commission**GPP**	45		11NOV09*	26JAN10	26JAN10	104		0.00	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	0.00				
412-1-4		C-site Pulsed AC Power Distr-Procure	94*		18AUG09	11JAN10	11JAN10	37		0.00	7,102.29	0.00				
412-1-6		C-site Pulsed AC Power Distr-Install	40		12JAN10	08MAR10	08MAR10	37		0.00	11,553.36	0.00				

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY								
													FY08	FY09	FY10	FY11					
412-1-8		C-site Pulsed AC Power Distr-Commission	78		09MAR10	25JUN10	25JUN10	37		0.00	11,384.00	0.00							EE//EM =24hr ; EE//SM =24hr ; EE//TB =40hr ;		
4101ACPWR		Prior ac pwr work reclassified as gpp	356		01MAY07A	31MAY07A	31MAY07A		100	-104,100.00	-104,100.00	0.00									
<b>43 - DC Systems</b>																					
<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	0.00							EE//EM =08hr ; EE//SM =06hr ;		
431-210		Organize & verify documentation	20		29OCT08*	25NOV08	25NOV08	387		0.00	4,531.16	0.00							EA//SB =10hr ; EE//EM =16hr ; EE//SM =03hr ;		
431-215		Document status	10		26NOV08*	11DEC08	11DEC08	387		0.00	2,857.28	0.00							EE//EM =16hr ;		
431-225		Reactivate DF & PEI units	15		12DEC08*	12JAN09	12JAN09	387		0.00	22,697.68	0.00							EE//EM =40hr ; EE//SM =08hr ; EE//TB =40hr ; 41=08\$K ;		
431-230		Duummy Load test of DF & PEI units	15		13JAN09*	02FEB09	02FEB09	387		0.00	11,490.04	0.00							EE//EM =32hr ; EE//TB =40hr ; EE//SM =08hr ; 41=01\$K ;		
431-240		Simulate each of 6 pwr loops in PSCAD	90		01OCT08*	16FEB09	16FEB09	260		0.00	18,572.32	0.00							EE//EM =104hr ;		
431-250		c-site dc sys DGS dsn documentation	90		01OCT08*	16FEB09	16FEB09	260		0.00	61,765.20	0.00							EA//SB =240hr ; EE//EM =180hr ;		
431-261		Redo power loop design	90		01OCT08*	16FEB09	16FEB09	260		0.00	52,479.04	0.00							EA//SB =240hr ; EE//EM =128hr ;		
431-265		Fabricate bus components	20		29JUL09*	25AUG09	25AUG09	146		0.00	86,139.48	0.00							EE//EM =16hr ; EE//SM =32hr ; EE//TB =120hr ; 41=45\$K ; EA//SB =40hr ;		
431-275		Power cabling & Installation	97		02NOV09*	30MAR10	30MAR10	99		0.00	317,964.40	0.00							41=140\$K ; EE//EM =40hr ; EE//SM =240hr ; EE//TB =520hr ; EA//SB =240hr ;		
431-276		Maint of C-site rectifiers	501*		01OCT07A	02OCT09	02OCT09	216	LOE	1,013.22	22,026.38	2.02							41=05\$K ; EE//TB =120hr ; EE//SM =40hr ;		
<b>44 - Control and protection Systems</b>																					
<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	0.00							EA//SB =40hr ; EE//EM =80hr ;		
441-097		Install Interlock sys	40		01SEP09	27OCT09	27OCT09	241		0.00	26,431.48	0.00							EE//EM =80hr ;		
441-100		PLC Specification	20		02MAR09*	27MAR09	27MAR09	75		0.00	12,493.28	0.00							EE//EM =24hr ; EE//SM =56hr ;		
441-105		Prep Block diagrams	20		30MAR09	24APR09	24APR09	75		0.00	16,010.72	0.00							EE//EM =24hr ; EE//SM =80hr ;		
441-110		PLC CWD's & Cabling	40		27APR09*	22JUN09	22JUN09	75		0.00	63,679.68	0.00							EE//EM =16hr ; EE//SM =24hr ; EE//TB =320hr ;		
441-115		deliver PLC	130		23JUN09	06JAN10	06JAN10	75		0.00	98,920.77	0.00							41=70\$K ;		
441-120		Program PLC Logic	45		07JAN10	10MAR10	10MAR10	75		0.00	48,189.60	0.00							EE//EM =64hr ; ee/sm=240		
441-125		Program Control pages	40		11MAR10	05MAY10	05MAY10	75		0.00	30,509.20	0.00							EC//EM =40hr ; EE//EM =32hr ; EE//SM =120hr ;		
441-130		Pre-commissioning tests	20		06MAY10	03JUN10	03JUN10	75		0.00	27,004.00	0.00							41=01\$K ; EE//EM =40hr ; EE//SM =120hr ;		
441-135		Install I/O Cabling control & protection	90		25FEB10	01JUL10	01JUL10	75		0.00	127,497.20	0.00							41=38\$K ; 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	0.00							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	0.00							41=10\$K ; EE//EM =08hr ; EE//SM =24hr ;		

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
442-1-6		Kirk Keys-Install	90		01APR10*	06AUG10	06AUG10	30		0.00	34,702.00	0.00	41=15\$K ; 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	0.00	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	0.00	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	0.00	EA//SB =40hr ; EE//EM =24hr ;			
444-2-4		DC Potential Transducers (DCPTs)-Procure	65		30NOV09	10MAR10	10MAR10	100		0.00	10,633.92	0.00	41=06\$K ; EA//SB =16hr ;			
444-2-6		DC Potential Transducers (DCPTs)-Install	40		11MAR10	05MAY10	05MAY10	100		0.00	21,894.32	0.00	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	0.00	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	0.00	EA//SB =32hr ; EE//EM =24hr ;			
444-4-2		Signal Conditioning & Cabling-Dsn	130		01JUL09*	14JAN10	14JAN10	54		0.00	90,210.87	0.00	EA//SB =24hr ; EE			
444-4-4		Signal Conditioning & Cabling-Procure	65		15JAN10	15APR10	15APR10	54		0.00	20,138.40	0.00	41=12\$K ; EE//EM =16hr ;			
444-4-6		Signal Conditioning & Cabling-Install	65		16APR10	19JUL10	19JUL10	54		0.00	27,638.00	0.00	EE//EM =24hr ; EE//TB =280hr ;			
444-4-8		Signal Conditioning & Cabling-Commission	10		20JUL10	02AUG10	02AUG10	54		0.00	18,240.40	0.00	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	0.00	EA//SB =40hr ; EE//EM =160hr ; EE//SM =16hr ;			
445-1-4		Ground Fault Protection-Procure	65		18AUG09*	17NOV09	17NOV09	81		0.00	28,383.62	0.00	41=18\$K ; EE//EM =16hr ;			
445-1-6		Ground Fault Protection-Install	75		18NOV09*	16MAR10	16MAR10	81		0.00	25,626.96	0.00	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	0.00	EE//EM =24hr ; EE//SM =24hr ; EE//TB =32hr ;			
445-2-105		Overload Protect-Write spec and approve	20		03AUG09*	28AUG09	28AUG09	102		0.00	14,286.40	0.00	EE//EM =80hr ;			
445-2-110		Overload Protect-Design	40		31AUG09*	26OCT09	26OCT09	112		0.00	26,177.60	0.00	EA//SB =32hr ; EE//EM =96hr ; EE//SM =32hr ;			
445-2-115		Overload Protect-Fabr 4 chassis	65		27OCT09*	08FEB10	08FEB10	132		0.00	27,049.20	0.00	EE//EM =48hr ; EE//SM =120hr ;			
445-2-120		Overload Protect-Test 4 units	10		09FEB10	22FEB10	22FEB10	132		0.00	10,758.40	0.00	EE//EM =32hr ; EE//SM =32hr ;			
445-2-125		Overload Protect-Install & Rack wiring	20		23FEB10	22MAR10	22MAR10	132		0.00	20,532.55	0.00	EE//EM =48hr ; EE//SM =77hr ;			
445-2-130		Overload Protect-Write & perform ISTEP	15		23MAR10	12APR10	12APR10	132		0.00	10,758.40	0.00	EE//EM =32hr ; EE//SM =32hr ;			
445-2-135		Overload Protect-Documentation	180		31AUG09*	24MAY10	24MAY10	102		0.00	11,077.36	0.00	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	0.00	41=13\$K ; EA//SB =80hr ; EE//EM =96hr ; EE//SM =45hr ; EE//TB =96hr ;			
<b>45 - Power System Design and Integration</b>																
<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	0.00	EE//EM =40hr ;			
451-3-2		Dwgs,asbuilts -Elect Dsn	245		08OCT08*	01OCT09	01OCT09	259		0.00	96,653.42	0.00	EA//SB =320hr ; EE//EM			
451-2-2		PDR Prep Power system -Dsn	40		22OCT08	18DEC08	18DEC08	146		0.00	32,941.44	0.00	EA//SB =128hr ; EE//EM =96hr ;			
451-2-3	2	Power system - PDR	0	R		18DEC08	18DEC08	146		0.00	0.00	0.00	▼			
451-6-2		Final design C-Site -Cabling	149		19DEC08	28JUL09	28JUL09	146		0.00	29,096.80	0.00	EA//SB =120hr ; EE//EM			

Activity ID	MILE-STONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY08				FY09				FY10				FY11														
451-2-2.1		Final Design C-Site	149		19DEC08	28JUL09	28JUL09	146		0.00	29,096.80	0.00																											
451-1-2		Calculations-Dsn	149		22OCT08*	01JUN09	01JUN09	186		0.00	8,130.56	0.00																											
451-202.2	2	Power systems C-Site - FDR	0	R		28JUL09	28JUL09	146		0.00	0.00	0.00																											
451-4-2		Final Dsn AC auxiliaries & grounding-Dsn	45		15JUN09	17AUG09	17AUG09	37		0.00	12,080.00	0.00																											
451-402.1		AC auxiliaries & grounding - FDR	0	R		17AUG09	17AUG09	37		0.00	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	0.00																											
452-1-4		Diagnostics AC Power Distr-Procure	40		27APR09	22JUN09	22JUN09	170		0.00	2,384.36	0.00																											
452-1-6		Diagnostics AC Power Distr-Install	130		23JUN09	06JAN10	06JAN10	170		0.00	78,393.29	0.00																											
452-1-8		Diagnostics AC Power Distr-Commission	30		07JAN10	17FEB10	17FEB10	170		0.00	29,816.40	0.00																											
452-2-2		Diagnostics sensor cabling-Dsn	43		01MAY09*	01JUL09	01JUL09	205		0.00	24,033.12	0.00																											
452-2-4		Diagnostics sensor cabling-Procure	65		02JUL09	02OCT09	02OCT09	205		0.00	2,796.15	0.00																											
452-2-6		Diagnostics sensor cabling-Install	43		05OCT09	04DEC09	04DEC09	205		0.00	21,064.80	0.00																											
452-2-8		Diagnostics sensor cabling-Commission	10		07DEC09	18DEC09	18DEC09	205		0.00	6,554.16	0.00																											
<b>453 - System Testing (PTP's)</b>																																							
453-1-2		New Procedures	90		01JUL09*	05NOV09	05NOV09	134		0.00	24,269.34	0.00																											
453-1-3		Preop Testing-Procure test equip	65		03AUG09*	02NOV09	02NOV09	217		0.00	28,187.69	0.00																											
453-1-4		TF Coil Test	20		15NOV10*	14DEC10	18OCT10	-39		0.00	19,528.70	0.00																											
453-1-5		PF Coil Test	20		15NOV10*	14DEC10	18OCT10	-39		0.00	19,528.70	0.00																											
453-1-6		Trim Coil Coil Test	20		15NOV10*	14DEC10	18OCT10	-39		0.00	18,794.70	0.00																											
453-1-8		Testing PTPs, ISTPs	100		23JUL10*	14DEC10	18OCT10	-39		0.00	161,399.82	0.00																											
<b>51 - Network and Fiber Infrastructure</b>																																							
<b>Job: 5101 - Network and Fiber Infrastruct-SICTA</b>																																							
R51-10		Preliminary Design	30		01JUL09*	12AUG09	12AUG09	93		0.00	4,652.70	0.00																											
R51-11		PDR	0	R		12AUG09	12AUG09	93		0.00	0.00	0.00																											
R51-20		Final Design	60		13AUG09	05NOV09	05NOV09	93		0.00	4,721.21	0.00																											
R51-21		FDR	0	R		05NOV09	05NOV09	93		0.00	0.00	0.00																											
R51-30		Procurement	60		06NOV09	11FEB10	11FEB10	93		0.00	52,884.80	0.00																											
R51-50		Installation	60		12FEB10	06MAY10	06MAY10	93		0.00	83,587.00	0.00																											
R51-60		Test	14		07MAY10	26MAY10	26MAY10	93		0.00	4,766.40	0.00																											

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<b>52 - Central Instrumentation &amp; Control</b>																
<b>Job: 5201 - I&amp;C Systems-SICHTA</b>																
R52-10		Preliminary Design	30		02MAR09*	10APR09	10APR09	49		0.00	6,203.60	0.00				
R52-11		PDR	0	R		10APR09	10APR09	49		0.00	0.00	0.00				
R52-20		Final Design	60		13APR09	07JUL09	07JUL09	49		0.00	6,203.60	0.00				
R52-21		FDR	0	R		07JUL09	07JUL09	49		0.00	0.00	0.00				
R52-30		Procurement	30		08JUL09	18AUG09	18AUG09	49		0.00	33,500.80	0.00				
R52-40		EPICS Programming - Base	10		19AUG09	01SEP09	01SEP09	49		0.00	12,407.20	0.00				
R52-50		EPICS Programming - VDCT db editor	30		02SEP09	14OCT09	14OCT09	229		0.00	6,273.87	0.00				
R52-60		IOC Programming - MDSplus data & events	30		02SEP09	14OCT09	14OCT09	229		0.00	18,821.60	0.00				
R52-70		OPC - EPICS/PLC Interface	90		02SEP09	20JAN10	20JAN10	49		0.00	28,002.44	0.00				
R52-80		Appl. Programming-T/C	30		21JAN10	03MAR10	03MAR10	49		0.00	12,828.80	0.00				
R52-90		Programming - misc.	90		04MAR10	09JUL10	09JUL10	49		0.00	16,036.00	0.00				
R52-100		Installation	60		15APR10	09JUL10	09JUL10	49		0.00	49,987.20	0.00				
R52-110		Test	14		12JUL10	29JUL10	29JUL10	49		0.00	6,414.40	0.00				
<b>53 - Data Acquisition &amp; Facility Computing</b>																
<b>Job: 5301 - Data Acquisition-SICHTA</b>																
R53-10		Preliminary Design	30		01MAY09*	12JUN09	12JUN09	55		0.00	6,203.60	0.00				
R53-11		PDR	0	R		12JUN09	12JUN09	55		0.00	0.00	0.00				
R53-20		Final Design	30		15JUN09	27JUL09	27JUL09	55		0.00	12,407.20	0.00				
R53-21		FDR	0	R		27JUL09	27JUL09	55		0.00	0.00	0.00				
R53-30		Procurement	30		28JUL09	08SEP09	08SEP09	55		0.00	30,352.80	0.00				
R53-40		Installation	30		09SEP09	20OCT09	20OCT09	55		0.00	3,063.79	0.00				
R53-50		MDSplus Installation	20		21OCT09	17NOV09	17NOV09	55		0.00	12,828.80	0.00				
R53-60		MDSplus Programming - Tree Design	20		18NOV09	17DEC09	17DEC09	55		0.00	12,828.80	0.00				
R53-70		MDSplus Programming - Shot Sync	20		18DEC09	26JAN10	26JAN10	55		0.00	12,828.80	0.00				
R53-110		Programming - Misc.	60		27JAN10	20APR10	20APR10	55		0.00	25,657.60	0.00				
R53-80		MDSplus Programming - Dispatcher	30		21APR10	02JUN10	02JUN10	55		0.00	25,657.60	0.00				
R53-90		MDSplus Programming - Acquisition	20		03JUN10	30JUN10	30JUN10	55		0.00	12,828.80	0.00				
R53-120		Test	14		01JUL10	21JUL10	21JUL10	55		0.00	9,532.80	0.00				
<b>54 - Facility Timing &amp; Synchronization</b>																
<b>Job: 5401 - Facility Timing &amp; Synchron.-SICHTA</b>																
R54-10		Preliminary System Design	30		01JUL09*	12AUG09	12AUG09	43		0.00	6,203.60	0.00				
R54-11		PDR	0	R		12AUG09	12AUG09	43		0.00	0.00	0.00				
R54-20		Final SystemDesign	40		13AUG09	08OCT09	08OCT09	43		0.00	6,235.22	0.00				



Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY				
													FY08	FY09	FY10	FY11	
R54-21		FDR	0	R		08OCT09	08OCT09	143		0.00	0.00	0.00					
R54-30		Preliminary Design - Clock Dist.	20		09OCT09	05NOV09	05NOV09	143		0.00	10,593.20	0.00					
R54-40		Final Design - Clock Dist.	30		06NOV09	21DEC09	21DEC09	143		0.00	25,365.20	0.00					
R54-50		Test - Clock Dist.	40		26FEB10	22APR10	22APR10	103		0.00	31,617.80	0.00					
R54-60		Procurement	90		09OCT09	25FEB10	25FEB10	53		0.00	36,330.40	0.00					
R54-70		UNT - Timing & Seq Emulation (FPGA Pgm)	90		02NOV09*	19MAR10	19MAR10	127		0.00	12,473.60	0.00					
R54-80		UNT - Device Driver Prog (EPICS/MDSplus)	120		08DEC09	04JUN10	04JUN10	43		0.00	25,657.60	0.00					
R54-90		Central Clock (EPICS) Programming	30		07JUN10	19JUL10	19JUL10	43		0.00	12,828.80	0.00					
R54-100		Installation	90		26FEB10	02JUL10	02JUL10	53		0.00	27,987.20	0.00					
R54-110		Test	14		20JUL10	06AUG10	06AUG10	43		0.00	9,532.80	0.00					
<b>55 - Real Time Plasma &amp; Power Supply Control Sys</b>																	
<b>Job: 5501 - Real Time Control System-SICHTA</b>																	
R55-10		FCPC - Preliminary Design	30		03AUG09*	14SEP09	14SEP09	71		0.00	6,203.60	0.00					
R55-11		PDR	0	R		14SEP09	14SEP09	71		0.00	0.00	0.00					
R55-20		FCPC -Final Design	60		15SEP09	09DEC09	09DEC09	71		0.00	12,744.48	0.00					
R55-21		FDR	0	R		09DEC09	09DEC09	71		0.00	0.00	0.00					
R55-30		FCPC - Procurement	60		10DEC09	15MAR10	15MAR10	71		0.00	13,550.20	0.00					
R55-40		FCPC LabVIEW Programming	30		26MAR10	06MAY10	06MAY10	93		0.00	19,243.20	0.00					
R55-45		FCPC PLC Integration-EPICS Prog.	30		26MAR10	06MAY10	06MAY10	93		0.00	6,414.40	0.00					
R55-50		FCPC - Installation	60		16MAR10	08JUN10	08JUN10	71		0.00	9,532.80	0.00					
R55-60		FCPC -Test	14		09JUN10	28JUN10	28JUN10	71		0.00	7,973.60	0.00					
R55-70		GISRTC - Preliminary Design	30		01JUL09*	12AUG09	12AUG09	63		0.00	6,203.60	0.00					
R55-71		PDR	0	R		12AUG09	12AUG09	63		0.00	0.00	0.00					
R55-80		GISRTC -Final Design	60		13AUG09	05NOV09	05NOV09	63		0.00	3,147.47	0.00					
R55-81		FDR	0	R		05NOV09	05NOV09	63		0.00	0.00	0.00					
R55-90		GISRTC - Procurement	60		06NOV09	11FEB10	11FEB10	63		0.00	13,550.20	0.00					
R55-100		GISRTC LabVIEW Programming	30		12FEB10	25MAR10	25MAR10	63		0.00	19,243.20	0.00					
R55-110		GISRTC - Installation	60		26MAR10	18JUN10	18JUN10	63		0.00	7,829.28	0.00					
R55-120		GISRTC -Test	14		21JUN10	09JUL10	09JUL10	63		0.00	3,207.20	0.00					
<b>56 - Central Safety and Interlock Systems</b>																	
<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	0.00					
R56-20		Preliminary Design	30		25AUG09	06OCT09	06OCT09	39		0.00	6,231.71	0.00					
R56-21		PDR	0	R		06OCT09	06OCT09	39		0.00	0.00	0.00					
R56-30		PLC Training	60		07OCT09	12JAN10	12JAN10	159		0.00	15,374.80	0.00					
R56-35		Final Design	30		07OCT09	17NOV09	17NOV09	39		0.00	22,450.40	0.00					



Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY				
													FY08	FY09	FY10	FY11	
R56-36		FDR	0	R		17NOV09	17NOV09	39		0.00	0.00	0.00					
R56-40		Procurement	60		18NOV09	23FEB10	23FEB10	39		0.00	49,062.40	0.00					
R56-50		PLC Programming	90		24FEB10	30JUN10	30JUN10	39		0.00	19,243.20	0.00					
R56-60		Installation	70		24FEB10	02JUN10	02JUN10	59		0.00	87,412.00	0.00					
R56-70		Test	30		01JUL10	12AUG10	12AUG10	39		0.00	15,947.20	0.00					
R56-70M	2	Compl Central Safety&Interlock Sys Pre-ops Tests	0			12AUG10	12AUG10	39		0.00	0.00	0.00					
<b>58 - Central I&amp;C management and Integration</b>																	
<b>Job: 5801 - Central I&amp;C Integr&amp; Oversight-SICHTA</b>																	
R58-10		WBS58 -FY07 Management & Integration LOE	107*		01MAY07A	28SEP07A	01OCT07		LOE	7,035.00	7,035.00	0.00					
R58-20		WBS58 -FY08 Management & Integration LOE	250*		01OCT07A	30SEP08	30SEP08	999	LOE	2,217.86	24,107.20	0.00					
R58-30		WBS58 -FY09 Management & Integration LOE	249		01OCT08*	30SEP09	30SEP09	750	LOE	0.00	18,610.80	0.00					
R58-40		WBS58 -FY10 Management & Integration LOE	248		01OCT09*	30SEP10	30SEP10	502	LOE	0.00	19,243.20	0.00					
<b>61 - Water Systems</b>																	
<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	0.00					
6101-105		Procure Hardware and materials Vac Pmp water sys	90		29OCT08	16MAR09	16MAR09	258		0.00	7,459.09	0.00					
6101-110		Fabricate and Install Vac Pmp water sys	40		20APR09*	15JUN09	15JUN09	234		0.00	21,135.28	0.00					
6101-115		Test Vac Pmp water sys	22		16JUN09	16JUL09	16JUL09	234		0.00	4,622.40	0.00					
<b>62 - Cryogenic Systems</b>																	
<b>Job: 6201 - Cryogenic Syst-GETTELFINGER</b>																	
<b>621 - LN2-LHe Supply System</b>																	
621-101		LN2 - LHe Supply-Preliminary Design	20		01OCT08*	28OCT08	28OCT08	221		0.00	9,256.72	0.00					
621-121		LN2 - LHe Supply-Final Design	20		29OCT08	25NOV08	25NOV08	222		0.00	10,244.08	0.00					
621-131		LN2 - LHe Supply-Procure Hardware & Materials	65		01OCT09*	13JAN10	13JAN10	124		0.00	40,282.16	0.00					
621-141		LN2 - LHe Supply-Fabricate & Assembly	35		14JAN10	03MAR10	03MAR10	124		0.00	20,272.00	0.00					
621-151		LN2 - LHe Supply-Title III	100		01OCT09	03MAR10	03MAR10	124	LOE	0.00	7,529.72	0.00					
<b>622 - LN2 Coil Cooling Supply</b>																	
622-101		LN2 Coil Cooling Supply-Prelim Design	20		01OCT08*	28OCT08	28OCT08	221		0.00	10,984.60	0.00					
622-121		LN2 Coil Cooling Supply-Final Design	20		29OCT08	25NOV08	25NOV08	222		0.00	10,984.60	0.00					
622-131		LN2 Coil Cooling Supply-Procure Hardware	65		12AUG09*	11NOV09	11NOV09	144		0.00	22,398.49	0.00					
622-141		LN2 Coil Cooling Supply-Assemble Skid	25		12NOV09	18DEC09	18DEC09	144		0.00	18,158.80	0.00					
622-151		LN2 Coil Cooling Supply-Relocate skid to NCSX TC	25		21DEC09	03FEB10	03FEB10	144		0.00	18,158.80	0.00					
622-161		LN2 Coil Cooling Supply-Title III	115		12AUG09	03FEB10	03FEB10	144	LOE	0.00	7,454.33	0.00					
<b>623 - GN2 Cryostat Cooling System</b>																	
623-100		GN2 Cryostat Cooling Sys Development	30		05JAN09*	13FEB09	13FEB09	122		0.00	87,993.60	0.00					
623-101		GN2 Cryostat Cooling Sys-Preliminary Design	30		16FEB09*	27MAR09	27MAR09	122		0.00	18,176.80	0.00					

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY					
													FY08	FY09	FY10	FY11		
623-121		GN2 Cryostat Cooling Sys-Analysis	30		19MAR09*	29APR09	29APR09	99		0.00	30,593.60	0.00						
623-141		GN2 Cryostat Cooling Sys-WBS 62/171 PDR	1	R	30APR09	30APR09	30APR09	99		0.00	1,324.00	0.00						
623-161		GN2 Cryostat Cooling Sys-Final Design	20		01MAY09	29MAY09	29MAY09	99		0.00	16,942.60	0.00						
623-181		GN2 Cryostat Cooling Sys-WBS 62/171 FDR	1	R	11AUG09	11AUG09	11AUG09	49		0.00	1,324.00	0.00						
623-201		GN2 Cryostat Cooling Sys-Procure Hardware	88		12AUG09	16DEC09	16DEC09	49		0.00	144,346.32	0.00						
623-221		GN2 Cryostat Cooling Sys-Assemble & Install	122		17DEC09	17JUN10	17JUN10	49		0.00	156,307.20	0.00						
623-261		WBS 62/171 Cryo systems PTP	10		18JUN10	01JUL10	01JUL10	49		0.00	13,666.00	0.00						
623-261M	2	Complete Cryo Systems Pre-ops Test	0			01JUL10	01JUL10	49		0.00	0.00	0.00						
623-262		GN2 Cryostat Cooling Supply-Title III	258		12AUG09	25AUG10	25AUG10	527	LOE	0.00	8,177.58	0.00						
<b>63 - Utility Systems</b>																		
<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	0.00						
6301-005		Vac Vent and Air sys- PDR	1	R	03NOV08*	03NOV08	03NOV08	285		0.00	1,324.00	0.00						
6301-009		Vac Vent and Air sys- Final dsn	10		04NOV08*	17NOV08	17NOV08	285		0.00	11,859.60	0.00						
6301-010		Vac Vent and Air sys- FDR	1	R	18NOV08*	18NOV08	18NOV08	285		0.00	1,324.00	0.00						
6301-013		Vac Vent and Air sys- Procure hardware and compo	60		19NOV08	23FEB09	23FEB09	285		0.00	37,396.80	0.00						
6301-017		Vac Vent and Air sys- Fabricate and Install	40		01MAY09*	26JUN09	26JUN09	237		0.00	29,862.12	0.00						
6301-020		Vac Vent and Air sys-Test	10		29JUN09*	13JUL09	13JUL09	237		0.00	4,622.40	0.00						
<b>64 - PFC/VV Heating &amp; Cooling (Bakeout)</b>																		
<b>Job: 6401 - PFC/VV Htng/Cooling(bakeout)- KALISH</b>																		
6401-000		Bakeout Sys- Requirements Definition	40		06APR09*	01JUN09	01JUN09	93		0.00	15,296.80	0.00						
6401-001		Bakeout Sys-Preliminary Design	40		02JUN09*	28JUL09	28JUL09	93		0.00	43,874.32	0.00						
6401-002		Bakeout Sys-PDR	1	R	29JUL09*	29JUL09	29JUL09	93		0.00	1,529.68	0.00						
6401-004		Bakeout Sys- EA Analysis	30		30JUL09	10SEP09	10SEP09	93		0.00	30,593.60	0.00						
6401-005		Bakeout Sys-Final Design	40		11SEP09*	05NOV09	05NOV09	93		0.00	44,844.12	0.00						
6401-009		Bakeout Sys-FDR	1	R	06NOV09*	06NOV09	06NOV09	93		0.00	1,581.68	0.00						
6401-010		Bakeout Sys-Procure Piping & Equipt	65		09NOV09*	19FEB10	19FEB10	93		0.00	236,552.08	0.00						
6401-013		Assemble & Install	65		22FEB10*	21MAY10	21MAY10	93		0.00	169,667.40	0.00						
6401-017		Bakeout Sys- ACC Review	10		24MAY10*	07JUN10	07JUN10	93		0.00	11,318.80	0.00						
6401-020		Bakeout Sys-PTP Testing	10		08JUN10*	21JUN10	21JUN10	93		0.00	18,139.60	0.00						
<b>73 - Platform Design &amp; Fabrication</b>																		
<b>Job: 7301 - Platform Design &amp; Fab-PERRY</b>																		
711A.040		Platform nut plates	30		02OCT08	12NOV08	12NOV08	16		2,614.89	3,045.13	1,507.06						
712.020		Platform Parts	30		02OCT08	12NOV08	12NOV08	16		0.00	34,225.00	0.00						
712.030		Miscs Hardware/Material	40		18SEP08	12NOV08	12NOV08	16		0.00	22,031.60	0.00						
7301-100		Survey & layout locations for platform posts	10		30OCT08	12NOV08	12NOV08	16		0.00	25,252.80	0.00						

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY								
													FY08	FY09	FY10	FY11					
7301-102		Machine platform trial assembly & fitup	30		13NOV08*	06JAN09	06JAN09	16		0.00	119,740.80	0.00									
<b>74 - Machine Assembly Planning and Oversight</b>																					
<b>Job: 7401 - TC Prep &amp; Mach Assy Planning-PERRY</b>																					
<b>Oversight and Supervision</b>																					
1802ORNLF		ORNL Title III final machine assy	518*		29JAN09	25FEB11	03JAN11	-39	LOE	0.00	382,288.89	0.00									
714.030		LOE Start of assy through thru completion	518*	LOE	29JAN09	25FEB11	03JAN11	-39	LOE	0.00	1,027,819.36	0.00									
714.031		Additional supervision for 2nd shift	217*	2	29APR10	25FEB11	03JAN11	-39	LOE	0.00	261,690.11	0.00									
<b>75 - Test Cell and Basement Assembly Operations</b>																					
<b>Job: 7501 - Construction Support Crew-PERRY</b>																					
<b>General Assy Support</b>																					
7501-06		Construction Support Crew for 2nd shift	217*	2	29APR10	25FEB11	03JAN11	-39	LOE	0.00	448,253.51	0.00									
7501-05		Construction Support Crew during machine assy	543*		26JAN09	25FEB11	03JAN11	-39	LOE	0.00	963,808.52	0.00									
<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	0.00									
7501-10.1		Fab struct to go between assy sleds&FPA's	20	1	04DEC08	09JAN09	09JAN09	23		0.00	239,444.80	0.00									
7501-10.2		Assemble 3 FPA support stands	15	1	02DEC08*	22DEC08	04DEC08	0		0.00	63,842.40	0.00									
7501-10.3		Assemble 3 VV spool piece support stands	10	1	23DEC08	14JAN09	18DEC08	0		0.00	42,561.60	0.00									
7501-10.4		Assemble machine base structure	10	1	15JAN09	28JAN09	12JAN09	0		0.00	42,561.60	0.00									
7501-10.4M	2	Complete Base Support Structure Assembly	0	1		28JAN09	12JAN09	0		0.00	0.00	0.00									
7501-10.5		Assemble 3 FPA installation carts	10	1	29JAN09	11FEB09	26JAN09	0		0.00	42,561.60	0.00									
7501-10.6		Fab 3 laser support poles	30	1	20NOV08*	13JAN09	13JAN09	70		0.00	73,108.80	0.00									
7501-10.7		Fab 3 concrete blocks for testing assy struct	12	1	14JAN09	29JAN09	29JAN09	70		0.00	44,288.32	0.00									
7503-010		Begin Assembly Activities	0	1	26JAN09*			3		0.00	0.00	0.00									
7503-020		Install Permanent support base and columns	10	1	29JAN09	11FEB09	06FEB09	0		0.00	67,371.00	0.00									
7503-015		Install Temp Assembly Structure	15	1	12FEB09	04MAR09	27FEB09	0		0.00	95,763.60	0.00									
7503-060		Install Lower PF 4,5&6 into prelim position	1	1	05MAR09	05MAR09	02MAR09	0		0.00	4,814.40	0.00									
7503-070		Install 3 Spool Pieces on fixt & test movement	10	1	06MAR09	19MAR09	16MAR09	0		0.00	51,510.80	0.00									
7501-10.9		Install test cell metrology site monuments & chk	20	1	20MAR09	16APR09	13APR09	0		0.00	85,123.20	0.00									
7501-10.10		Test TC floor deflections with concrete block	15	1	17APR09	07MAY09	04MAY09	0		0.00	73,737.60	0.00									
7501-10.8		Exercise assy struc with concrete blocks & metro	20	2	08MAY09	05JUN09	02JUN09	0		0.00	109,528.00	0.00									

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY					
													FY08	FY09	FY10	FY11		
7503-080A		FPA-1 Installation and assembly test	20	1	03AUG09	28AUG09	30JUN09	-39		0.00	135,915.20	0.00						
7503-080		FPA-1 Installed on sleds	0	1		28AUG09	30JUN09	-39		0.00	0.00	0.00						
7501-11		Exercise assy struc w/FPA-1 before start of assy	40	1	31AUG09	26OCT09	26AUG09	-39		0.00	137,992.76	0.00						
7503-415.7		Measure vsI gaps to determ spool piece dimension	18	1	27OCT09	19NOV09	22SEP09	-39		0.00	81,495.36	0.00						
7503-415.0		Spool piece installation test	20	1	20NOV09	21DEC09	20OCT09	-39		0.00	140,532.00	0.00						
7503-416.1		Machine Flange A & B of Spool Piece 1	30	1	22DEC09	11FEB10	03DEC09	-39		0.00	44,329.04	0.00						
7503-416.2		Machine Flange A & B of Spool Piece 2	30	1	12FEB10	25MAR10	26JAN10	-39		0.00	44,329.04	0.00						
7503-416.3		Machine Flange A & B of Spool Piece 3	30	1	26MAR10	06MAY10	09MAR10	-39		0.00	44,329.04	0.00						
7503-110A		FPA-2 Installation and assembly test	20	1	17NOV09	16DEC09	02NOV09	-21		0.00	140,532.00	0.00						
7503-110		FPA-2 Installed on sleds	0	1		16DEC09	02NOV09	-21		0.00	0.00	0.00						
7503-150A		FPA-3 Installation and assembly test	20	1	22JAN10	18FEB10	15DEC09	-39		0.00	140,532.00	0.00						
7503-150	2	FPA-3 Installed on sleds	0	1		18FEB10	15DEC09	-39		0.00	0.00	0.00						
7503-120		Test movement of FPA's incl position checks.	5	1	19FEB10	25FEB10	22DEC09	-39		0.00	26,630.20	0.00						
7503-400		Install inboard and outboard shims	6	1	26FEB10	05MAR10	11JAN10	-39		0.00	95,147.05	0.00						
7503-402		Move all FPA's together, chk fitup,tack shims	6	1	08MAR10	15MAR10	19JAN10	-39		0.00	46,323.37	0.00						
7503-404		Weld inboard shims on mating flanges	6	1	16MAR10	23MAR10	27JAN10	-39		0.00	43,595.05	0.00						
7503-406		Install TF coils at ends of each FPA	6	1	24MAR10	31MAR10	04FEB10	-39		0.00	27,211.20	0.00						
7503-410		Install spacer supports and spacers	2	1	01APR10	02APR10	08FEB10	-39		0.00	7,706.24	0.00						
7503-412		Move FPA's & spacers together/chk fitup	6	1	05APR10	12APR10	16FEB10	-39		0.00	25,847.04	0.00						
7503-412M	2	Move FPA's & spacers together/chk fitup complete	0	1		12APR10	16FEB10	-39		0.00	0.00	0.00						
7503-414		Remove Spacers & Machine spacers to fit	4	1	13APR10	16APR10	22FEB10	-39		0.00	5,456.64	0.00						
7503-415		Re-install spacers	2	1	19APR10	20APR10	24FEB10	-39		0.00	7,706.24	0.00						
7503-160		Position all FPA's / Spool Pieces @ MC Interface	6	1	21APR10	28APR10	04MAR10	-39		0.00	31,956.24	0.00						
7503-090		Install local Platforms around FPA-1	2	2	29APR10	30APR10	08MAR10	-39		0.00	15,412.48	0.00						
7503-130		Install local Platforms around FPA-2	2	2	03MAY10	04MAY10	10MAR10	-39		0.00	15,412.48	0.00						
7503-190		Install local Platforms around FPA-3	2	2	05MAY10	06MAY10	12MAR10	-39		0.00	15,412.48	0.00						
7503-415.5		MC Interface: meas holes/mark bushings f/drilling	3	1	29APR10	03MAY10	09MAR10	-39		0.00	11,559.36	0.00						
7503-415.6		drill eccentric custom holes in bushings	3	1	04MAY10	06MAY10	12MAR10	-39		0.00	20,151.36	0.00						
7503-416		Position Spool pieces and Bolt MC flanges	9	2	07MAY10	19MAY10	25MAR10	-39		0.00	39,640.85	0.00						
7503-417		Retorque all super nuts after 30 days	6	2	21JUN10	28JUN10	03MAY10	-39		0.00	79,281.70	0.00						
7503-418		Raise permanent supports to take machine loads	8	2	20MAY10	01JUN10	06APR10	-36		0.00	114,363.36	0.00						
7503-419		Remove temporary assy structure	1	2	02JUN10	02JUN10	07APR10	-36		0.00	11,559.36	0.00						
7503-419.1		Install/Level FPA's and spool piece supports	15	2	03JUN10	23JUN10	28APR10	-36		0.00	159,781.20	0.00						
7503-419.2		FPA Metrology checks to assure alignment	3	2	29JUN10	01JUL10	06MAY10	-39		0.00	14,729.20	0.00						
7503-420		Mate-up and Weld spacers onto vvsa	15	2	02JUL10	23JUL10	27MAY10	-39		0.00	171,865.20	0.00						

Activity ID	MILE-STONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
7503-422		Weld all six port 4's in place	15	2	26JUL10	13AUG10	18JUN10	-39		0.00	91,810.80	0.00				
7503-422.1		Install E-Beam mapping & diag equipt	5	2	16AUG10	20AUG10	25JUN10	-39		0.00	45,376.40	0.00				
7503-240		Install Vacuum pumping system	3	2	16AUG10	18AUG10	23JUN10	-37		0.00	19,265.60	0.00				
7503-250	2	Begin Vac Vsl Pumpdown	0	2		20AUG10	25JUN10	-39		0.00	0.00	0.00				
PUMP DOWN OF VACUUM VESSEL DOE LEVEL 2 MILESTONE																
7503-260		PTP Pumpdown & leak check VV	8	2	23AUG10	01SEP10	08JUL10	-39		0.00	57,796.80	0.00				
7503-424		Install TF alignment & traction ring	4	2	02SEP10	08SEP10	14JUL10	-39		0.00	40,467.27	0.00				
7503-426		Pull TF coil radially inward. Verify nose fit up	5	2	09SEP10	15SEP10	21JUL10	-39		0.00	40,467.27	0.00				
7503-428		Lock TF coils at four support locations	4	2	16SEP10	21SEP10	27JUL10	-39		0.00	40,467.27	0.00				
7503-430		Install MC structure insulation boots port 4's	5	2	22SEP10	28SEP10	03AUG10	-39		0.00	38,531.20	0.00				
7503-431		Seal gaps MC shims,cooling tubes, for insul pour	10	2	29SEP10	12OCT10	17AUG10	-39		0.00	79,159.04	0.00				
7503-432		Fill MC/VVSA annulus with pourable aerogel insul	1	2	13OCT10	13OCT10	18AUG10	-39		0.00	7,968.32	0.00				
7503-433.1		Install LN2 manifolds	5	2	14OCT10	20OCT10	25AUG10	-23		0.00	39,841.60	0.00				
7503-434		Instl in-cryostat cabling for elect pwr to coils	8	2	14OCT10	25OCT10	30AUG10	-39		0.00	53,947.20	0.00				
7503-436		Connect cabling, and I&C to MC & TF Coils	8	2	26OCT10	04NOV10	10SEP10	-39		0.00	53,947.20	0.00				
7503-439		Complete mag diag & machine I&C	5	2	05NOV10	11NOV10	17SEP10	-39		0.00	51,472.00	0.00				
7503-438		Align guide mechanism for solenoid installation	1	2	12NOV10	12NOV10	20SEP10	-39		0.00	7,819.94	0.00				
7503-444		Install solenoid support structure	1	2	15NOV10	15NOV10	21SEP10	-39		0.00	7,148.43	0.00				
7503-440		Install solenoid assembly	1	2	16NOV10	16NOV10	22SEP10	-39		0.00	7,148.43	0.00				
7503-442		Connect cabling, LN2 and I&C to solenoid assy	1	2	17NOV10	17NOV10	23SEP10	-39		0.00	3,984.16	0.00				
7503-446		Install PF4L	1	2	18NOV10	18NOV10	24SEP10	-39		0.00	3,984.16	0.00				
7503-448		Connect cabling, LN2 and I&C to PF4L	1	2	19NOV10	19NOV10	27SEP10	-39		0.00	3,984.16	0.00				
7503-450		Adjust spring compression in solenoid sprt struc	1	2	22NOV10	22NOV10	28SEP10	-39		0.00	3,984.16	0.00				
7503-451		Raise lower PF 5&6 coils into final position	3	2	23NOV10	29NOV10	01OCT10	-39		0.00	28,811.28	0.00				
7503-452		Instl Upper PF 4, 5 & 6	3	2	30NOV10	02DEC10	06OCT10	-39		0.00	28,811.28	0.00				
7503-330	2	Begin Cryostat Installation	0	2		02DEC10	06OCT10	-39		0.00	0.00	0.00				
BEGIN CRYOSTAT INSTALLATION DOE LEVEL 2 MILESTONE																
7503-454		Install cryostat base, vapor barrier port boots	5	2	03DEC10	09DEC10	13OCT10	-39		0.00	39,841.60	0.00				
7503-456		Install elec pwr, LN2, & instr feedthrus	3	2	10DEC10	14DEC10	18OCT10	-39		0.00	19,920.80	0.00				
7503-458		Integrated Electrical testing	5	2	15DEC10	21DEC10	25OCT10	-39		0.00	53,997.60	0.00				
7503-458M	2	Complete Power System Pre-ops Tests	0	2		21DEC10	25OCT10	-39		0.00	0.00	0.00				
7503-460		Instl transition box,cabling,&connect to pwr sup	5	2	22DEC10	05JAN11	01NOV10	-5		0.00	39,841.60	0.00				
7503-462		LN2 connections from coils to manifolds	5	2	22DEC10	05JAN11	01NOV10	-31		0.00	39,841.60	0.00				
7503-464		Connect coil & VV instrumentation	5	2	22DEC10	05JAN11	01NOV10	-39		0.00	39,841.60	0.00				
7503-466		Connect 150C bakeout	3	2	06JAN11	10JAN11	04NOV10	-39		0.00	19,920.80	0.00				
7503-470		Install cryostat cooling syst & instrumentation	10	2	18JAN11	31JAN11	29NOV10	-39		0.00	159,366.40	0.00				
7503-471		Install cryostat upper section, VB & port boots	5	2	01FEB11	07FEB11	06DEC10	-39		0.00	39,841.60	0.00				

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY								
													FY08	FY09	FY10	FY11					
7503-472		Install midplane cryostat sections & port boots	8	2	08FEB11	17FEB11	16DEC10	-39		0.00	59,762.40	0.00							EM//SM =120hr ; EM//TB =480hr ;		
7503-473		Install cryostat circulation duct	3	2	18FEB11	22FEB11	21DEC10	-39		0.00	19,920.80	0.00							EM//SM =40hr ; EM//TB =160hr ;		
730.8200		PTP and Cool down	3	2	23FEB11	25FEB11	03JAN11	-39		0.00	68,103.20	0.00							EM//EM =80hr ; EM//SM =80hr ; EM//TB =480hr ;		
730.8200M	2	Cooldown of Machine	0	2		25FEB11	03JAN11	-39		0.00	0.00	0.00									
<b>76 - Tooling Design &amp; Fabrication</b>																					
<b>Job: 7601 - Tooling Design &amp; Fabrication-PERRY</b>																					
713.020		Lab Fab/Assy/Installation	348		26JAN09*	15JUN10	15JUN10	154		0.00	31,010.80	0.00							EM//EM =80 EM//TB =140		
713.030		Tooling,assy fixtures,misc equipt	348		26JAN09*	15JUN10	15JUN10	154		0.00	84,863.97	0.00							41=60\$k ;		
713.040		General procurements	348		26JAN09*	15JUN10	15JUN10	154		0.00	63,647.97	0.00							41=45\$k ;		
713.050		Welding tools, materials & equipt	348		26JAN09*	15JUN10	15JUN10	154		0.00	113,151.95	0.00							41=80\$k ;		
713.060		Torque wrenches and multipliers	348		26JAN09*	15JUN10	15JUN10	154		0.00	119,883.90	0.00							41=80\$k ; E		
<b>81 - Project Management and Control</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	0.00							R//RM3 =20hr ;		
810.005		Project Management Office PPPL FY07 (LOE)	106*		01MAY07A	28SEP07A	28SEP07		LOE	273,667.61	273,667.61	0.00							Hutch =.85 fte rate ; Strykowski =.85 fte rate B//CB =.4 fte rate ; 35=35\$k ; 41=04\$k ; deputy proj cntrl=.25fte rate		
810.900		Project Management Office PPPL FY08 (LOE)	250*		01OCT07A	30SEP08	30SEP08	999	LOE	95,143.87	1,034,172.58	0.00							Hutch =.50 fte rate ; Strykowski =.85f Pam =.8 fte rate ; 35=105\$k ; 41=105\$k ; Proj mgr=.75 fte rate, deputy p&c=.5fte Constr Mgr=.5fte		
810.901		Project Management Office PPPL FY09 (SA LOE)	249*		01OCT08*	30SEP09	30SEP09	423	LOE	0.00	1,157,648.04	0.00							Hutch =.50 fte rate ; St Pam =.8 fte rate ; 35=1 41=105\$k ; proj mgr=1.0 fte rate, d constr mgr=.5 fte		
810.909		Project Management Office PPPL FY10 (LOE)	248		01OCT09	30SEP10	30SEP10	423	LOE	0.00	1,074,462.05	0.00							Hutch = 35=065 41=085 proj mgr constr m		
810.910		Project Management Office PPPL FY11 (LOE)	79*		01OCT10	31JAN11	31JAN11	423	LOE	0.00	299,398.44	0.00							Hutch =.25 fte ; Strykowski=.85 fte 35=045\$k ; Pam =.5 fte 41=035\$k ; proj mgr=1.0 fte rate, deputy p&c=.5fte rate		
<b>Job: 8102 - NCSX MIE Management ORNL-LYON</b>																					
810.104X		Project Management Office ORNL FY07(LOE)	106*		01MAY07A	28SEP07A	28SEP07		LOE	60,420.00	60,420.00	0.00							ORNL81 =60\$ ;		
810.105X		Project Management Office ORNL FY08 (LOE)	249*		01OCT07A	29SEP08	29SEP08	1,000	LOE	14,628.00	159,000.00	523.16							ORNL81 =\$159k		
810.105Z		Project Management Office ORNL FY09 (LOE)	249		02OCT08*	01OCT09	01OCT09	423	LOE	0.00	160,000.00	0.00							ORNL81 =\$160k		
810.106X		Project Management Office ORNL FY10 (SA LOE)	247		02OCT09	30SEP10	30SEP10	423	LOE	0.00	101,000.00	0.00							ORNL81 =\$101k		
810.106Z		Project Management Office ORNL FY11 (SA LOE)	79*		01OCT10	31JAN11	31JAN11	423	LOE	0.00	18,960.00	0.00							ORNL81 =.24k.day		

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<b>82 - Project Engineering</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	0.00	EA/EM =170hr ;		
820.04X		Engr Management FY07 (LOE)	106*		01MAY07A	28SEP07A	25SEP07			LOE	143,565.52	143,565.52	0.00	reiersen=50% loe ; heitzenroeder=50% loe		
820.04Y		Engr management (SA LOE)	827*		01OCT07A	01FEB11	01FEB11	422		LOE	14,884.18	531,578.18	100.27	heizenroeder=50% loe ; reiersen=50% loe		
820.04Z		RLM (WBS 13,15,17) (SA LOE)	106*		01MAY07A	28SEP07A	28SEP07			LOE	20,210.68	20,210.68	0.00	reiersen=15% loe		
820.0004Z		RLM (WBS 13,15,17) (SA LOE)	747*		01OCT07A	30SEP10	30SEP10	502		LOE	3,548.47	114,466.70	24.06	heizenroeder=50% loe ; reiersen=15% loe		
820.004Z		Reqmnts mgt & design verification	106*		01MAY07A	28SEP07A	28SEP07			LOE	13,938.40	13,938.40	0.00	reiersen=80 hours		
820.00004Z		Reqmnts mgt & design verification	827*		01OCT07A	01FEB11	01FEB11	422		LOE	4,156.57	148,448.71	28.01	reiersen=80 hours ; reiersen=15% loe		
820-004Y		RLM (WBS 2,3 &6) (SA LOE)	747*		01OCT07A	30SEP10	30SEP10	502		LOE	4,607.12	148,616.69	31.24	Dudek=		
820.004X		RLM (fabrication) (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422		LOE	102,003.08	739,152.77	-194.89	Dudek=		
820.005		RLM (WBS 4 & 5) (SA LOE)	827*		01OCT07A	01FEB11	01FEB11	422		LOE	4,997.21	178,471.76	243.72	vor		
8205FY07		Systems Engineering Support document control	933*		01MAY07A	01FEB11	01FEB11	422		LOE	22,366.98	162,079.56	-42.73	sim		
8205FY08		Systems Engineering Support (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422		LOE	39,203.91	284,086.30	-74.91	sim ; suc		
<b>Job: 8203 - Design Integration-BROWN</b>																
8203FY07		Design Integration ,& metro support	933*		01MAY07A	01FEB11	01FEB11	422		LOE	135,328.62	980,642.23	-258.56	bro ; Mo		
8203FY08		CAD Support (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422		LOE	58,922.52	426,974.76	-112.58	Bro		
<b>Job: 8204 - Systems Analysis-BROOKS</b>																
8204FY07		Systems Analysis FY07 Analysis for structure dsn	106*		01MAY07A	28SEP07A	28SEP07			LOE	55,753.60	55,753.60	0.00	lan=320hrs		
8204FY08		Systems Analysis, studies and tech assurance	932*		01MAY07A	31JAN11	31JAN11	423		LOE	151,557.46	1,098,242.39	-452.48	Bro ; Far ; EA		
<b>Job: 8205 - Dimensional Control Coordin-ELLIS</b>																
METFY07R1	3	Dimensional control plans for station 2	116*		01JUN07A	13NOV07	31AUG07	-10	98		83,453.99	85,157.13	-1,703.14	EA/EM =480hr ;		
METDCP-3	3	Dimensional control plans for station 3	37*		09OCT07A	30NOV07	15OCT07	24	15		4,458.24	29,721.60	-25,263.36	EA/EM =160hr ;		
METDCP-5	3	Dimensional control plans for station 5	80		03DEC07	01APR08	15FEB08	79			0.00	59,443.20	-8,916.48	EA/EM =320hr ;		
METDCP-6	3	Dimensional control plans for station 6	80		02APR08	24JUL08	09JUN08	79			0.00	89,164.80	0.00	EA/EM =480hr ;		
METFY08R		Support FPA Station 2	292*		21DEC07	27FEB09	19FEB09	876		LOE	0.00	90,051.74	-1,657.40	ellis =240 hr ea/em=240hrs		
METFY08RX		Support FPA Station 3	357*		03MAR08	03AUG09	08JUN09	-39		LOE	0.00	90,688.96	0.00	ellis =240 hr ea/em=240hrs		
METFY09		Support FPA Station 5	258*		08JAN09	21JAN10	13NOV09	-39		LOE	0.00	61,759.60	0.00	ellis =160hr ea/em=240hrs		
METFY10		Support Final Machine Assy	518*		29JAN09	25FEB11	03JAN11	-39		LOE	0.00	94,475.06	0.00	ellis =160hr ea/em=240hrs		

Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	FY			
													FY08	FY09	FY10	FY11
<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	0.00				
ECP53RBX25		FY07 Rebaseline exercise	0*		01MAY07A	31MAY07A	31MAY07		LOE	9,765.00	9,765.00	0.00				
<b>Job: 8215 Plant Design</b>																
<b>FY07 Rebaseline Exercise</b>																
8210-07		Update plant model	19		01NOV07	29NOV07	28SEP07	1,207		0.00	16,024.40	-16,024.40				
8210-08		Plant Design FY08	826*		01OCT07A	31JAN11	31JAN11	423	LOE	2,960.13	105,719.02	16.39				
<b>85 - Integrated Systems Testing</b>																
<b>Job: 8501 - Integrated Systems Testing-GENTILE</b>																
<b>Startup Documentation</b>																
8501-105		ESHD-5008 Environ, Safety, and Health Manual	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00	0.00				
8501-109		100ESH-014 NEPA Review System	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00	0.00				
8501-113		ESH-016 Cntrl Haz Energy Sources Lockout Tagout	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00	0.00				
8501-117		ENG-030 PPPL Tech Procd for Exper Facilities	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00	0.00				
8501-121		100100ENG-032 PPPL Work Planning Procedure	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00	0.00				
8501-125		100ENG-033 PPPL Engineering Design Verification	0		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00	0.00				
8501-101		SAD NCSX Safety Assessment Document (SAD)	45		03NOV08*	15JAN09	15JAN09	185		0.00	48,236.80	0.00				
8501-129		NCSX-XX, Administrative Control of Procedures	30		24NOV08	15JAN09	15JAN09	184		0.00	24,118.40	0.00				
8501-133		OP-AD-39, Conduct of Operations	10		16JAN09	29JAN09	29JAN09	184		0.00	6,029.60	0.00				
8501-137		OP-AD-56, Cntrl Equip & Syst Status (chain of c	10		23JAN09	05FEB09	05FEB09	184		0.00	6,029.60	0.00				
8501-141		OP-AD-24, Cntrl Workplace Cleanliness D-Site Exp	10		30JAN09	12FEB09	12FEB09	184		0.00	6,029.60	0.00				
8501-145		OP-AD-31, D- Site Fire Watch Requirements	10		06FEB09	19FEB09	19FEB09	184		0.00	6,029.60	0.00				
8501-149		OP-AD-03, Experimental Proposals for NCSX	10		13FEB09	26FEB09	26FEB09	184		0.00	6,029.60	0.00				
8501-153		OP-AD-117 Operation of the NCSX Access System	10		20FEB09	05MAR09	05MAR09	184		0.00	6,029.60	0.00				
8501-157		NCSX-OP-XX, Prep of Exper Areas for Machine Ops	30		27FEB09	09APR09	09APR09	184		0.00	18,088.80	0.00				
8501-161		NCSX-OP-XX, Operation of the NCSX TVPS	30		20MAR09	30APR09	30APR09	184		0.00	18,088.80	0.00				
8501-165		NCSX-OP-XX, Testing NCSX HIS Safe for Access	30		10APR09	21MAY09	21MAY09	184		0.00	18,088.80	0.00				
8501-169		NCSX-OP-XX, Testing the NCSX Emergency Stop Syst	30		01MAY09	12JUN09	12JUN09	184		0.00	18,088.80	0.00				
8501-173		NCSX-OP-XX, NCSX Training Matrix	30		22MAY09	06JUL09	06JUL09	184		0.00	18,088.80	0.00				
8501-177		NCSX-OP-XX, NCSX Ops Guide -Startup and Shutdown	30		15JUN09	27JUL09	27JUL09	184		0.00	18,088.80	0.00				
8501-181		NCSX-OP-XX, HPP Daily Operations	20		14JUL09	10AUG09	10AUG09	184		0.00	12,059.20	0.00				
8501-185		NCSX-OP-XX, ACP & PDP Trip Control Settings	20		28JUL09	24AUG09	24AUG09	184		0.00	12,059.20	0.00				
8501-189		NCSX-OP-G-XX Preparation for NCSX pumpdown	30		11AUG09	22SEP09	22SEP09	184		0.00	18,088.80	0.00				
8501-193		NCSX-OP-XX Helium H/C System Operations Procedur	30		01SEP09	13OCT09	13OCT09	184		0.00	18,273.30	0.00				
8501-197		NCSX-OP-G-XX Daily Hi-Pot Test Vacuum Vessel	30		23SEP09	03NOV09	03NOV09	184		0.00	18,580.80	0.00				
8501-201		ISTP-NCSX-01 Coil EnergizationTests	40		14OCT09	10DEC09	10DEC09	184		0.00	24,938.40	0.00				
8501-205		OP-ECS-245 FCPC Daily Startup/Shutdown Procedure	20		25NOV09	05JAN10	05JAN10	184		0.00	12,469.20	0.00				
8501-209		NCSX-XX Leak Checking of NCSX	20		11DEC09	19JAN10	19JAN10	184		0.00	12,469.20	0.00				



Activity ID	MILESTONE	Activity Description	Duration (work days)	SHFT	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Sched Var (BCWP - BCWS)	Fiscal Year			
													FY08	FY09	FY10	FY11
920.000 Startup Personnel																
8501-102		Punch list & CSIS & HIS PTP's complete,	5	1	01OCT10*	07OCT10	07OCT10	5		0.00	0.00	0.00				
8501-103		PTP's complete for ECS,HCS,vac pmpg	5	1	08OCT10	14OCT10	14OCT10	5		0.00	0.00	0.00				
8501-104		ACC review and ORA	5	1	15OCT10	21OCT10	21OCT10	5		0.00	0.00	0.00				
730.1250	2	PSO Operational Readiness Assessment	0	1		21OCT10	21OCT10	5		0.00	0.00	0.00				
8501-301		Configure for Startup ISTP	5	1	22DEC10	05JAN11	01NOV10	-36		0.00	0.00	0.00				
8501-304	2	Begin Start-up Testing	0	1		10JAN11	04NOV10	-39		0.00	0.00	0.00				
8501-305		Coil Testing at room temp	5	1	11JAN11	17JAN11	11NOV10	-39		0.00	0.00	0.00				
8501-106		Coil testing @ cryo temp, Pump-down VV	5	1	28FEB11	04MAR11	10JAN11	-39		0.00	0.00	0.00				
8501-107		Combined field testing, Make 1st Plasma	5	1	07MAR11	11MAR11	17JAN11	-39		0.00	0.00	0.00				
8501-108		Vent VV, Config for & instl e-beam mapping	5	1	14MAR11	18MAR11	24JAN11	-39		0.00	0.00	0.00				
8501-306		E-beam mapping	5	1	21MAR11	25MAR11	31JAN11	-39		0.00	0.00	0.00				
8501-110	1	NCSX Startup Complete	0	1		25MAR11	31JAN11	-39		0.00	0.00	0.00				
730.9000	1	CD-4	0	1		23DEC11*	23DEC11*	0		0.00	0.00	0.00				
<b>99 - PPPL Allocations</b>																
<b>Job: 8998 - Allocations-STRYKOWSKY</b>																
99.07 PPPL Allocations FY07																
99.07		PPPL Allocations FY07	LOE	106*	01MAY07A	28SEP07A	28SEP07		LOE	144,040.90	144,040.90	0.00				
99.08		PPPL Allocations FY08	LOE	249*	01OCT07A	29SEP08	29SEP08	1,000	LOE	35,363.33	384,384.00	-142.02				
99.081		PPPL Allocations FY09	LOE	247*	01OCT08*	28SEP09	28SEP09	752	LOE	0.00	406,232.00	0.00				
99.09		PPPL Allocations FY10	SA LOE	248*	01OCT09*	30SEP10	30SEP10	502	LOE	0.00	430,800.00	0.00				
99.10		PPPL Allocations FY10		80*	01OCT10*	01FEB11	01FEB11	422	LOE	0.00	88,320.00	0.00				

