

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09				
cc 9450 - NCSX Fabrication (MIE)																						
<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		01NOV07A	30NOV07A	01MAY07A		100	0.00	0.00											
<b>VV Personnel Access Port &amp; Lateral sprts</b>																						
124-110		Issue req,Bid & Award VV NB port cover	25		01OCT09*	04NOV09	04NOV09	81		0.00	0.00											
124-120		Award VV NB port cover	0			04NOV09*	04NOV09*	81		0.00	0.00											
124-130		VV NB port cover Fabrication	40		05NOV09	13JAN10	13JAN10	81		0.00	83,786.32								41=58.51\$			
<b>VV Local I&amp;C</b>																						
1204-101		Drawings Signed -Local I&C	0			01MAY07A	01MAY07*		100	0.00	0.00											
1204-105		Issue req,Bid & Award -Local I&C	25		02MAY07A	06JUN07A	06JUN07		100	0.00	0.00											
1204-109		Award -Local I&C	0			06JUN07A	06JUN07		100	0.00	0.00											
1204-113		Deliver -Local I&C	40		07JUN07A	29JUN07A	02AUG07		100	34,400.96	34,400.96								=27\$			
<b>Thermal Insulation</b>																						
123-040		Issue req,Bid & Award insul boots	25		01OCT07A	31OCT07A	31MAR08		100	0.00	0.00											
123-045		Award Insulation Boots	0			30OCT07A	31MAR08*		100	0.00	0.00											
123-050		Fabricate& Deliver Insul Boots	68*		01OCT07A	15JAN08	02OCT08	239	50	36,460.50	72,921.00								41=50\$			
122-035		Issue req,Bid & Award Port Thermal Insulation	33*		15OCT07A	30NOV07A	01APR08		100	0.00	0.00											
122-041		Award Port Thermal Insulation	0			30NOV07A	01APR08*		100	0.00	0.00											
122-051		Deliver Port Thermal Insulation	42*		01NOV07A	10JAN08	28MAY08	192		0.00	32,700.00								41=20\$			
122-030		Issue req,Bid & Award Pourable Insulation	25		27AUG09	01OCT09	01OCT09	176		0.00	0.00											
122-036.9		Award Pourable Insulation	0			01OCT09*	01OCT09*	176		0.00	0.00											
122-037		Deliver Pourable Insulation	40		02OCT09	30NOV09	30NOV09	176		0.00	114,560.00								41=80\$			
<b>Heater Tape for Port Stub</b>																						
1204-121		Drawings Signed Heater Tape for port stubs	0			31JUL07A	04SEP07*		100	0.00	0.00											
1204-125		Issue req,Bid & Award -Heater Tape for port stub	33*		15OCT07A	30NOV07A	09OCT07		100	0.00	0.00											
1204-129		Award Heater Tape for port stubs	0			30NOV07A	09OCT07			0.00	0.00											
1204-130		Deliver Heater Tape for port stubs	8*		02JAN08	11JAN08	06DEC07	37		0.00	20,143.20								41=15\$			
<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											
1204-149		Award T/C and Heater Tape Leads	0			01JUN07A	03OCT07		100	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								=28.25\$			

Run Date 23JAN08 14:30

Forecast  
 zProposed Baseline  
 Progress Bar  
 Critical Activity

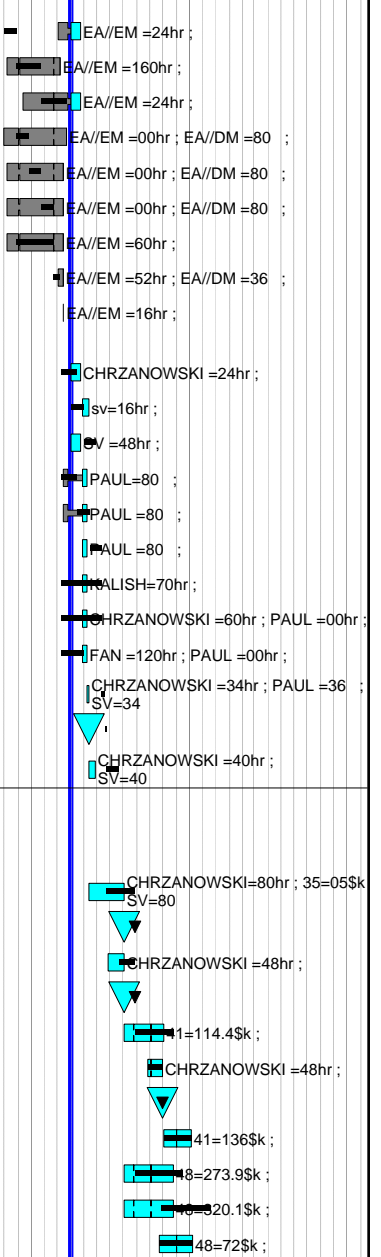
0712

NCSX Project  
Status through DECEMBER 2007

Sheet 1 of 56

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09				
<b>Spacer Flux Loops</b>																						
1204-173M		Material Delivery (desifn/fab in job 3101)	35		01JUN07A	29JUN07A	08AUG07		100	12,275.12	12,275.12											
<b>Job: 1250 - Vacuum Vessel Fabrication**CLOSED**</b>																						
99.07W		Scrap value of Kirksite dies (minimum sale price)	22*		01MAY07A	31MAY07A	31MAY07A		100	-161,694.72	-161,694.72											
99.08W		Retroactive mxh exclusion adjustment	22*		01JUL07A	31JUL07A	31AUG07A		100	-90,000.00	-90,000.00											
<b>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	31OCT07A	18SEP08		LOE	110,300.62	110,300.62											
131-033B		Title III engr	219*		01NOV07A	18SEP08		1,007	LOE	16,366.23	102,288.97											
<b>TF Fabrication Contract</b>																						
1361C-101		Fab, Test & Deliver Coil #1	51*		01JUN07A	13AUG07A	20JUL07		100	27,210.00	27,210.00											
1361C-102		Fab, Test & Deliver Coil #2	61*		01JUN07A	27AUG07A	03AUG07		100	43,590.00	43,590.00											
1361C-103		Fab, Test & Deliver Coil #3	86*		02JUL07A	05OCT07A	31AUG07		100	47,210.00	47,210.00											
1361C-104		Fab, Test & Deliver Coil #4	57*		01AUG07A	19OCT07A	28SEP07		100	47,210.00	47,210.00											
1361C-104M	2	** DELIVER TF COILS FOR FPA #1 ASSY **	0			19OCT07A	28SEP07			0.00	0.00											
1361C-105		Fab, Test & Deliver Coil #5	85*		01AUG07A	20NOV07A	26OCT07		100	47,210.00	47,210.00											
1361C-106	3	Fab, Test & Deliver Coil #6	48*		15OCT07A	14DEC07A	23NOV07		100	47,210.00	47,210.00											
1361C-107		Fab, Test & Deliver Coil #7	54*		15OCT07A	09JAN08	21DEC07	403	95	44,849.50	47,210.00											
1361C-108		Fab, Test & Deliver Coil #8	1*		25JAN08A	25JAN08	18JAN08	336	60	28,326.00	47,210.00											
1361C-109		Fab, Test & Deliver Coil #9	1		18FEB08*	18FEB08	12FEB08	336		0.00	47,210.00											
1361C-110		Fab, Test & Deliver Coil #10	1		11MAR08*	11MAR08	06MAR08	336		0.00	47,210.00											
1361C-111		Fab, Test & Deliver Coil #11	1		02APR08*	02APR08	31MAR08	336		0.00	47,210.00											
1361C-112		Fab, Test & Deliver Coil #12	1		24APR08*	24APR08	23APR08	336		0.00	47,210.00											
1361C-113		Fab, Test & Deliver Coil #13	1		16MAY08*	16MAY08	16MAY08	351		0.00	47,210.00											
1361C-114		Fab, Test & Deliver Coil #14	1		10JUN08*	10JUN08	10JUN08	351		0.00	47,210.00											
1361C-115		Fab, Test & Deliver Coil #15	1		03JUL08*	03JUL08	03JUL08	350		0.00	47,220.00											
1361C-116		Fab, Test & Deliver Coil #16	1		28JUL08*	28JUL08	28JUL08	350		0.00	47,220.00											
1361C-117		Fab, Test & Deliver Coil #17	1		20AUG08*	20AUG08	20AUG08	349		0.00	47,220.00											
1361C-118		Fab, Test & Deliver Coil #18	1		12SEP08*	12SEP08	12SEP08	349		0.00	47,220.00											
1351-195X	3	ALL TF COILS DELIVERED	0			12SEP08	18SEP08	349		0.00	0.00											
<b>FY07 Rebaseline Exercise</b>																						
ECP53RBX03		FY07 Rebaseline exercise	22*		01MAY07A	31MAY07A	31MAY07A		100	1,393.84	1,393.84											
99.07X		Retroactive MHX exclusion	22*		01MAY07A	31MAY07A	31MAY07A		100	-38,281.20	-38,281.20											

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09		
<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									
1302-200		Complete PF Coil SRD	33*		03DEC07A	25JAN08	28AUG07	32	50	2,229.12	4,458.24									
1302-205		Update PF Analysis	97*		06AUG07A	07DEC07A	24OCT07		100	28,894.62	28,894.62									
1302-210		Update PF Coil SDD	89*		12SEP07A	25JAN08	21DEC07	43	50	2,208.91	4,417.82									
1302-211		Complete PF4 PDR Model	102*		30JUL07A	21DEC07A	26SEP07		100	14,462.90	14,462.90									
1302-212		Complete PF5 PDR Model	96*		07AUG07A	14DEC07A	24OCT07		100	14,475.62	14,475.62									
1302-213		Complete PF6 PDR Model	96*		07AUG07A	14DEC07A	21NOV07		100	14,475.62	14,475.62									
1302-251		PDR Level Design Support	114*		07AUG07A	14DEC07A	23NOV07		100	10,856.72	10,856.72									
1302-220		Prepare for PDR	8		05DEC07A	14DEC07A	07DEC07		100	16,346.88	16,346.88									
1302-225	3	PF Coils - PDR	1	R	14DEC07A	14DEC07A	11DEC07		100	2,972.16	2,972.16									
1302-240		Disposition PDR Chits	18*		02JAN08A	25JAN08	17JAN08	40	20	891.65	4,458.24									
1302-214		Prepare,Review & Approve conductor spec	11		28JAN08	11FEB08	29JAN08	32		0.00	2,972.16									
1302-216		Prepare,Review & Approve coil spec	16		02JAN08	23JAN08	26FEB08	45		0.00	8,916.48									
1302-235		Detail Drawings PF4	10		14DEC07A	08FEB08	17JAN08	33	5	743.04	14,860.80									
1302-245		Detail Drawings PF5	10		14DEC07A	08FEB08	14FEB08	33	5	743.04	14,860.80									
1302-260		Detail Drawings PF6	10		28JAN08	08FEB08	13MAR08	33	5	743.04	14,860.80									
1302-250		Analysis Support	10		28JAN08	08FEB08	13MAR08	33		0.00	13,003.20									
1302-217		Drawing Support	10		28JAN08	08FEB08	13MAR08	33		0.00	11,145.60									
1302-218		PF Stress Analysis with leads	10		28JAN08*	08FEB08	31JAN08	33		0.00	22,291.20									
1302-265		Prepare for FDR	3		07FEB08*	11FEB08	20MAR08	32		0.00	19,319.04									
1302-270	3	PF Coils - FDR	0	R		11FEB08	24MAR08	32		0.00	0.00									
1302-275		Resolve FDR Chits	10		12FEB08	25FEB08	21APR08	150		0.00	14,860.80									
<b>Job: 1352 - PF Coil Procurement-CHRZANOWSKI</b>																				
<b>PF Coil Fabrication</b>																				
141-035		Bid & Award PF Coil Fabrication	58		12FEB08	01MAY08	27MAY08	32		0.00	35,811.60									
141-036	2	PF Coils Awarded	0			01MAY08	27MAY08	32		0.00	0.00									
141-037		Bid & Award Conductor	25		28MAR08	01MAY08	27MAY08	102		0.00	8,916.48									
141-038	3	PF Conductor Awarded	0			01MAY08*	27MAY08*	102		0.00	0.00									
141-038.1		PF Conductor Delivery	65		02MAY08	04AUG08	27AUG08	102		0.00	149,635.20									
141-039		Bid & Award Materials	25		27JUN08	01AUG08	01AUG08	58		0.00	8,916.48									
141-040		PF Materials Awarded	0			01AUG08*	01AUG08*	58		0.00	0.00									
1352-100		Materials Delivery PF 4,5,6	45		04AUG08	06OCT08	06OCT08	58		0.00	178,529.66									
1352-121		Design/Fab Tooling for PF 5	80		02MAY08	25AUG08	18SEP08	32		0.00	280,747.50									
1352-122		Design/Fab Tooling for PF 6	80		02MAY08	25AUG08	17NOV08	77		0.00	328,102.50									
1352-120		Tooling for PF 4	55		25JUL08*	10OCT08	10OCT08	54		0.00	74,072.29									



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Gantt Chart (FY07, FY08, FY09)											
												FY07	FY08					FY09					
1352-150		Fabricate/Dlvr PF 4 lower	35		13OCT08	02DEC08	02DEC08	54		0.00	21,125.10							■ 48=20.1 ;					
1352-151		Fabricate/Dlvr PF 4 upper	45		03DEC08	12FEB09	12FEB09	405		0.00	21,125.10							■ 48=20.1 ;					
1352-165		Fabricate/Dlvr PF 5 Lower	45		26AUG08	28OCT08	20NOV08	32		0.00	73,128.99							■ 48=70.55 ;					
1352-145		Fabricate/Dlvr PF 6 Lower	45		29OCT08	12JAN09	04FEB09	32		0.00	86,654.95							■ 48=82.45 ;					
1352-166		Fabricate/Dlvr PF 5 Upper	35		13JAN09	02MAR09	25MAR09	358		0.00	74,148.05							■ 48=70.55 ;					
1352-146		Fabricate/Dlvr PF 6 Upper	35		03MAR09	20APR09	13MAY09	358		0.00	86,654.95							■ 48=82.45 ;					
141-031		Title III engr WBS 132	241		02MAY08	21APR09	14MAY09	863	LOE	0.00	148,047.04							■ CHRZANOWSKI=392					
141-900		PF4 Lower Inspection & Test	5		03DEC08	09DEC08	09DEC08	54		0.00	3,561.30							■ CHRZANOWSKI=1					
141-900A		PF4 Upper Inspection & Test	5		13FEB09	19FEB09	19FEB09	405		0.00	3,561.30							■ CHRZANOWSKI=10hr					
141-901		PF5 Lower Inspection & Test	5		29OCT08	04NOV08	01DEC08	77		0.00	3,561.30							■ CHRZANOWSKI=10hr					
141-902		PF6 Lower Inspection & Test	5		13JAN09	19JAN09	11FEB09	32		0.00	3,561.30							■ CHRZANOWSKI=10hr					
141-905		PF5 Upper Inspection & Test	5		03MAR09	09MAR09	01APR09	393		0.00	3,561.30							■ CHRZANOWSKI=10hr					
141-906		PF6 Upper Inspection & Test	5		21APR09	27APR09	20MAY09	358		0.00	3,561.30							■ CHRZANOWSKI=10hr					
141-903		Refurbish PF 1a	20		18FEB10*	17MAR10	17MAR10	101		0.00	6,820.80							■ CHRZANOWSKI=10hr					
141-904		Assemble PF1a and CS structure	30		18MAR10	28APR10	28APR10	101		0.00	21,550.00							■ CHRZANOWSKI=10hr					
<b>Job: 1353 - CS Structure Procurement-DAHLGREN</b>																							
<b>CS Support Structure</b>																							
1353-001		Design PF1a upper to lower interconnect bus	12		15APR08*	30APR08	01JUN09	372		0.00	11,991.00							■ ea/sb=100					
1353-002		Engr & analysis of bus	14		01MAY08	20MAY08	29JUN09	372		0.00	14,860.80							■ dahlgren=80					
1353-003		Bid & Award PF1a bus	39		30JUN09*	24AUG09	01SEP09	107		0.00	0.00							■ 41=33.76					
1353-004		Award PF1a bus	0			24AUG09	01SEP09*	107		0.00	0.00							■ 41=33.76					
1353-005		Fab & Deliver PF1a bus	130		25AUG09	09MAR10	17MAR10	107		0.00	48,108.00							■ 41=172\$; 35=02\$					
163-035		Bid & Award CS Support Struct	40		08JUL09	01SEP09	01SEP09	101		0.00	0.00							■ EA/EM=70hr					
163-036.9		Award CS Support Structure	0			01SEP09*	01SEP09*	101		0.00	0.00							■ EA/EM=70hr					
163-037		CS Support Structure Procurement/Fab	130		02SEP09	17MAR10	17MAR10	101		0.00	247,857.24							■ EA/EM=70hr					
163-015		Title III design CS sprt struc	170*		08JUL09	17MAR10	17MAR10	101	LOE	0.00	13,679.11							■ EA/EM=70hr					
<b>Job: 1354 - Trim Coil Design &amp; Procurement-KALISH</b>																							
<b>Trim Coil **Updated estimate**</b>																							
TRIM-010		Peer Review of Requirements	1		01NOV07A	30NOV07A				1,486.08	1,486.08							■ kalish =08hr ;					
TRIM-020		Trim Coil System Requirements Document	12*		02JAN08A	17JAN08		0	10	445.82	4,458.24							■ kalish =24hr ;					
TRIM-030		Review and Approve SRD	5		18JAN08	24JAN08		51		0.00	0.00							■ brooks =60hr ;					
TRIM-040		Complete Trim Coil Magnetics Analysis	3*		18JAN08*	22JAN08		0	50	5,572.80	11,145.60							■ brooks =60hr ;					
TRIM-050		Complete Trim Coil Cooling Analysis	10		23JAN08A	05FEB08		0	25	2,786.40	11,145.60							■ RUSHINSKI =40hr ;					
TRIM-060		Modify PF Coil Structures	5		18JAN08	24JAN08		3		0.00	7,430.40							■ kalish =100hr ; RUSHINSKI=160hr ; CRUIKSHANK=160					
TRIM-070		Complete Layout of Trim Coils	58*		02JAN08A	21MAR08		17	25	19,504.80	78,019.20							■ kalish =100hr ; RUSHINSKI=160hr ; CRUIKSHANK=160					
TRIM-071		Complete Layout of Structure Interface	55		25JAN08	10APR08		3		0.00	78,019.20							■ DAHLGREN=120hr ; RUSHINSKI=160hr ; CRUIKSHANK=0					
TRIM-080		Stress Analysis of Coil and Structure	50		06FEB08*	15APR08		0		0.00	46,068.48							■ kalish =40hr ; RUSHINSKI=12hr ; CRUIKSHANK=12					
TRIM-090		Prepare for PDR	7		07APR08	15APR08		0		0.00	11,888.64							■ kalish =08hr ; RUSHINSKI=04hr ;					
TRIM-100		Trim Coil PDR	1		16APR08	16APR08		0		0.00	2,229.12							■ kalish =08hr ; RUSHINSKI=04hr ;					

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07												FY08												FY09											
TRIM-101	3	** Trim Coil PDR **	0			16APR08		0		0.00	0.00																																				
TRIM-110		Procure Trim Coil Insulation	50		17APR08	26JUN08		93		0.00	54,818.28													41=42\$K ;																							
TRIM-130		Prepare Conductor Procurement Spec	3		17APR08	21APR08		35		0.00	3,715.20													kalish =16hr ;RUSHINSKI =04hr ;																							
TRIM-140		Review and Approve Conductor Spec.	5		22APR08	28APR08		35		0.00	0.00																																				
TRIM-120		Procure Trim Coil Conductor	100		29APR08	18SEP08		35		0.00	25,571.40													41=20\$K ;																							
TRIM-170		Complete Trim Coil Detailed Drawings	15		17APR08	07MAY08		0		0.00	29,721.60													kalish =32hr ; RUSHINSKI =114hr ; CRUIKSHANK=14																							
TRIM-180		Fabricate Trim Coil MockUps	20		08MAY08	05JUN08		93		0.00	6,435.04													EM//TB =64hr ; 41=01\$K ;																							
TRIM-190		Use Mockup to Spot Bracket Locations	60		06JUN08	29AUG08		93		0.00	2,767.84													kalish =08hr ; EM//TB =16																							
TRIM-200		Complete Trim Coil Structure Detail Drawings	10		08MAY08	21MAY08		0		0.00	19,319.04													DAHLGREN =40hr ; RUSHINSKI =12hr ; CRUIKSHANK=0																							
TRIM-210		Prepare for FDR	7		22MAY08	02JUN08		0		0.00	11,888.64													kalish =40hr ; RUSHINSKI =12hr ; CRUIKSHANK=12																							
TRIM-220		Trim Coil + Structure FDR	1		03JUN08	03JUN08		0		0.00	2,229.12													kalish =08hr ; RUSHINSKI=04hr																							
TRIM-221	3	** Trim Coil + Structure FDR **	0			03JUN08		0		0.00	0.00																																				
TRIM-230		Resolve Chits	5		04JUN08	10JUN08		0		0.00	4,458.24													kalish =24hr ;																							
TRIM-150		Prepare Trim Coil Procurement Spec.	10		17APR08	30APR08		10		0.00	8,916.48													kalish =40hr ; RUSHINSKI =08hr																							
TRIM-160		Approve Procurement Spec	5		01MAY08	07MAY08		10		0.00	0.00																																				
TRIM-240		Trim Coil Procurement	25		11JUN08	16JUL08		0		0.00	17,832.96													kalish =80hr ;RUSHINSKI =1																							
TRIM-250		AWARD TRIM COIL PROCUREMENT	0			16JUL08		0		0.00	0.00																																				
TRIM-260		Vendor Design and Fixture Fabrication	80		17JUL08	06NOV08		0		0.00	402,414.78													41=300.75\$K ;																							
TRIM-270		Fabricate Trim Coils for FPA #1	45		07NOV08	21JAN09		0		0.00	144,031.38													41=42\$K ; 48=81.88\$K ;																							
TRIM-275		Fabricate Trim Coils for FPA #2	45		22JAN09	25MAR09		13		0.00	129,672.38													48=123.38\$K ;																							
TRIM-280		Fabricate Trim Coils for FPA #3	45		26MAR09	28MAY09		13		0.00	62,671.13													48=60\$K ;																							
TRIM-290		Procure Material for Structure	40		04JUN08	30JUL08		85		0.00	7,430.40													CHRZANOWSKI =40hr ;																							
TRIM-300		Fabricate Brackets for 1st FPA	30		31JUL08	11SEP08		85		0.00	113,835.72													CHRZANOWSKI =20hr ;																							
TRIM-303		Fabricate Brackets for 2nd FPA	30		12SEP08	23OCT08		161		0.00	116,254.98													CHRZANOWSKI =10hr																							
TRIM-306		Fabricate Brackets for 3rd FPA	30		24OCT08	08DEC08		161		0.00	119,525.53													CHRZANOWSKI =1																							
TRIM-310		Install TC Brackets on Modular Coils 1st FPA	1	2	12SEP08	12SEP08		85		0.00	38,683.77													EM//TB =411hr ; CHRZAN																							
TRIM-311		Install TC Brackets on Modular Coils 2nd FPA	1	2	24OCT08	24OCT08		182		0.00	39,818.57													EM//TB =411hr ; CHRZ																							
TRIM-312		Install TC Brackets on Modular Coils 3rd FPA	1	2	09DEC08	09DEC08		161		0.00	39,818.57													EM//TB =411hr ; CH																							
TRIM-320		Install Trim Coils On 1st FPA	1	2	22JAN09	22JAN09		0		0.00	64,721.49													EM//TB =237hr ; EM//TB =476hr ; CHRZANOWSKI =31hr ;																							
TRIM-330		Install Trim Coils On 2nd FPA	1	2	26MAR09	26MAR09		16		0.00	64,721.49													EM//TB =237hr ; EM//TB =476hr ; CHRZANOWSKI =31hr ;																							
TRIM-340		Install Trim Coils On 3rd FPA	1	2	29MAY09	29MAY09		13		0.00	64,721.49													EM//TB =237hr ; EM//TB =476hr ; CHRZANOWSKI =31hr ;																							
TRIM-399		Title III support & oversight	231		17JUL08	19JUN09		821		0.00	116,861.81													chrzanov												EM//TB =											
<b>Job: 1355 - WBS 13 I&amp;C Proc and Coil Assy-COLE</b>																																															
<b>TF/PF Local I&amp;C</b>																																															
1355-101		Design, and Review	60		01FEB08*	24APR08	24APR08	65		0.00	9,705.60													ornlem =60hr ;																							
1355-103		Prepare Installation Procedures	20		25APR08	22MAY08	22MAY08	65		0.00	3,235.20													ORNLEM =20hr ;																							
1355-105		TF/PF Local I&C - FDR	1	R	23MAY08	23MAY08	23MAY08	65		0.00	1,294.08													ORNLEM =08hr ;																							
1355-107		Prep req,bid,award T/C and wire	20		27MAY08	23JUN08	23JUN08	65		0.00	1,941.12													ORNLEM=12																							





Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09				
1408-4.0		Procure & Deliver Strain Gages	1		14JAN08*	14JAN08		54		0.00	0.00											
1408-4.1		Issue req for Strain Gages	65		15JAN08*	14APR08	11MAR08	54		0.00	49,704.00											
1408-5		Epoxy/glass for mold shell	164*		23MAY07A	23JAN08	23JAN08	75	LOE	15,131.69	16,775.71											
1408-6		VPI clean manifold contract	210*		23MAY07A	27MAR08	27MAR08	95	LOE	9,124.72	12,942.86											
1408-7		Misc tech shop support	250*		23MAY07A	22MAY08	22MAY08	88	LOE	29,675.55	50,127.62											
1408-8		Cutting hardware for flange bolts	250*		23MAY07A	22MAY08	22MAY08	1,089	LOE	2,302.55	3,889.44											
<b>Job: 1411 - MCWF Fabr. S005242-HEITZENROEDER</b>																						
99.09W		Retroactive mhx exclusion adjustment	213		01JUL07A	31JUL07A	31AUG07A		100	-90,000.00	-90,000.00											
MCWF-001		EIO Contract Accrued/cost to date =\$9,216,000k	213*		02OCT06A	30APR07A	30APR07A		100	0.00	0.00											
MCWF-002		EIO Contract TOTAL EAC =\$9,218,637k	213*		30APR07A	30APR07A	30APR07A		100	0.00	0.00											
MCWF-003		Contract closeout final cost increment	20		06JUN07A	06JUN07A			100	2,640.00	2,640.00											
MCWF-571		B6-MTM - machining/inspection	230*		06JUN06A	06JUN07A	06JUN07		100	0.00	0.00											
MCWF-581		B6-Receive at PPPL	0			07JUN07A	07JUN07		100	0.00	0.00											
MCWF-004		PPPL Oversight	28		01MAY07A	07JUN07A	08JUN07		100	6,969.20	6,969.20											
MCWF-301		C6-MTM - machining/inspection	313*		03APR06A	08MAY07A	08MAY07		100	0.00	0.00											
MCWF-311		C6-Receive at PPPL	0			09MAY07A	09MAY07		100	0.00	0.00											
<b>Job: 1451 - Mod Coil Winding-CHRZANOWSKI</b>																						
<b>Station 1a/4 Casting Prep</b>																						
P1-061		Receive A5, Prep& Instl Cladding	51*	2*	19APR07A	22MAY07A	22MAY07		100	47,982.05	47,982.05											
P2-031		Receive C6, Prep& Instl Cladding	44	1.5	02JUL07A	24SEP07A	26FEB08		100	47,906.90	47,906.90											
P3-061		Receive B5, Prep& Instl Cladding	40	1.5	25JUN07A	10SEP07A	21AUG07		100	47,906.90	47,906.90											
P1-151		Receive A6, Prep& Instl Cladding	68*	1.5	01NOV07A	15FEB08	25OCT07	-6	15	7,660.49	51,069.88											
P3-151		Receive B6, Prep& Instl Cladding	62*	1.5	01SEP07A	30NOV07A	03APR08		100	50,100.58	50,100.58											
<b>Station 2-Winding, Instl Chill Plates,Tubing,Bag</b>																						
P2-161		Wind coil B4	54*	2	16APR07A	12JUN07A	12JUN07		100	124,549.74	124,549.74											
P2-170		Instl Chill Plates,Tubing,Bag B4	31*	1	13JUN07A	26JUL07A	13JUL07		100	61,861.52	61,861.52											
P3-071		Wind coil B5	72*	1	11SEP07A	20DEC07A	10DEC07		100	131,151.95	131,151.95											
P3-080		Instl Chill Plates,Tubing,Bag B5	40	1	20DEC07A	26FEB08	18JAN08	69	38	25,059.55	65,946.16											
P3-161		Wind coil B6	68	1	01NOV07A	21MAR08	28MAY08	33	40	53,109.42	132,773.54											
P3-170		Instl Chill Plates,Tubing,Bag B6	40	1	24MAR08	16MAY08	27JUN08	33			65,946.16											
<b>Station 3-Winding, Instl Chill Plates,Tubing,Bag</b>																						
P2-080		Instl Chill Plates,Tubing,Bag B3	64*	2	01APR07A	09MAY07A	09MAY07		100	61,861.52	61,861.52											
P2-131		Wind coil A5	53*	1	23MAY07A	31JUL07A	07AUG07		100	124,549.74	124,549.74											
P2-140		Instl Chl Plates,Tubing, Bag A5	26	1	30JUL07A	06SEP07A	09OCT07		100	61,861.52	61,861.52											
P2-041		Wind coil C6	63*	1	24SEP07A	14DEC07A	18APR08		100	132,059.92	132,059.92											
P2-050		Instl Chl Plates,Tubing, Bag C6	43	1	17DEC07A	15FEB08	20MAY08	65	40	26,378.47	65,946.16											

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Gantt Chart											
												FY07	FY08				FY09						
P1-161		Wind coil A6	72	1	18FEB08	28MAR08	20DEC07	-6		0.00	132,773.54	EM/TB =774hr ; EM2/TB =774 ; EMT/TB =32 ;											
P1-170		Instl Chill Plates,Tubing,Bag A6	43	1	31MAR08	29MAY08	30JAN08	-6		0.00	65,946.16	EM/TB =392hr ; EM2/TB =392											
<b>Station 5-VPI</b>																							
P2-081V		VPI (Station 5) B3	11	2	10MAY07A	24MAY07A	24MAY07		100	44,840.62	44,840.62												
P3-081V		VPI (Station 5) B4	21	2	02JUL07A	31JUL07A	30JUL07		100	44,840.62	44,840.62	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	EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;											
P2-051V		VPI (Station 5) C6	11	2	18FEB08*	03MAR08	05JUN08	65		0.00	47,801.36	EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;											
P2-171V		VPI (Station 5) B5	13	2	04MAR08*	20MAR08	04FEB08	65		0.00	47,801.36	EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;											
P1-171V		VPI (Station 5) A6	11	2	30MAY08	13JUN08	15FEB08	-6		0.00	47,801.36	EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;											
P3-171V		VPI (Station 5) B6	11	2	16JUN08	30JUN08	15JUL08	14		0.00	47,801.36	EM/TB =276hr ; EM2/TB =277 ; EMT/TB =16 ;											
P3-171VM	2	COMPLETE VPI OF 18th MOD COIL	0	2		30JUN08	15JUL08	14		0.00	0.00												
<b>Station 1 Post VPI</b>																							
P3-141C		Final Clamps & Warm Test (Station1) A4	18*	1	25JUN07A	19JUL07A	26JUL07		100	24,415.54	24,415.54	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	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	EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;											
P1-081C		Final Clamps & Warm Test (Station1) A5	33*	1	15OCT07A	30NOV07A	22NOV07		100	26,027.60	26,027.60	EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;											
P2-051C		Final Clamps & Warm Test (Station1) C6	15	1	04MAR08	24MAR08	26JUN08	97		0.00	26,027.60	EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;											
P3-171C		Final Clamps & Warm Test (Station1) B5	15	1	21MAR08	10APR08	25FEB08	65		0.00	26,027.60	EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;											
P1-171C		Final Clamps & Warm Test (Station1) A6	15	1	16JUN08	07JUL08	07MAR08	-6		0.00	26,027.60	EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;											
P2-171C		Final Clamps & Warm Test (Station1) B6	15	1	01JUL08	22JUL08	05AUG08	14		0.00	26,027.60	EM/TB =140hr ; EM2/TB =139 ; EMT/TB =32 ;											
<b>LOE Oversight &amp; Supervision</b>																							
145XSPRV-1		Winding Engineering oversight and supervision	298*		01MAY07A	31OCT07A	09JUL08		LOE	223,362.54	223,362.54	Chrzanowski=120hrs/mo.;Meighan=120 hrs/mo.											
145XSPRV-2		Winding Engineering oversight and supervision	250*		01MAY07A	30APR08	30APR08	1,105	LOE	99,667.31	151,931.88	Raftopoulos=70hrs/mo.											
145XSPRV-3		Winding Engineering oversight and supervision	337*		01MAY07A	03SEP08	03SEP08	1,018	LOE	85,990.82	176,572.52	Languish=70 hrs/mo.											
145XSPRV-A		Winding Engineering oversight and supervision	169*		01NOV07A	09JUL08		1,057	LOE	63,826.38	308,339.97	Chrzanowski=120hrs/mo.;Meighan=120 hrs/mo.											
<b>Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI</b>																							
<b>Punchlist Tech shop/RESA</b>																							
PLTS-B2		Grinding -B2	13*	1	18JUN07A	22JUN07A	19JUL07		100	15,706.35	15,706.35												
PLTS-A2		Grinding -A2	126*	1	25JUN07A		10JUL07		54	2,048.88	3,794.23	EM/TB =49hr ;											
PLTS-B1		Grinding -B1	42*	1	04SEP07A	05OCT07A	17JUL07		100	3,732.98	3,732.98	EM/TB =49hr ;											
PLTS-A1		Grinding -A1	18	1		31AUG07A	12SEP07		100	6,688.35	6,688.35	EM/TB =89hr ;											
PLTS-C1		Grinding & Drill Holes -C1	54*	1	14SEP07A	30NOV07A	10OCT07		100	18,983.91	18,983.91	EM/TB =240hr ;											
PLTS-C2		Grinding & Drill Holes -C2	106*	1	02JUL07A	30NOV07A	07NOV07		100	18,518.90	18,518.90	EM/TB =240hr ;											
PLTS-C3		Grinding & Drill Holes -C3	20	1	01OCT07A	29JAN08	07DEC07	47	56	10,766.78	19,226.40	EM/TB =240hr ;											
PLTS-C4		Grinding & Drill Holes -C4	20	1	01OCT07A	26FEB08	15JAN08	47	6	1,153.58	19,226.40	EM/TB =240hr ;											
PLTS-A3		Grinding -A3	43*	1	01OCT07A	30NOV07A	22JAN08		100	3,925.39	3,925.39	EM/TB =49hr ;											



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Gantt Chart												
												FY07	FY08				FY09							
PLTS-B3		Grinding -B3	43*	1	01OCT07A	30NOV07A	29JAN08		100	3,925.39	3,925.39	EM//TB =49hr ;												
PLTS-A4		Grinding -A4	58*	1	01OCT07A		05FEB08		96	3,768.37	3,925.39	EM//TB =49hr ;												
PLTS-B4		Grinding -B4	5	1	01OCT07A	29FEB08	12FEB08	47	50	1,962.70	3,925.39	EM//TB =49hr ;												
PLTS-C5		Grinding & Drill Holes -C5	20	1	01OCT07A	28MAR08	11MAR08	54	1	192.26	19,226.40	EM//TB =240hr ;												
PLTS-A5		Grinding -A5	5	1	01OCT07A	04APR08	18MAR08	54	7	274.78	3,925.39	EM//TB =49hr ;												
PLTS-B5		Grinding -B5	5	1	11APR08	17APR08	25MAR08	65		0.00	3,925.39	EM//TB =49hr ;												
PLTS-A6		Grinding -A6	5	1	01OCT07A	09JUL08	01APR08	-6	93	3,650.61	3,925.39	EM//TB =49hr ;												
PLTS-B6		Grinding -B6	5	1	23JUL08	29JUL08	12AUG08	14		0.00	3,925.39	EM//TB =49hr ;												
PLTS-C6		Grinding & Drill Holes -C6	20	1	25MAR08	21APR08	10SEP08	97		0.00	19,226.40	EM//TB =240hr ;												
<b>Punchlist- Coil Technicians</b>																								
PLCT-A1		Insul,measure,TC, other punch list-A1	9	2	01AUG07A	30NOV07A	10OCT07		100	19,803.09	19,803.09	EM//TB =255hr ;												
PLCT-A2		Insul,measure,TC, other punch list-A2	7	2	01AUG07A	30NOV07A	18SEP07		100	15,997.79	15,997.79	EM//TB =206hr ;												
PLCT-B1		Insul,measure,TC, other punch list-B1	7	2	01AUG07A	30NOV07A	27SEP07		100	15,997.79	15,997.79	EM//TB =206hr ;												
PLCT-C1		Insul,measure,TC, other punch list-C1	18	1	01AUG07A	30NOV07A	05NOV07		100	20,113.73	20,113.73	EM//TB =259hr ;												
PLCT-B2		Insul,measure,TC other punch list-B2	7	2	04SEP07A	08JAN08	23AUG07	-81	87	14,151.34	16,265.91	EM//TB =206hr ;												
PLCT-C2		Insul,measure,TC, other punch list-C2	9	2	03JUL07A	21DEC07A	20NOV07		100	19,774.57	19,774.57	EM//TB =255hr ;												
PLCT-A3		Insul,measure,TC, other punch list-A3	17	1	05JUL07A	23JAN08	05MAR08	37	85	15,933.77	18,745.61	EM//TB =241hr ;												
PLCT-A4		Insul,measure,TC, other punch list-A4	17	1	06JUL07A	12FEB08	17APR08	37	37	6,942.37	18,763.16	EM//TB =241hr ;												
PLCT-B3		Insul,measure,TC, other punch list-B3	14	1	01OCT07A	27FEB08	25MAR08	37	87	14,357.31	16,502.66	EM//TB =206hr ;												
PLCT-C3		Insul,measure,TC, other punch list-C3	18	1	01OCT07A	14MAR08	11JAN08	37	49	10,166.76	20,748.49	EM//TB =259hr ;												
PLCT-B4		Insul,measure,TC, other punch list-B4	14	1	01OCT07A	28MAR08	07MAY08	37	91	15,017.42	16,502.66	EM//TB =206hr ;												
PLCT-C4		Insul,measure,TC, other punch list-C4	14	1	25JUL07A	10APR08	11FEB08	50	52	11,203.90	21,545.96	EM//TB =276hr ;												
PLCT-A5		Insul,measure,TC, other punch list-A5	14	1	30JUL07A	18APR08	23JUN08	50	17	2,734.69	16,086.39	EM//TB =206hr ;												
PLCT-A6		Insul,measure,TC,SG other punch list-A6	14	1	01OCT07A	29JUL08	01AUG08	-6	17	2,805.45	16,502.66	EM//TB =206hr ;												
PLCT-B5		Insul,measure,TC, other punch list-B5	14	1	01OCT07A	18AUG08	14JUL08	-6	17	2,805.45	16,502.66	EM//TB =206hr ;												
PLCT-C5		Insul,measure,TC, other punch list-C5	18	1	01OCT07A	26AUG08	03JUN08	-6	79	16,138.16	20,428.05	EM//TB =255hr ;												
PLCT-B6		Insul,measure,TC,SG other punch list-B6	14	1	01OCT07A	16SEP08	02SEP08	-6	17	2,805.45	16,502.66	EM//TB =206hr ;												
PLCT-C6		Insul,measure,TC,SG other punch list-C6	14	1	01OCT07A	06OCT08	30SEP08	-6	17	2,796.38	16,449.31	EM//TB =205hr ;												
PLCT-C6M	2	COMPLETE MODULAR COIL FABRICATION	0	1		06OCT08	30SEP08	-6		0.00	0.00	EM//TB =205hr ;												
<b>Job: 1421 - Mod Coil Interface Design-WILLIAMSON</b>																								
<b>Outboard Interface-Bolted Joint Tests-Tension</b>																								
1421-3067		Procure 2 studs f/joint test.Use existing part	11*		01AUG07A	15AUG07A	26JUL07		100	6,089.76	6,089.76	EM//EM =08hr ; 41=01\$K ; EM//TB =48hr ;												
1421-3075		Setup test fixture &perform JHA & pre-job brief	2		01OCT07A	31OCT07A	30JUL07		100	2,568.08	2,568.08	EM//EM =08hr ; EM//TB =16hr ;												
1421-3077		Meas joint deflect vs preload & loss of preload	2		03OCT07A	30NOV07A	02AUG07		100	5,781.60	5,781.60	EM//EM =24hr ; EM//TB =24hr ;												
1421-3079		Measure joint deflec & preload v. temp @80K	2		01NOV07A	30NOV07A	07AUG07		100	5,781.60	5,781.60	EM//EM =24hr ; EM//TB =24hr ;												
1421-3084		Measure joint deflection&preload v. cooldown cyc	5*		01NOV07A	30NOV07A	10AUG07		100	5,781.60	5,781.60	EM//EM =24hr ; EM//TB =24hr ;												
1421-3087		Perform pullout tests for tapped holes	15*		03DEC07A	21DEC07A	15AUG07		100	5,781.60	5,781.60	EM//EM =24hr ; EM//TB =24hr ;												
1421-3081		Meas joint deflect & preload v. time (days) at	2		01NOV07A	30NOV07A	13SEP07		100	38,544.00	38,544.00	EM//EM =160hr ; EM//TB =160hr ;												
1421-3090		Document&conduct review of test results	78*		01NOV07A	29FEB08	20SEP07	1,095	50	3,215.80	6,431.60	EM//EM =40hr ;												

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09					
<b>Outboard Interface-Bolted Joint Tests-Shear</b>																							
1421-3112B		Procure/fab parts for test&initial assembly	44		02JUL07A	31OCT07A	25JUL07		100	18,985.04	18,985.04												
1421-3115B		Assemble & test	91*		15OCT07A	29FEB08	10SEP07	1,147	70	41,841.94	59,774.20												
1421-3119B		Document test results	20*		04FEB08	29FEB08	01OCT07	1,147		0.00	0.00												
1421-3999		Peer Review of Test Result	0			03MAR08		1,147		0.00	0.00												
<b>Inboard Interface-AB/BC/AA</b>																							
IH1-001		Coil to coil scoping analysis	40*		01JUN07A	27JUL07A	27JUL07		100	116,974.40	116,974.40												
1421-3125		Determine geometry&location of high COF shims&pl	66*		01MAY07A	31JUL07A	26JUN07		100	12,457.60	12,457.60												
1421-3127		Structural analyses to performance rqmts for bol	23*		02JUL07A	31JUL07A	25JUL07		100	37,372.80	37,372.80												
1421-3131		10PDR prep for requirements, design,&development	5		02JUL07A	31JUL07A	01AUG07		100	6,228.80	6,228.80												
1421-3132		Review requirements - PDR	0			02AUG07A	01AUG07		100	0.00	0.00												
INTRF-049		prep winding form mods f/weld clamp boltsDELETED	0		03DEC07A	21DEC07A	22AUG07		100	0.00	0.00												
INTRF-050		Complete Shim fabrication drawings (ORNL)	86		02JUL07A	27NOV07A	22AUG07		100	37,935.75	37,935.75												
INTRF-051		Release info for procurement of shim material	21*		02JUL07A	31JUL07A	31JUL07		100	3,737.28	3,737.28												
1421-3134		Issue interface dwgs for comment	52*		01MAY07A	13JUL07A	15AUG07		100	46,716.00	46,716.00												
INTRF-040		ANalysis of tensile loads (ORNL)	129*		01MAY07A	31OCT07A	15AUG07		100	50,175.01	50,175.01												
INTRF-064		PDR	0			18OCT07A			100	0.00	0.00												
INTRF-054		FDR prep AB/BC/AA inboard Interface	34*		19OCT07A	27NOV07A	04SEP07		100	12,863.20	12,863.20												
INTRF-055	2	AB/BC/AA inboard interface - FDR	0			27NOV07A	04SEP07		100	0.00	0.00												
1421-3138		Resolve issues, release assembly spec&drawings	37*		03DEC07A	31JAN08	11SEP07	-27	90	34,940.16	38,822.40												
<b>Inboard Interface-CC</b>																							
IH1-000		ESTABLISH CONCEPT	25*		02JUL07A	31JUL07A	23JUL07		100	118,347.20	118,347.20												
IH1-0000		PEER REVIEW OF JOINT CONCEPT	1*			07AUG07A	02AUG07		100	0.00	0.00												
1421-3143		Add bolt holes to C winding form dwg CC interfac	11			22AUG07A	17AUG07		100	21,800.80	21,800.80												
1421-3143X		Release dwg for add'l holes in C coil	0			22AUG07A	17AUG07		100	0.00	0.00												
1421-3145		Bolt reach & access study (mockup)	6		01OCT07A	08OCT07A	08OCT07		100	32,352.00	32,352.00												
1421-3146		Tooling development for C-C bolt access*NEW TASK	48		01OCT07A	31OCT07A			100	48,528.00	48,528.00												
1421-3140		50Prep C-C shim drawings and release	80*		01OCT07A	31JAN08	26OCT07	453	70	40,763.52	58,233.60												
1421-3142		FDR Prep for C-C joint	22*		02JAN08	31JAN08	07JAN08	453		0.00	0.00												
1421-3144	3	Mod Coil C-C Joint - FDR	0	R		31JAN08	07JAN08	453		0.00	0.00												
<b>Weld Access test</b>																							
INTRF-025		ORNL build plywood mockup of flange	20		02JUL07A	30JUL07A	11JUN07		100	51,800.80	51,800.80												
INTRF-030		ORNL verify weld access	7		02JUL07A	31JUL07A	20JUN07		100	45,228.80	45,228.80												
INTRF-010		Develop Weld Geometry Procedure	5		02JUL07A	31JUL07A	27JUN07		100	6,969.20	6,969.20												
<b>Outboard Interface</b>																							
IH4-020		Prepare outboard shim dwgs and release	45		01MAY07A	25JUN07A	03JUL07		100	9,343.20	9,343.20												
INTRF-045	3	FDR prep outboard shims	10		25JUN07A	29JUN07A	18JUL07		100	6,228.80	6,228.80												

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07												FY08												FY09											
INTRF-046		Outboard shims - FDR	0	R		29JUN07A	18JUL07		100	0.00	0.00																																				
INTRF-047		Resolve chit's and issue outboard shim drawings	27*			07SEP07A	26JUL07		100	9,343.20	9,343.20	ornlem=60																																			
INTRF-048		FDR Bolted Joint	0			31JUL07A			100	0.00	0.00																																				
Job: 1429 - MC Interface R&D-DUDEK																																															
Outboard Interface-Friction																																															
INTRF-100		Misc travel, meetings,reporting,job 1416&1421	207*		01MAY07A	29FEB08	29FEB08	1,148	LOE	184,609.48	233,092.79	35=3k; orn135=9k ornlem=1240;em/em=150																																			
REBASE1421		Re-baseline exercise	0*		01JUN07A	29JUN07A	15JUN07		100	39,864.32	39,864.32	ornlem=256																																			
Job: 1429 - MC Interface R&D-DUDEK																																															
Outboard Interface-Friction																																															
1429-3026		COF cyclic testing	0*		01MAY07A	18MAY07A	18MAY07		100	29,970.00	29,970.00																																				
1429-3027		Friction Life Test	32		02JUL07A	31JUL07A	15AUG07		100	29,397.18	29,397.18	gettelfinger=107hrs; jurzynski=107hrs																																			
1429-3028		Edge loading&Superbolt torque tests 1&2	65*		01OCT07A	10JAN08A	16AUG07		100	31,340.30	31,340.30	gettelfinger=107hrs; jurzynski=107hrs																																			
1429-3029		Bolt Tests 3&4 Write Report (see 1421-3067to3090)	143*		01AUG07A	29FEB08	24AUG07	1,148	10	3,076.96	30,769.60	gettelfinger=107hrs; jurzynski=107hrs																																			
Job: 1431 - Mod. Coil Interface Hardware-DUDEK																																															
Bladders																																															
1421-3022		Receive first 5 Bladders	10		01JUN07A	29JUN07A	16JUL07		100	0.00	0.00																																				
1421-3023		Test Bladders (finish by A6-B6 weld test)	10		05SEP07A	11SEP07A	30JUL07		100	0.00	0.00																																				
1421-3024		Prep Req, Bid,& Award Bladders	10		01NOV07A	14NOV07A	13AUG07		100	0.00	0.00																																				
1421-3025		Deliver bladders	28*		17DEC07A	01FEB08	20AUG07	1,130	31	3,001.39	16,807.80	41=12.85\$K ;																																			
1421-3028		Bladders available for FPA	0			01FEB08	20AUG07	1,130		0.00	0.00																																				
Bushings																																															
1421-3105		Prep Req, Bid,& Award Bushings	5		01OCT07A	05OCT07A	21MAY07		100	0.00	0.00																																				
1421-3106		Deliver Bushings Material	6*		08OCT07A	15OCT07A	02JUL07		100	10,529.40	10,529.40	41=08\$K ;																																			
1421-3107		PPPL Machine bushings Bushings FPA 1&2	101*		01OCT07A	29NOV07A	29JUL08		100	29,560.59	29,560.59	em/tb=33 ;																																			
1421-3108		Bushings available for FPA 1	0		30OCT07A				100	0.00	0.00																																				
1421-3117		PPPL Machine bushings Bushings FPA 3	30		02JAN08	12FEB08		155		0.00	14,820.35	em/tb=185																																			
1421-3118		Bushings available for FPA 3	0		13FEB08			155		0.00	0.00																																				
1421-3109		All Bushings delivered	0			12FEB08	29JUL08	155		0.00	0.00																																				
MIG Welding																																															
1429-3200		Order MIG welding equip	10		01NOV07A	30NOV07A			100	0.00	0.00																																				
1429-3205		Deliver MIG welding equip	10		03DEC07A	15JAN08A			100	0.00	0.00																																				
1429-3215		Prep weld procedures	43*		01NOV07A	11JAN08		1,170	50	0.00	0.00																																				
1429-3220		Cut samples for weld qualification	10		01NOV07A	30NOV07A			100	0.00	0.00																																				
1429-3225		Qualify welders	15*		02JAN08A	22JAN08		1,170	25	0.00	0.00																																				
1429-3230		Welders qualified and MIG welder available	0			22JAN08		1,170		0.00	0.00																																				
Pucks																																															
1429-3100		Determine Puck Material	0			21DEC07A			100	0.00	0.00																																				
1429-3105		Deliver bar stock	10		12DEC07A	03JAN08A			100	0.00	0.00																																				

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Gantt Chart											
												FY07	FY08				FY09						
1429-3110		PPPL cut and grind to thickness	5		04JAN08	10JAN08		-132		0.00	0.00	[Gantt bar for 1429-3110]											
1429-3115		Pucks ready for assy	0			10JAN08		-132		0.00	0.00	[Gantt bar for 1429-3115]											
<b>Shims-Outboard</b>																							
1429-3059		Bid,Award Shim Stock (out & inboard) PE7556	15		01AUG07A	10AUG07A	21AUG07		100	0.00	0.00	[Gantt bar for 1429-3059]											
1429-3060		Deliver Outboard Shim Stock	19*		13AUG07A	07SEP07A	05SEP07		100	38,637.28	38,637.28	[Gantt bar for 1429-3060]											
1429-3062		Vendor Cut, Grind, debur Outboard Shims	95*		10SEP07A	31JAN08	18MAR08	-93	38	7,295.62	19,198.99	[Gantt bar for 1429-3062]											
1429-3065		Prep Req, Bid, Award Alumina Application R405443	0*		04SEP07A	31AUG07A	16AUG07		100	0.00	0.00	[Gantt bar for 1429-3065]											
1429-3066		Apply Alumina to OutboardShims	65		02JAN08*	01APR08	25MAR08	-93		0.00	42,248.40	[Gantt bar for 1429-3066]											
1429-3066A		Qualify Flame Spray	13		01NOV07A	19NOV07A			100	0.00	0.00	[Gantt bar for 1429-3066A]											
1429-3066B		PPPL Evaluate	5		20NOV07A	28NOV07A			100	0.00	0.00	[Gantt bar for 1429-3066B]											
1429-3066E		Anneal Outboard shims	5		01NOV07A	07NOV07A			100	0.00	0.00	[Gantt bar for 1429-3066E]											
1429-3066J		Re-Anneal Outboard shims	5		07NOV07A	07NOV07A			N/R	0.00	0.00	[Gantt bar for 1429-3066J]											
1429-3066D		PPPL Regrind Outboard Shims	23*		19NOV07A	14DEC07A			100	0.00	0.00	[Gantt bar for 1429-3066D]											
1429-3066F		Ship to Alumina vendor for flame spray	1		17DEC07A	17DEC07A			100	0.00	0.00	[Gantt bar for 1429-3066F]											
1429-3066G		Alumina coat outboard shims for 1st HP	8*		18DEC07A	07JAN08		-131		0.00	0.00	[Gantt bar for 1429-3066G]											
1429-3066H		Deliver 1st HP shims to PPPL	1		08JAN08*	08JAN08		-131		0.00	0.00	[Gantt bar for 1429-3066H]											
1429-3069		Outboard Shims Available for 1st 3 pack MC assy	0			08JAN08*		-131		0.00	0.00	[Gantt bar for 1429-3069]											
S21-5.04X	2	Shims required for 1st 3 pack MC assy	0			09JAN08	20SEP07	-131		0.00	0.00	[Gantt bar for S21-5.04X]											
1429-3070		Outboard Shims Available for 2nd 3 pack MC assy	0		29JAN08			-97		0.00	0.00	[Gantt bar for 1429-3070]											
1429-3071		Outboard Shims Available for 3rd 3 pack MC assy	0		13FEB08			-5		0.00	0.00	[Gantt bar for 1429-3071]											
1429-3072		Outboard Shims Available for 4th 3 pack MC assy	0		05MAR08			20		0.00	0.00	[Gantt bar for 1429-3072]											
1429-3073		Outboard Shims Available for 5th 3 pack MC assy	0		26MAR08			71		0.00	0.00	[Gantt bar for 1429-3073]											
1429-3074		Outboard Shims Available for 6th 3 pack MC assy	0		02APR08			119		0.00	0.00	[Gantt bar for 1429-3074]											
<b>Shims-Inboard</b>																							
1429-3060I		Deliver Inboard Shim Stock	11*		01NOV07A	30NOV07A			100	39,606.24	39,606.24	[Gantt bar for 1429-3060I]											
1429-3062X		PPPL Cut, grind and debur Inboard Shims	130		02JAN08	02JUL08	24MAR08	-130		0.00	19,362.37	[Gantt bar for 1429-3062X]											
1429-3060B		PPPL water jet cut inboard shims	3		03JAN08A	07JAN08		-134		0.00	0.00	[Gantt bar for 1429-3060B]											
1429-3060A		PPPL mill inboard shims to thickness (for A-B)	5		08JAN08	14JAN08		-134		0.00	0.00	[Gantt bar for 1429-3060A]											
1429-3060D		PPPL mill inboard shims to thickness (for B-C)	10		15JAN08	28JAN08		1,116		0.00	0.00	[Gantt bar for 1429-3060D]											
1429-3060C		PPPL anneal inboard shims	3		15JAN08	17JAN08		-134		0.00	0.00	[Gantt bar for 1429-3060C]											
1429-3069X		Inboard Shims Available for 1st 3 pack MC assy	0		15JAN08			-134		0.00	0.00	[Gantt bar for 1429-3069X]											
1429-3070X		Inboard Shims Available for 2nd 3 pack MC assy	0		06FEB08			-103		0.00	0.00	[Gantt bar for 1429-3070X]											
1429-3071X		Inboard Shims Available for 3rd 3 pack MC assy	0		19MAR08			21		0.00	0.00	[Gantt bar for 1429-3071X]											
1429-3072X		Inboard Shims Available for 4th 3 pack MC assy	0		30APR08			15		0.00	0.00	[Gantt bar for 1429-3072X]											
1429-3073X		Inboard Shims Available for 5th 3 pack MC assy	0		29MAY08			80		0.00	0.00	[Gantt bar for 1429-3073X]											
1429-3074X		Inboard Shims Available for 6th 3 pack MC assy	0		03JUL08			60		0.00	0.00	[Gantt bar for 1429-3074X]											
<b>Shims- C-C Joint</b>																							
1429-3062C		PPPL Cut, Grind, debur Outboard Shims	10		01OCT09*	14OCT09	14OCT09	34		0.00	8,170.84	[Gantt bar for 1429-3062C]											

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Gantt Chart											
												FY07	FY08				FY09						
1429-3066C		Apply Alumina to OutboardShims	40		08OCT09	04DEC09	04DEC09	34		0.00	9,308.00	41=6.5\$K ; route= 10-15 days for all; say 3 days/3 pack											
1429-3075X		Shims Req'd for C-C joint	0		07DEC09			34		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	41=78\$K ;											
1421-3061		Stud kit available for 1st 3 pack MC assy	0			31AUG07A	20JUL07		100	0.00	0.00												
1421-3062		Re-order balance of stud kits	71*		01OCT07A	18JAN08	18OCT07	63	79	322,695.50	408,475.32	41=312\$K ;											
1421-3063		Stud kits available for balance of MC assy	0			18JAN08	18OCT07	63		0.00	0.00												
1421-3065		Deliver Superbolts (PE007332)	43*		01MAY07A	29JUN07A	31MAY07		100	157,905.00	157,905.00	41=123.75k ;											
1421-3066		Super bolts available for FPA	0			29JUN07A	31MAY07		100	0.00	0.00												
1421-3070		Order Add'l stud kits for c-c joint&weld clmp	15		02JAN08*	22JAN08	19OCT07	39		0.00	0.00												
1421-3072		Deliver Add'l stud kits for c-c joint&weld clmp	30		23JAN08	04MAR08	04DEC07	39		0.00	59,827.92	41=45.738k ;											
1421-3080		Purchase G-11 shims and machine for C-C inboard	65		02JAN08*	01APR08	10JAN08	458		0.00	5,728.80	41=1.44k ; em/tb=48											
<b>Misc Tech Shop Support</b>																							
1421-4000		Misc Tech Shop support through FPA sta 3	250*		01OCT07A	30SEP08	30SEP08	999	LOE	17,842.10	76,905.60	em/tb=960											
<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	EA//EM =70hr ;											
1501-522		Prelim CAD models & Dwgs	30		04JUN07A	16JUL07A	16JUL07		100	27,876.80	27,876.80	ea//dm=160											
1501-525		PDR Prep	3		02JUL07A	20JUL07A	19JUL07		100	3,484.60	3,484.60	EA//EM =10hr ; EA//DM =10 ;											
1501-525P	3	Coils Support Structure - PDR	1		20JUL07A	20JUL07A	20JUL07		100	1,393.84	1,393.84	EA//EM =04hr ; EA//DM =04 ;											
1501-533		Detail CAD Drawings,BOM	142*		01JUN07A	07DEC07A	17SEP07		100	60,663.72	60,663.72	EA//EM =20hr ; EA//DM =320 ;											
1501-533F		Integrated Stress Analysis	91*		01OCT07A	15FEB08	17SEP07	73	80	35,665.92	44,582.40	EA//EM =240hr ;											
1501-534		revise dsn to accommodate trim coils	53		02JAN08	14MAR08		49		0.00	0.00												
1501-535		Resolve CS PDR Chits	0*		05FEB08	04FEB08		1,167		0.00	0.00												
1501-537		FDR Prep	4		17MAR08	20MAR08	20SEP07	49		0.00	2,786.40	EA//EM =10hr ; EA//DM =05 ;											
1501-541	3	Coil Support Structures - FDR	1		21MAR08	21MAR08	21SEP07	49		0.00	1,486.08	EA//EM =04hr ; EA//DM =04 ;											
1501-545		Resolve Chits	5		24MAR08	28MAR08	19OCT07	49		0.00	7,430.40	EA//EM =20hr ; EA//DM =20 ;											
1501-549		Update C.S.Support Design	6		31MAR08	07APR08	05OCT07	377		0.00	11,145.60	EA//EM =20hr ; EA//DM =40 ;											
1501-550		FDR Updated C.S.Design	5		21MAY08	28MAY08	10OCT07	372		0.00	1,486.08	EA//EM =04hr ; EA//DM =04 ;											
1501-554		Resolve CS FDR Chits	5		29MAY08	04JUN08	12OCT07	372		0.00	7,430.40	EA//EM =08hr ; EA//DM =08 ;											
1501-558		Prepare requisition for Coil Structure & CSS h/w	10		24MAR08	04APR08	02NOV07	49		0.00	743.04	EA//EM =04hr ;											
1501-562		Prepare Specs for Coil Structure & CSS h/w	10		24MAR08	04APR08	26OCT07	49		0.00	1,857.60	EA//EM =10hr ;											
ECP53RBX09		FY07 Rebaseline exercise	0*		01JUN07A	29JUN07A	31MAY07		LOE	6,969.20	6,969.20	ORNLEM =40hr ;											
<b>Job: 1550 - Coil Struct. Procurement -DAHLGREN</b>																							
1501-244		Procure Spherical Bearings	79*		02JAN08*	21APR08		196		0.00	19,620.00												
1501-245		Prep Spec,Solicit Bids, and Evaluate Bids	40		31MAR08	23MAY08	16JUN08	49		0.00	0.00												



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Gantt Chart			
												FY07	FY08	FY09	
162-036.9	2	Award Coil Support Structure	0			23MAY08*	16JUN08*	49		0.00	0.00				
162-037		Fabricate TF/MCWF mounting Components	260		27MAY08	10JUN09	01JUL09	49		0.00	307,101.32		41=239.73		
162-037M	2	Fabricate TF/MCWF mounting Components	0			10JUN09	01JUL09	49		0.00	0.00				
162-038		Fabricate PF Mounting components	260		27MAY08	10JUN09	01JUL09	49		0.00	267,882.23		48=257.06		
162-039		Fabricate Final TF Assy components Components	260		27MAY08	10JUN09	01JUL09	49		0.00	83,013.69		48=79.657		
162-040		Fabricate Machine/base support interface	260		27MAY08	10JUN09	01JUL09	49		0.00	92,580.16		48=88.84k		
162-050		Prep req, bid and award G11/Teflon parts	20		16JUN08*	14JUL08	14JUL08	48		0.00	0.00				
162-051		Deliver G11/Teflon parts	90		15JUL08	18NOV08	18NOV08	48		0.00	155,701.41		48=150.42\$K		
162-052		Prep req, bid and award Inconel hardware	20		16JUN08*	14JUL08	14JUL08	48		0.00	0.00				
162-053		Deliver Inconel hardware	90		15JUL08	18NOV08	18NOV08	48		0.00	107,848.23		48=104.19\$K		
162-055		Prep req, bid and award Belleville Washers	20		16JUN08*	14JUL08	14JUL08	48		0.00	0.00				
162-057		Deliver Belleville Washers	90		15JUL08	18NOV08	18NOV08	48		0.00	25,106.83		41=18.695\$K		
162-031		Title III engr WBS 151	260		27MAY08*	10JUN09	01JUL09	828	LOE	0.00	12,291.58		PERRY =75hr		
<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		ORNLEM =40hr		
<b>161 - LN2 Distribution</b>															
191-001		Title I design WBS 161 LN2 manifolds&pipng	142*		02SEP07A	01APR08	01APR08	78	25	20,923.74	83,694.95		ORNLEM =520hr		
191-002	3	LN2 manifolds&pipng- PDR	1	R	02APR08	02APR08	02APR08	78		0.00	1,294.08		ORNLEM =08hr		
191-011		Title II design WBS 161 LN2 manifolds&pipng	65		03APR08	03JUL08	03JUL08	78		0.00	84,115.20		ORNLEM =520hr		
191-012		LN2 manifolds&pipng - FDR	1	R	07JUL08	07JUL08	07JUL08	78		0.00	1,294.08		ORNLEM =08hr		
191-037		Prep Req,Bid,Award-manifolds,hoses,valves etc	25		08JUL08	11AUG08	11AUG08	78		0.00	0.00				
191-038		Fab and deliver-manifold assy,hoses,valves etc	90		12AUG08*	18DEC08	18DEC08	78		0.00	140,101.51		41=59\$K ; EM/TB =492hr ; EM		
191-031		Title III engr WBS 161	118		08JUL08	23DEC08	23DEC08	941	LOE	0.00	27,796.89		ORNLEM =176hr		
<b>162 - Electrical Leads</b>															
132-001		Title I design WBS 162 Coil leads	155		03DEC07A	07AUG08	19JAN09	156	10	14,817.22	148,172.16		ORNLEM =916hr		
132-002		Electrical Coil leads - PDR	1	R	08AUG08	08AUG08	20JAN09	156		0.00	1,294.08		ORNLEM =08hr		
132-011		Title II design WBS 162 Coil leads	155		11AUG08	27MAR09	27AUG09	257		0.00	156,365.04		ORNLEM =916hr		
132-012		Electrical Coil leads - FDR	1	R	30MAR09	30MAR09	28AUG09	257		0.00	1,387.28		ORNLEM =08hr		
132-015		Title III design WBS 162 Coil leads	99		31MAR09	18AUG09	29JAN10	329	LOE	0.00	19,075.10		ORNLEM =110hr		
132-037		Prep Req,Bid,Award Lead hardware and cables	25		31MAR09	04MAY09	05OCT09	257		0.00	0.00				
132-038		Deliver Lead hardware and cables	65		05MAY09	05AUG09	18JAN10	257		0.00	111,396.78		41=79.744\$K		
132-047		Prep Req,Bid,Award Material for transition box	25		31MAR09	04MAY09	05OCT09	323		0.00	0.00				
132-048		Deliver Material for Transition Boxes	40		05MAY09	30JUN09	02DEC09	323		0.00	9,667.24		41=07\$K		
132-049		Assemble Transition boxes (6)	40		01JUL09	26AUG09	08FEB10	323		0.00	19,790.40		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		ORNLEM =220hr		

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Gantt Chart											
												FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18
<b>17 - Cryostat and Base Support Structure</b>																							
<b>Job: 1702 - Base Support Struct Design-DAHLGREN</b>																							
1702-510		Base support structure prel. design & analysis	94*		03SEP07A	24JAN08	23NOV07	47	55	40,556.26	73,738.65	■ DAHLGREN =178hr ; CRUIKSHANK =2											
1702-515	3	Base support - PDR	5	R	25JAN08	31JAN08	26NOV07	47		0.00	743.04	■ DAHLGREN =04hr ;											
1702-520		Final design. Assy dwgs, fab dwgs, BOMs,specs/SO	10*		01FEB08	14FEB08	01FEB08	47		0.00	74,675.52	■ DAHLGREN =178hr ; CRUIKSHANK =											
1702-525		Base Support Structure - FDR	5	R	15FEB08	21FEB08	04FEB08	47		0.00	743.04	■ DAHLGREN =04hr ;											
1702-525M	2	Base Support Structure FDR	0			21FEB08	04FEB08	47		0.00	0.00	▼											
1702-530		Resolve chits, issue dwgs for fab,Issue requisit	10		22FEB08	06MAR08	03MAR08	47		0.00	12,631.68	■ DAHLGREN=36;CRUIKSHANK=32											
<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		07MAR08	01MAY08	19JUN08	47		0.00	0.00	■											
161-036.9	3	Deliver base support materials	65		02MAY08	04AUG08	22SEP08	47		0.00	51,587.52	■ =39.438\$K ;											
161-037		PPPL assemble structure	35		05AUG08*	23SEP08	10NOV08	47		0.00	29,079.93	■ EM/TB =363 ;											
161-038		Title III	261		07MAR08*	24MAR09	19MAR09	883	LOE	0.00	7,166.87	■ PERRY=44											
<b>Job: 1701 - Cryostat Design-RAFTOPOLOUS</b>																							
<b>X</b>																							
1701-100		Cryostat- Conceptual Design	65		01OCT08*	12JAN09	12JAN09	55		0.00	15,888.00	■ EM//EM =96											
1701-101		Cryostat- Preliminary Design	70		13JAN09	20APR09	28APR09	55		0.00	73,446.84	■ EM//EM =14											
1701-102		Cryostat- Stress analysis	43		19FEB09*	20APR09	28APR09	55		0.00	38,242.00	EA//EM=200 ■											
1701-103		Cryostat- Joint R&D	10		07APR09*	20APR09	28APR09	55		0.00	3,298.40	■ EM/TB=40											
1701-121		Cryostat- PDR	1	R	21APR09	21APR09	29APR09	55		0.00	1,324.00	EM//EM =08hr ;											
1701-131		Cryostat- Final Design	70		22APR09	30JUL09	07AUG09	55		0.00	73,446.84	EM//EM =144hr ; EA//SB =402hr ; ■											
1701-141		Cryostat- FDR	1	R	31JUL09	31JUL09	10AUG09	55		0.00	1,324.00	EM//EM =08hr ;											
<b>Job: 1751 - Cryostat Procurement-RAFTOPOLOUS</b>																							
1751-151		Cryostat- Procure Materials and Supplies	65		01OCT09*	13JAN10	13JAN10	122		0.00	174,575.12	41=121.908\$K ; ■											
1751-161		Cryostat- Fabricate Components	65		14JAN10	14APR10	14APR10	122		0.00	88,670.40	■											
1751-171		Cryostat- Title III	90		01OCT09	17FEB10	17FEB10	660	LOE	0.00	61,606.80	EM//EM =360hr ; ■											
<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	■											
1803-2.1A		Design 3 pack lift beam	30		02JAN08	12FEB08		29	100	0.00	0.00	■											
1803-2.1B		Fabricate 3 pack lift beam	65		13FEB08	13MAY08		29	100	0.00	0.00	■											
1803-2.2		Procure 2 20degree wedge fixt (for total of 6)	90		02JAN08*	06MAY08	18JAN08	-14		0.00	0.00	■ 41=92.8k**ON HOLD** NOT BUD											

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09															
<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																						
1803-3.3		Analyze single point lift	10*		28JUN07A	12JUL07A	12JUL07		100	9,756.88	9,756.88																						
1803-3.4	3	Stage 3 support FDR	3*		02JUL07A	17JUL07A	13JUL07		100	0.00	0.00																						
1803-3.5		Flange bolt/VV support access platform	8		02JUL07A	12JUL07A	12JUL07		100	13,495.20	13,495.20																						
1803-3.6		Revise drawings per FDR input & release for Fab	111*		02JUL07A	07DEC07A	17JUL07		100	5,552.72	5,552.72																						
1803-3.7		Transportation study (move between test cells)	2		10DEC07A	11DEC07A	19JUL07		100	4,796.40	4,796.40																						
1803-3.8		Generate laser trace drawing for each screen	20		03MAR08*	28MAR08	10AUG07	-5		0.00	9,592.80																						
1803-3.9		Assembly sequence plan and Installation procedur	18		01JUN07A	26JUN07A	26JUN07		100	6,969.20	6,969.20																						
1803-3.10		VV/MC clearance report (for VVSA1, 2 and 3)	0*		27JUL07A	26JUL07A	26JUL07		100	12,544.56	12,544.56																						
1803-3.11		Deliver Support Cart (PE 007703)	52*		15OCT07A	07JAN08	19NOV07	-33		0.00	21,385.80																						
1803-3.12		Deliver Lift Fixture	61*		11JAN08*	04APR08		-68		0.00	39,946.32																						
<b>Station 5-Final Field Period Assembly</b>																																	
1803-5.1		Complete FP support models	146*		01JUN07A	07JAN08A	10OCT07		100	27,749.69	27,749.69																						
1803-5.5		Design followup & prelim analysis	4*		02JAN08*	07JAN08	28AUG07	53		0.00	11,145.60																						
1803-5.2		Complete platform models	7*		02JAN08	10JAN08	31OCT07	51		0.00	9,592.80																						
1803-5.3		Peer Review (was PDR)	0			10JAN08*	07NOV07	51		0.00	0.00																						
R1802-503		Sequence plan	20		01MAY07A	30MAY07A	30MAY07		100	0.00	0.00																						
1803-5.4		Structural Analysis	28*		11JAN08*	19FEB08	21NOV07	51		0.00	11,145.60																						
1803-5.6	3	Station 5 FDR	0			19FEB08	21NOV07	51		0.00	0.00																						
1803-5.7		Complete dwg package and release for Fa	20		20FEB08	18MAR08	21DEC07	51		0.00	14,389.20																						
1803-5.8		Complete models and dwgs for test cell metrology	30		19MAR08	29APR08	14JAN08	66		0.00	19,180.80																						
1803-5.9		Procure materials and fixture (2 stations)	65		19MAR08	18JUN08	01APR08	51		0.00	94,071.36																						
1803-5.14		PDR	1		25JAN08	25JAN08		1,173		0.00	0.00																						
<b>6.00-Final Machine Assembly</b>																																	
1803-6.1		Complete Stage 6 support models	50		02JAN08*	11MAR08	19FEB08	54		0.00	28,778.40																						
1803-6.2		Complete platform models	30		12MAR08	22APR08	01APR08	54		0.00	9,592.80																						
1803-6.3		Structural Analysis	50		02JAN08*	11MAR08	22JAN08	84		0.00	22,291.20																						
1803-6.4		PDR	0	R		22APR08	01APR08	54		0.00	0.00																						
1803-6.5		Complete drawing package	40		23APR08	18JUN08	28MAY08	54		0.00	19,185.60																						
1803-6.6	3	Station 6 FDR	0	R		25JUN08	04JUN08	54		0.00	0.00																						
1803-6.7		Revise drawings per FDR input and release for Fa	5		26JUN08	02JUL08	11JUN08	54		0.00	0.00																						
1803-6.9		Design followup and prelim analysis	82		02JAN08*	24APR08	03APR08	97		0.00	22,291.20																						
1803-6.8		Procure materials and fixture	65		02SEP08*	03DEC08	03DEC08	13		0.00	111,484.70																						
<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	298		0.00	17,008.28																						

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09					
<b>Station 2-Modular Coil Sub- Assembly</b>																							
1803-201	3	Station 2 Assembly Specification	127*		01JUL07A	09JAN08	11SEP07	-131	80	10,160.88	12,701.10												
1803-205	3	Station 2 Assembly Drawings	142*		11JUN07A	09JAN08	11SEP07	-131	95	12,616.73	13,280.77												
<b>Station 3-Modular Coil to VVSA Assembly</b>																							
1803-301		Station 3 Assembly Specification	143*		02JUL07A	31JAN08	16NOV07	-75	30	11,455.13	38,183.77												
1803-305		Station 3 Assembly Drawings	143*		02JUL07A	31JAN08	22NOV07	-75	60	7,980.15	13,300.25												
<b>Station 5-Final Field Period Assembly</b>																							
1803-501		Station 5 Assembly Specification	90		01FEB08*	06JUN08	15APR08	39		0.00	32,352.00												
1803-505		Station 5 Assembly Drawings	152*		03SEP07A	15APR08	15APR08	76	40	8,011.80	20,029.51												
1803-509		Field period Assy Dwgs	90		01FEB08*	06JUN08	15APR08	39		0.00	40,137.60												
1803-611		Detail dwgs ports	90		02JAN08*	06MAY08	15APR08	61		0.00	20,068.80												
<b>6.00-Final Machine Assembly</b>																							
1803-601		Station 6 Assembly Specification	120		15APR08*	02OCT08	02OCT08	30		0.00	71,259.83												
1803-605		Station 6 Assembly Drawings	120		15APR08*	02OCT08	02OCT08	30		0.00	53,549.76												
1803-605M	2	Station 6 Specification & Assy Drawings Complete	0			02OCT08	02OCT08	30		0.00	0.00												
1803-613		Detail dwgs-man access port	120		15APR08*	02OCT08	02OCT08	30		0.00	6,693.72												
1803-010		Models,design reviews, meetings,reporting,	430*		01MAY07A	23JAN09	23JAN09	925	LOE	67,238.31	176,478.50												
<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												
1802ORNLO2		ORNL Title III field period assy station 2	326		02JAN08*	17APR09	19FEB09	-60	LOE	0.00	153,614.32												
1802ORNLO3		ORNL Title III field period assy station 3	305*		20MAR08*	08JUN09	08JUN09	6	LOE	0.00	117,278.05												
1802ORNLO5		ORNL Title III field period assy station 5	260*		30OCT08*	13NOV09	13NOV09	34	LOE	0.00	122,171.24												
R1802-001		Metrology Engr Super FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	62,722.80	62,722.80												
R1802-003		Metrology Engr Super FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	37,192.12	160,310.88												
R1802-004		Metrology Engr Super FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	194,695.10												
R1802-004S		Metrology Engr Super FY09 (2n shft suprt .5 fte	203*	2	30JAN09*	13NOV09	13NOV09	718	LOE	0.00	134,631.52												
R1802-005		FPA Management FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	115,712.78	115,712.78												
R1802-007		FPA Management FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	64,385.46	277,523.54												
R1802-008		FPA Management FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	322,131.05												
R1802-013		HP Coverage in the TFTR TC LOE FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	59,214.54	59,214.54												
R1802-015		HP Coverage in the TFTR TC LOE FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	34,766.92	149,857.40												
R1802-016		HP Coverage in the TFTR TC LOE FY09	169*		01OCT08*	08JUN09	08JUN09	830	LOE	0.00	104,271.28												
R1810-098		Station 3 complete	0			02DEC09	08JUN09	707		0.00	0.00												

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Gantt Chart												
												FY07	FY08				FY09							
<b>Station 2 procedures,JHA,ACC,Training,Prep</b>																								
R1802-207		Procedures written & approved	66*		01OCT07A	11JAN08	01OCT07	1,144	90	0.00	0.00	■ Viola												
R1802-209		50JHA completed	6		01OCT07A	31OCT07A	09OCT07		100	0.00	0.00	■ Viola												
R1802-211		Training needs identified & released	66*		01OCT07A	11JAN08	17OCT07	1,143	50	0.00	0.00	■ Viola												
R1802-213		ACC review completed	2*		10JAN08A	11JAN08	19OCT07	1,143	50	0.00	0.00	■ Viola												
R1802-215		Pre-job brief completed	1		14JAN08	14JAN08	22OCT07	1,143		0.00	0.00	■ Viola												
R1802-217		Station 2 operational	0			14JAN08	23OCT07	1,143	50	0.00	0.00	▼ Viola												
<b>Station 3 procedures,JHA,ACC,Training,Prep</b>																								
R1802-307		Procedures written & approved	10		01FEB08	14FEB08	28JAN08	-75		0.00	0.00	■ Viola												
R1802-309		JHA completed	6		15FEB08	22FEB08	05FEB08	-75		0.00	0.00	■ Viola												
R1802-311		Training needs identified & released	6		25FEB08	03MAR08	13FEB08	-75		0.00	0.00	■ Viola												
R1802-313		ACC review completed	6		04MAR08	11MAR08	21FEB08	-75		0.00	0.00	■ Viola												
R1802-315		Pre-job brief completed	6		12MAR08	19MAR08	29FEB08	-75		0.00	0.00	■ Viola												
<b>Station 5 procedures,JHA,ACC,Training,Prep</b>																								
R1802-507		Procedures written & approved	14		09JUN08	26JUN08	05MAY08	39		0.00	0.00	■ Viola												
R1802-509		JHA completed	6		27JUN08	07JUL08	13MAY08	39		0.00	0.00	■ Viola												
R1802-519		Fixtures installed	6		08JUL08	15JUL08	21MAY08	39		0.00	0.00	■ Viola												
R1802-511		Training needs identified & released	6		16JUL08	23JUL08	30MAY08	39		0.00	0.00	■ Viola												
R1802-513		ACC review completed	7		24JUL08	01AUG08	10JUN08	39		0.00	0.00	■ Viola												
R1802-515		Pre-job brief completed	7		04AUG08	12AUG08	19JUN08	39		0.00	0.00	■ Viola												
<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	■												
R1810-001		LOE Crane support, fixture setupfor FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	64,854.45	64,854.45	■ EM/TB =863hr ;												
R1810-003		LOE Crane support, fixture setupfor FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	38,494.33	165,923.83	■ 1.2 fte												
R1810-004		LOE Crane support, fixture setupfor FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	192,599.92	■												
R1810-005		LOE Field Supervision for FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	96,036.83	96,036.83	■ EE/SM =719hr ;												
R1810-007		LOE Field Supervision for FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	57,017.51	245,765.14	■ 1.0 fte												
R1810-008		LOE Field Supervision for FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	285,266.98	■												
R1810-008S		LOE Field Supervision for 2nd shft 1.0 fte	203*	2	30JAN09*	13NOV09	13NOV09	718	LOE	0.00	206,388.38	■												
R1810-009		LOE Metrology sprt FY07 1.5 fte EM & 1.0 fte TB	106*		01MAY07A	28SEP07A	28SEP07		LOE	197,832.33	197,832.33	■ 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	178,897.06	771,108.00	■ EM/EM = 3600 hr ; EM/												
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	■												
R1810-013		Misc M&S FY07	106*		01MAY07A	28SEP07A	28SEP07		LOE	19,140.00	19,140.00	■ 41=15\$K ;												
R1810-015		Misc M&S FY08	250*		01OCT07A	30SEP08	30SEP08	999	LOE	10,924.42	47,088.00	■ 41=36\$K ;												
R1810-016		Misc M&S FY09	281*		01OCT08*	13NOV09	13NOV09	718	LOE	0.00	57,664.57	■												
R1810-099		Station 5 complete	0			20JUL10	13NOV09	553		0.00	0.00	■												



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09				
<b>Station 1-VV Prep (hard surface components) FP#1</b>																						
R1810-1105		Instl cooling lines & Weld cooling/htg risers	31	1	01MAY07A	13JUN07A	13JUN07		100	49,145.00	49,145.00											
R1810-1107		Verify Instl of H/C lines,headers,manifolds	5	1	14JUN07A	20JUN07A	20JUN07		100	7,515.00	7,515.00											
R1810-1115		Purchase pump	20	1	02JUL07A	19JUL07A	19JUL07		100	5,104.00	5,104.00											
R1810-1108		Perform final acceptance testing (H/C flow test)	3*	1	16JAN08	18JAN08	26JUL07	227		0.00	8,011.00											
R1810-1109		Loop termination & verification	32*	1	02JUL07A	15AUG07A	18SEP07		100	27,054.00	27,054.00											
R1810-1112		Trim seal plates	2	1	03DEC07A	21DEC07A	02OCT07		100	3,204.40	3,204.40											
R1810-1110		Install Final Internal&Ext monuments & meas	4	1	04MAR08	07MAR08	14JAN08	-7		0.00	6,408.80											
R1810-1111		Final Scan	4	1	10MAR08	13MAR08	18JAN08	-7		0.00	6,408.80											
R1810-1114		Install heater tape on all removable ports	20	1	14MAR08	10APR08	15FEB08	-7		0.00	16,022.00											
R1810-1113		Prepare & transfer completed VV to holding area	2	1	11APR08	14APR08	19FEB08	-7		0.00	3,204.40											
<b>Station 1- VV Prep (hrd surf cmpntsFP#2</b>																						
R1810-1203		Misc Hardware	185*		01JUN07A	29FEB08	08FEB08	1,148	LOE	1,986.77	2,586.94											
R1810-1209		Install cooling/htg lines to vac vsl	15	1	01MAY07A	21MAY07A	21MAY07		100	22,545.00	22,545.00											
R1810-1211		Weld cooling/htg risers	16	1	22MAY07A	13JUN07A	13JUN07		100	26,600.00	26,600.00											
R1810-1213		Verify Instl of H/C lines,headers,manifolds	5	1	14JUN07A	20JUN07A	20JUN07		100	7,515.00	7,515.00											
R1810-1208		Perform final acceptance testing (H/C flow test)	5	1	09JAN08	15JAN08	27JUN07	227		0.00	13,243.00											
R1810-1212		Trim seal plates	2	1	03DEC07A	21DEC07A	29OCT07		100	3,204.40	3,204.40											
R1810-1215		Loop termination & verification	18	1	26JUL07A	28SEP07A	21DEC07		100	27,054.00	27,054.00											
R1810-1216		Install Final Internal&Ext monuments & meas	4	1	21JAN08	24JAN08	07JAN08	227		0.00	6,408.80											
R1810-1217		Final Scan	4	1	25JAN08	30JAN08	11JAN08	227		0.00	6,408.80											
R1810-1214		Install heater tape on all removable ports	20	1	31JAN08	27FEB08	08FEB08	227		0.00	16,022.00											
R1810-1219		Prepare& transfer completed VV to holding area	2	1	28FEB08	29FEB08	12FEB08	227		0.00	3,204.40											
<b>Station 1- VV Prep (hrd surf cmpntsFP#3</b>																						
R1810-1303		Misc Hardware	208*		15MAY07A	17MAR08	28NOV07	1,137	LOE	1,913.98	2,586.46											
R1810-1304		Layout diag & coolant paths on vessel	12	1	01MAY07A	16MAY07A	16MAY07		100	18,036.00	18,036.00											
R1810-1305		Install heater tape on vertical ports	7	1	17MAY07A	25MAY07A	25MAY07		100	10,521.00	10,521.00											
R1810-1307		Verify installation of heater tapes	1	1	01JUN07A	29JUN07A	02JUL07		100	1,503.00	1,503.00											
R1810-1309		Attach studs forcoolant lines	3	1	01JUN07A	29JUN07A	06JUL07		100	4,509.00	4,509.00											
R1810-1300		Install Templates	3	1	01JUN07A	29JUN07A	27JUN07		100	4,509.00	4,509.00											
R1810-1311		Wind magnetic diagnostic sensors	25*	1	25JUN07A	30JUL07A	30JUL07		100	21,042.00	21,042.00											
R1810-1313		Install precision magnetic diagnostic sensors	28*	1	25JUN07A	31JUL07A	02AUG07		100	4,509.00	4,509.00											
R1810-1315		Verify installation magnetic diagnostic sensors	8	1	30JUL07A	24SEP07A	08AUG07		100	6,012.00	6,012.00											
R1810-1317		Install local I&C (incl thermocouples)	5	1		15AUG07A	15AUG07		100	7,515.00	7,515.00											
R1810-1319		Verify installation of local I&C	2	1		17AUG07A	17AUG07		100	3,006.00	3,006.00											
R1810-1321		10Install cooling/htg lines to vac vsl	37*	1	01AUG07A	21SEP07A	31AUG07		100	22,545.00	22,545.00											
R1810-1323		Weld cooling/htg risers	10	1	15OCT07A	26OCT07A	17SEP07		100	25,635.20	25,635.20											
R1810-1325		Verify Instl of H/C lines,headers,manifolds	5	1		12SEP07A	24SEP07		100	7,515.00	7,515.00											

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09					
R1810-1308		Perform final acceptance testing (H/C flow test)	5	1	02JAN08*	08JAN08	01OCT07	227		0.00	8,011.00												
R1810-1312		Trim seal plates	2	1	03DEC07A	21DEC07A	31OCT07		100	3,204.40	3,204.40												
R1810-1327		Loop termination & verification	18	1		28SEP07A	25JAN08		100	27,054.00	27,054.00												
R1810-1328		Install Final Internal&Ext monuments & meas	4	1	21JAN08	24JAN08	31JAN08	318		0.00	6,408.80												
R1810-1329	3	Final Scan of VVSA #3 Station 1 complete	4	1	25JAN08	30JAN08	06FEB08	318		0.00	6,408.80												
R1810-1314		Install heater tape on all removable ports	20	1	15FEB08*	13MAR08	13MAR08	287		0.00	16,022.00												
R1810-1331		Prepare & transfer completed VV to holding area	2	1	14MAR08	17MAR08	17MAR08	287		0.00	3,204.40												
<b>Station 1-Spool pieces (3) (spacers)</b>																							
R1810-1S03		Attachdiagnostics, studs and coolant lines	17	1	03NOV08*	25NOV08	25NOV08	298		0.00	28,036.40												
R1810-1S04		Install Final Internal&Ext monuments & meas	2	1	26NOV08	01DEC08	01DEC08	298		0.00	3,298.40												
<b>Station 2 Trials &amp; Development</b>																							
<b>Water jet cut A/B flange weld test</b>																							
INTRF-035		PPPL Determine shim material	23		01MAY07A	01JUN07A	01JUN07		100	6,969.20	6,969.20												
INTRF-001		PPPL buy SS plate for weld trials	10		04JUN07A	15JUN07A	15JUN07		100	40,762.56	40,762.56												
PHIL-02		weld shim DXF files complete	1		02JUL07A	02JUL07A	28JUN07		100	0.00	0.00												
PHIL-03		complete CAD model of weld test specimen	1		06JUL07A	06JUL07A	06JUL07		100	0.00	0.00												
PHIL-04		1100water jet cut shims for A/B flange weld test	3		11JUL07A	11JUL07A	11JUL07		100	1,803.60	1,803.60												
PHIL-05		1solution anneal shims (note: shims not ground).	1		04SEP07A	04SEP07A	12JUL07		100	991.36	991.36												
PHIL-06		assemble shims&flanges;grind relief in flanges	3		17JUL07A	17JUL07A	17JUL07		100	3,607.20	3,607.20												
PHIL-07		weld & monitor distortion; improvise clamping	3		20JUL07A	20JUL07A	20JUL07		100	3,607.20	3,607.20												
PHIL-08		analyze results at PPPL	2		24JUL07A	24JUL07A	24JUL07		100	0.00	0.00												
PHIL-09		analyze welds at EWI	10		01AUG07A	28SEP07A	07AUG07		100	0.00	0.00												
<b>Casting Weld Tests</b>																							
PHIL-11		Mount A6 on angle plate	1			02JUL07A	25JUN07		100	1,202.40	1,202.40												
PHIL-12		Weld fiducials on A6 & B6	2			11JUL07A	11JUL07		100	2,404.80	2,404.80												
PHIL-13		Measure A6 casting	2			13JUL07A	13JUL07		100	0.00	0.00												
PHIL-14		Develop metrology plan for station 2	9*		01JUN07A	08OCT07A	31AUG07		100	0.00	0.00												
PHIL-15		Remove A6 & lower & grout wedge	4			19JUL07A	19JUL07		100	4,809.60	4,809.60												
PHIL-16		Re-mount A6 on wedge	2			23JUL07A	23JUL07		100	2,404.80	2,404.80												
PHIL-17		Re-measure A6	2			25JUL07A	25JUL07		100	0.00	0.00												
PHIL-18		Measure B6 on wedge	2			27JUL07A	27JUL07		100	2,404.80	2,404.80												
PHIL-19		Place B6 on A6; Meas B6 casting use A6 as base	2			31JUL07A	31JUL07		100	0.00	0.00												
PHIL-20		Complete CAD model for dimensional ref.	3			31JUL07A	03AUG07		100	0.00	0.00												
PHIL-21		Prepare angle plate dogs & chocks	4			13JUL07A	13JUL07		100	4,809.60	4,809.60												
PHIL-22		Water jet cut outboard 0,5" stk 316 SS shims	4			17JUL07A	17JUL07		100	2,404.80	2,404.80												
PHIL-23		Water jet cut inboard 0.625 316 SS	3			20JUL07A	20JUL07		100	1,803.60	1,803.60												
PHIL-24		Assemble castings,align torque&meas inbd. shims	4			26JUL07A	26JUL07		100	4,809.60	4,809.60												
PHIL-25		Purchase (2) grinding machines	45		02JAN08*	04MAR08	14SEP07	1,146		0.00	52,320.00												
PHIL-26		Grind inbd. Shims to thickness (outside shop)	4			31JUL07A	01AUG07		100	1,276.00	1,276.00												
PHIL-27		Solution anneal shims	2			31JUL07A	03AUG07		100	1,982.72	1,982.72												

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09				
PHIL-28		bushing drawings complete	0			29JUN07A	29JUN07		100	0.00	0.00											
PHIL-29		fabricate stock bushings	5			13JUL07A	13JUL07		100	0.00	0.00											
PHIL-30		Zenex - fabricate eccentric bushings	5			13JUL07A	13JUL07		100	1,658.80	1,658.80											
PHIL-31		Receive hardware - studs, washers	14*			20AUG07A	19JUL07		100	0.00	0.00											
PHIL-32		Align castings	2			31JUL07A	31JUL07		100	2,404.80	2,404.80											
PHIL-33		Fit&install bushings 25% stock, 25% eccentric	5			31JUL07A	07AUG07		100	6,012.00	6,012.00											
PHIL-34		Weld procedure/weld qual.	7			17JUL07A	17JUL07		100	4,208.40	4,208.40											
PHIL-35		Purchase weld on strain gauges	14			26JUL07A	26JUL07		100	0.00	0.00											
PHIL-36		Install strain gauges	5			07AUG07A	02AUG07		100	4,956.80	4,956.80											
PHIL-37		Set up dial ind., CMM, transit system	26*		02JUL07A	07AUG07A	07AUG07		100	3,006.00	3,006.00											
PHIL-38		Install all shims and adjust bushings	2			31JUL07A	07AUG07		100	2,404.80	2,404.80											
PHIL-39		Final align and baseline measurements	3			23AUG07A	10AUG07		100	5,410.80	5,410.80											
PHIL-40		Perform 25% of welding & measure	2			27AUG07A	14AUG07		100	2,404.80	2,404.80											
PHIL-41		Perform 50% of welding & measure	2			29AUG07A	16AUG07		100	2,404.80	2,404.80											
PHIL-42		Perform 75% of welding & measure	2			31AUG07A	20AUG07		100	2,404.80	2,404.80											
PHIL-43		finish welding & measure	2			05SEP07A	22AUG07		100	2,404.80	2,404.80											
PHIL-44		Analyze data; write report	14		19SEP07A	28SEP07A	12SEP07		100	0.00	0.00											
R1810-2050		Consulting support for welding trials	63*		02JUL07A	28SEP07A	12SEP07		100	89,320.00	89,320.00											
R1810-2003		Trial tensioning test on prototype with UT	3	1		11JUL07A	11JUL07		100	6,834.00	6,834.00											
R1810-2005		Trial bushing and shim test on prototype	12	1		31JUL07A	31JUL07		100	20,588.00	20,588.00											
R1810-2011		Alignment mechanisms, metro equip & positioning	390*	1	04SEP07A	31MAR09	31MAR09	878	LOE	12,417.66	63,033.85											
R1810-2013		Procure alignment mechanisms, fiducials, lifting	390*	1	04SEP07A	31MAR09	31MAR09	878	LOE	12,921.30	65,590.33											
R1810-2052		Bushing test B-C	7	1		26JUL07A	26JUL07		100	8,416.80	8,416.80											
R1810-2017		Determine fiducial types&locations	40*	1	01JUN07A	27JUL07A	23JUL07		100	19,085.00	19,085.00											
R1810-2001		Misc Hardware and hardware rework (1/2 fte loe)	260*	1	01MAY07A	14MAY08	14MAY08	1,095	LOE	55,473.65	87,913.87											
<b>Setup</b>																						
R1810-2023		Install FIRST Holding 20 deg fixture	0	1		31JUL07A	12JUL07		100	8,564.00	8,564.00											
R1810-2025		Install SECOND Holding 20 deg fixture	0	1		31JUL07A	03AUG07		100	7,061.00	7,061.00											
R1810-2027		Install THIRD Holding 20 deg fixture	6	1	02JAN08*	09JAN08	13AUG07	1,157		0.00	12,229.20											
R1810-2029		Install LAST Holding 20 deg fixture	3	1	10JAN08*	14JAN08	16AUG07	1,157		0.00	7,422.60											
R1810-2004		Receive Drawings & Hardware (shims & Bolts)	7	1		23OCT07A	20SEP07		100	11,215.40	11,215.40											
R1810-2006		Surface grind set of metal shims for qualifcat	4	1	17DEC07A	21DEC07A	20SEP07		100	19,226.40	19,226.40											
R1810-207		Compress alumina shims and sort	6	1	10JAN08*	17JAN08	28SEP07	1,158		0.00	9,613.20											
R1810-209		Perform metrology setup & checks	22	1	01OCT07A	16JAN08A	09OCT07		100	8,011.00	8,011.00											
R1810-2021		Tools&tooling available for FPA operations	16*	1	14DEC07A	15JAN08	20AUG07	1,157	50	4,872.20	9,744.40											
R1810-2002		Test out Equip & Procedures	28*	1	03DEC07A	18JAN08	10OCT07	1,154	50	5,607.70	11,215.40											
R1810-2108		HARDWARE,DRAWINGS,& PROCURES AVAILABLE STATION	0	1		30JAN08	23OCT07	1,146		0.00	0.00											

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09				
<b>Pre-Measuring and fitup checks</b>																						
<b>Pre measurement of MCHP A1,B1,C1 flanges</b>																						
S21-1.01		Verify mating MC's A1,B1,C1	51*	1	22OCT07A	11JAN08	25JUL07	1,146	0	0.00	6,408.80											EM/TB =80hr ;
S21-1.02		Epoxy paint all close fitting interfacing surfac	3	1	01OCT07A	03OCT07A	30JUL07		100	4,806.60	4,806.60											EM/TB =60hr ;
S21-2.01		Set B1 on pre-measured fixt, "B" side down	1	1			31JUL07A	31JUL07	100	1,503.00	1,503.00											EM/TB =20hr ;
S21-2.02		Align to the conical seats locking into of 8	2	1			02AUG07A	02AUG07	100	0.00	0.00											ZMET =40 ;
S21-2.03		Estab global coord sys on mc geometry. Meas monu	7	1			13AUG07A	13AUG07	100	0.00	0.00											ZMET =140 ;
S21-2.04		Meas tooling ball monuments on winding form.	1	1			14AUG07A	14AUG07	100	0.00	0.00											ZMET =20 ;
S21-2.05		Scan the "A" flange of the Type-B1 coil.	1	1			15AUG07A	15AUG07	100	0.00	0.00											ZMET =20 ;
S21-2.07		Remove B1 coil from stand	1	1			16AUG07A	16AUG07	100	1,503.00	1,503.00											EM/TB =20hr ;
S21-2.08		Measure A1 "A" flange	14	1	07SEP07A	26SEP07A	06SEP07		100	3,006.00	3,006.00											EM/TB =40hr ; ZMET =220 ;
S21-2.11		Measure C1 "A" flange	13	1	27SEP07A	28SEP07A	25SEP07		100	3,006.00	3,006.00											EM/TB =40hr ; ZMET =220 ;
S21-2.14		Measure Type A2 "A" flange	13	1	14JAN08	30JAN08	12OCT07	1,146		0.00	3,204.40											EM/TB =40hr ; ZMET =220 ;
S21-3.02		Grind shims first article /assy process qu	4	1	23OCT07A	26OCT07A	18OCT07		100	6,408.80	6,408.80											EM/TB =80hr ;
S21-4.02		Perform metrology set-up and checks	2	1	29OCT07A	30OCT07A	22OCT07		100	0.00	0.00											ZMET =40 ;
S21-3.03		Ready For Preassembly A1B1C1	0	1			30OCT07A	22OCT07	100	0.00	0.00											
<b>Pre measurement of MCHP A2,B2,C2 flanges</b>																						
S22-1.01		Verify mating MC's of MCHP will come together	1*		31JAN08*	31JAN08	26OCT07	1,169	0	0.00	6,408.80											EM/TB =80hr ;
S22-1.02		Epoxy paint all close fitting interfacing surfac	3		22OCT07A	25OCT07A	31OCT07		100	4,806.60	4,806.60											EM/TB =60hr ;
S22-2.08		Measure B2 "A" flange	14	1	08OCT07A	30OCT07A	20NOV07		100	3,204.40	3,204.40											EM/TB =40hr ; ZMET =220 ;
S22-2.11		Measure C2 "A" flange	13	1	08OCT07A	30OCT07A	11DEC07		100	3,204.40	3,204.40											EM/TB =40hr ; ZMET =220 ;
S22-2.14		Measure Type A2 "A" flange	13	1	08OCT07A	31OCT07A	08JAN08		100	3,204.40	3,204.40											EM/TB =40hr ; ZMET =220 ;
S22-3.02		Compress alumina shims sort by thickness	4		14JAN08*	17JAN08	14JAN08	-96	0	0.00	6,408.80											EM/TB =80hr ;
S22-4.02		Perform metrology set-up and checks	2		18JAN08	21JAN08	16JAN08	-96		0.00	0.00											ZMET =40 ;
S22-4.03		Ready For Preassembly A2B2C2	0				21JAN08	16JAN08	-96	0.00	0.00											
<b>Pre measurement of MCHP A3,B3,C3 flanges</b>																						
S23-1.01		Verify mating MC's of MCHP will come together	4		22JAN08	25JAN08	22JAN08	-19		0.00	6,408.80											EM/TB =80hr ;
S23-1.02		Epoxy paint all close fitting interfacing surfac	3		01NOV07A	30NOV07A	25JAN08		100	4,806.60	4,806.60											EM/TB =60hr ;
S23-2.01		Set the A3 coil on fixture, A side flange down	1		01NOV07A	30NOV07A	28JAN08		100	1,602.20	1,602.20											EM/TB =20hr ;
S23-2.02		Align to the conical seats locking into min of 8	2		01NOV07A	30NOV07A	30JAN08		100	0.00	0.00											ZMET =40 ;
S23-2.03		Measure monuments on fixture and walls.	7		01NOV07A	30NOV07A	08FEB08		100	0.00	0.00											ZMET =140 ;
S23-2.04		Measure tooling ball monuments	1		01NOV07A	30NOV07A	11FEB08		100	0.00	0.00											ZMET =20 ;
S23-2.05		Scan the B flange of A3	1		01NOV07A	30NOV07A	12FEB08		100	0.00	0.00											ZMET =20 ;
S23-2.07		Remove A3 move to holding area.	1		01NOV07A	30NOV07A	13FEB08		100	1,602.20	1,602.20											EM/TB =20hr ;
S23-2.08		Measure B3 "A" flange	14		01NOV07A	30NOV07A	04MAR08		100	3,204.40	3,204.40											EM/TB =40hr ; ZMET =220 ;
S23-2.11		Measure C3 "A" flange	13		28JAN08	13FEB08	21MAR08	-19		0.00	3,204.40											EM/TB =40hr ; ZMET =220 ;
S23-2.14		Measure Type A3-A4 "A" flange	13		14FEB08	03MAR08	09APR08	-19		0.00	3,204.40											EM/TB =40hr ; ZMET =220 ;
S23-3.02		Compress alumina shims sort by thickness	4		04MAR08	07MAR08	15APR08	-19		0.00	4,806.60											EM/TB =60hr ;
S23-4.02		Perform metrology set-up and checks	2		10MAR08	11MAR08	17APR08	-19		0.00	0.00											ZMET =40 ;
S23-4.03		Ready For Preassembly A3B3C3	0		12MAR08	11MAR08	17APR08	-19		0.00	0.00											



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07												FY08												FY09														
Pre measurement of MCHP A4,B4,C4 flanges																																																		
S24-1.01		Verify mating MC's of MCHP will come together	4		12MAR08	17MAR08	23APR08	-19		0.00	6,408.80													EM//TB =80hr ;																										
S24-1.02		Epoxy paint all close fitting interfacing surfac	3		18MAR08	20MAR08	28APR08	-19		0.00	4,806.60													EM//TB =60hr ;																										
S24-2.08		Measure B4 "A" flange	14	1	21MAR08	09APR08	16MAY08	-19		0.00	3,204.40													█EM//TB =40hr ; ZMET =220																										
S24-2.11		Measure C4 "A" flange	13	1	01NOV07A	30NOV07A	05JUN08		100	3,204.40	3,204.40													█EM//TB =40hr ; ZMET =220 ;																										
S24-2.14		Measure Type A3-A4 "A" flange	13	1	10APR08	28APR08	24JUN08	-19		0.00	3,204.40													█EM//TB =40hr ; ZMET =220																										
S24-3.02		Compress alumina shims sort by thickness	4		29APR08	02MAY08	30JUN08	-19		0.00	6,408.80													EM//TB =80hr ;																										
S24-4.02		Perform metrology set-up and checks	2		05MAY08	06MAY08	02JUL08	-19		0.00	0.00													ZMET =40 ;																										
S24-4.03		Ready For Preassembly A4B4C4	0		07MAY08	06MAY08	02JUL08	-19		0.00	0.00																																							
Pre measurement of MCHP A5,B5,C5 flanges																																																		
S25-1.01		Verify mating MC's of MCHP will come together	4		07MAY08	12MAY08	09JUL08	-19		0.00	6,408.80													█EM//TB =80hr ;																										
S25-1.02		Epoxy paint all close fitting interfacing surfac	3		13MAY08	15MAY08	14JUL08	-19		0.00	4,806.60													EM//TB =60hr ;																										
S25-2.01		Set the A5 coil on fixture, A side flange down	1		16MAY08	16MAY08	15JUL08	-19		0.00	1,602.20													EM//TB =20hr ;																										
S25-2.02		Align to the conical seats locking into min of 8	2		19MAY08	20MAY08	17JUL08	-19		0.00	0.00													ZMET =40 ;																										
S25-2.03		Measure monuments on fixture and walls.	7		21MAY08	30MAY08	28JUL08	-19		0.00	0.00													█ZMET =140 ;																										
S25-2.04		Measure tooling ball monuments	1		02JUN08	02JUN08	29JUL08	-19		0.00	0.00													ZMET =20 ;																										
S25-2.05		Scan the B flange of A5	1		03JUN08	03JUN08	30JUL08	-19		0.00	0.00													ZMET =20 ;																										
S25-2.07		Remove A5 move to holding area.	1		04JUN08	04JUN08	31JUL08	-19		0.00	1,602.20													EM//TB =20hr ;																										
S25-2.08		Measure B5 "A" flange	14		05JUN08	24JUN08	20AUG08	-19		0.00	3,204.40													█EM//TB =40hr ; ZMET =220																										
S25-2.11		Measure C5 "A" flange	13		25JUN08	14JUL08	09SEP08	-19		0.00	3,204.40													█EM//TB =40hr ; ZMET =220																										
S25-2.14		Measure Type A5-A6 "A" flange	13		15JUL08	31JUL08	26SEP08	-19		0.00	3,204.40													█EM//TB =40hr ; ZMET =220																										
S25-3.02		Compress alumina shims sort by thickness	4		01AUG08	06AUG08	02OCT08	-19		0.00	4,806.60													EM//TB =60hr ;																										
S25-4.02		Perform metrology set-up and checks	2		07AUG08	08AUG08	06OCT08	-19		0.00	0.00													ZMET =40 ;																										
S25-4.03		Ready For Preassembly A5B5C5	0		11AUG08	08AUG08	06OCT08	-19		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		11AUG08	14AUG08	10OCT08	-19		0.00	6,408.80													EM//TB =80hr ;																										
S26-1.02		Epoxy paint all close fitting interfacing surfac	3		15AUG08	19AUG08	15OCT08	-19		0.00	4,806.60													EM//TB =60hr ;																										
S26-2.08		Measure B6 "A" flange	14	1	20AUG08	09SEP08	04NOV08	-19		0.00	3,204.40													█EM//TB =40hr ; ZMET =220																										
S26-2.11		Measure C6 "A" flange	13	1	10SEP08	26SEP08	21NOV08	-19		0.00	3,204.40													█EM//TB =40hr ; ZMET =220																										
S26-2.14		Measure Type A5-A6 "A" flange	13	1	29SEP08	15OCT08	12DEC08	-19		0.00	3,283.94													█EM//TB =40hr ; ZMET =220																										
S26-3.02		Compress alumina shims sort by thickness	4		16OCT08	21OCT08	18DEC08	-19		0.00	6,596.80													EM//TB =80hr ;																										
S26-4.02		Perform metrology set-up and checks	2		22OCT08	23OCT08	22DEC08	-19		0.00	0.00													ZMET =40 ;																										
S26-4.03		Ready For Preassembly A6B6C6	0		24OCT08	23OCT08	22DEC08	-19		0.00	0.00																																							
Station 2-MC Sub Assy A1-B1-C1																																																		
Station 2c (1st 20 deg wedge)																																																		
S21-5.00Z		BEGIN A-B Pre-assembly	0	1		21DEC07A			100	0.00	0.00																																							
2-1-4.02		Perform metrology set-up and checks	1	1	02JAN08A	03JAN08A			100	0.00	0.00																																							
2-1-6.01		Follow the steps defined in Section 2 of the Me	5	1	02JAN08*	08JAN08		-131		0.00	1,602.20																																							
2-1-6.02		Using the Type-A (B-flange) inboard shim templa	1	1	09JAN08	09JAN08		-131		0.00	1,602.20																																							
2-1-6.03		Place an initial set of alumina shims (4-8) on	1	1	21JAN08*	21JAN08		-138		0.00	0.00																																							
2-1-6.05		Lower the mating δBö coil into position.	1	1	22JAN08	22JAN08		-138		0.00	1,602.20																																							











Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09				
2-2-7.19		After welding the "B" coil nose shims recheck a	1	1	05JUN08	05JUN08		-131		0.00	0.00											
2-2-7.2		Time needs to be allocated for a back office as	1	1	06JUN08	06JUN08		-131		0.00	0.00											
2-2-7.21		On the separate fixture measure the "C" fiducia	1	1	09JUN08	09JUN08		-131		0.00	0.00											
2-2-7.22		With the successful "A / B" coil weld operation	1	1	10JUN08	10JUN08		-131		0.00	1,602.20											
2-2-7.23		After welding the "C" coil nose shims recheck t	1	1	11JUN08	11JUN08		-131		0.00	0.00											
2-2-7.24		Time needs to be allocated for a back office as	1	1	12JUN08	12JUN08		-131		0.00	0.00											
2-2-7.25		Remove alumina shims as necessary except for th	0	1	13JUN08	12JUN08		-131		0.00	0.00											
2-2-7.26		Lower the mating ôCö coil into position.	1	1	13JUN08	13JUN08		-131		0.00	1,602.20											
2-2-7.261		Perform an alignment to the ôCö coil tooling ba	1	1	16JUN08	16JUN08		-131		0.00	0.00											
2-2-7.27		Using three selected monuments on the ôCö coil,	1	1	17JUN08	17JUN08		-131		0.00	1,602.20											
2-2-7.28		Raise the "C" coil slightly and install the rem	1	1	18JUN08	18JUN08		-131		0.00	1,602.20											
2-2-7.29		Make a hand "wiggle" test (rotate on bolt) on a	1	1	19JUN08	19JUN08		-131		0.00	801.10											
2-2-7.3		After tightening, measure the position of all m	1	1	20JUN08	20JUN08		-131		0.00	2,403.30											
2-2-7.31		If the above step does not fall within .015" or	1	1	23JUN08	23JUN08		-131		0.00	1,602.20											
2-2-7.32		One hole at a time, remove the supernut. Using	2	1	24JUN08	25JUN08		-131		0.00	3,204.40											
2-2-7.33		After super bolt tightening, measure the positi	1	1	26JUN08	26JUN08		-131		0.00	0.00											
2-2-7.36		Tighten all bolts to their final torque.	1	1	27JUN08	27JUN08		-131		0.00	801.10											
2-2-7.37		After tightening hardware, measure the position	1	1	30JUN08	30JUN08		-131		0.00	0.00											
2-2-7.38		Weld the B / C nose region solenoid side follow	2	1	01JUL08	02JUL08		-131		0.00	3,204.40											
2-2-7.39		Measure the positions of all monuments per the	1	1	03JUL08	03JUL08		-131		0.00	0.00											
2-2-7.4		Back office of above results and adjust wing su	2	1	07JUL08	08JUL08		-131		0.00	0.00											
2-2-7.41		Fill all lose bushings with Stycast 2850FT	1	1	09JUL08	09JUL08		-131		0.00	1,602.20											
2-2-8.01		Fill all wing bladders and cure	1	1	10JUL08	10JUL08		-131		0.00	1,602.20											
2-2-10.03		Inject stycast or some compound to fill in all	1	1	11JUL08	11JUL08		-131		0.00	1,602.20											
2-2-11.01		Measure the tooling balls on all coils. Save t	2	1	14JUL08	15JUL08		-131		0.00	0.00											
2-2-11.02		Install or identify three primary fiducials tha	2	1	16JUL08	17JUL08		-131		0.00	0.00											
2-2-11.03		Scan the ôBö flange of Type-C coil as well as t	3	1	18JUL08	22JUL08		-131		0.00	0.00											
2-2-11.04		Using tension tester measure bolt length on all	1	1	23JUL08	23JUL08		-131		0.00	1,602.20											
2-2-11.05		Mark part for identification	0	1	24JUL08	23JUL08		-131		0.00	0.00											
2-2-11.06		Install lift support beams	2	1	24JUL08	25JUL08		-131		0.00	3,204.40											
2-2-11.07		Remove from stand and measure weight of complet	2	1	28JUL08	29JUL08		-131		0.00	3,204.40											
2-2-11.08		Make final metrology measurement of all fiducia	5	1	30JUL08	05AUG08		-131		0.00	0.00											
2-2-11.09		Using tension tester measure bolt length on all	8	1	06AUG08	15AUG08		-131		0.00	0.00											
<b>Station 2-Modular Coil Subassembly-FP#2</b>																						
S23-A3B3C3		Assemble/Align Mod-Coils A3/B3/C3	150	1	23JUL08	03MAR09	26NOV08	-67		0.00	173,596.21											
S24-A4B4C4		Assemble/Align Mod-Coils A4/B4/C4	144	1	26AUG08	27MAR09	18NOV08	-67		0.00	109,539.44											
<b>Station 2-Modular Coil Subassembly-FP#3</b>																						
S25-A5B5C5		Assemble/Align Mod-Coils A5/B5/C5 (under 1 shift	86	1	05NOV08*	17MAR09	16FEB09	-32		0.00	125,174.28											
S25A5B5C52		Assemble/Align Mod-Coils A5/B5/C5 (under 2 shift	52	1	18MAR09*	29MAY09	16MAR09	-32		0.00	50,053.22											



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07												FY08												FY09														
S26-A6B6C6		Assemble/Align Mod-Coils A6/B6/C6	76	1	05JAN09*	20APR09	19FEB09	-61		0.00	56,732.48																									EM/TB =68														
S26A6B6C62		Assemble/Align Mod-Coils A6/B6/C6	62	1	21APR09*	17JUL09	25MAR09	-61		0.00	53,351.62	EM/TB												=647hr ; ZMET												=300 ;														
<b>Station 3 Setup/Preparations/General</b>																																																		
R1810-2109		Begin Station 3	0	1	20MAR08*			-75		0.00	0.00																																							
R1810-3102		Misc M&S	65	1	03APR08*	03JUL08	03JUL08	1,060		0.00	6,540.00																									41=05\$K ;														
S31-1.01		Install Station 3 site monuments	3	1	20MAR08	24MAR08	05MAR08	-75		0.00	7,422.60																									41=02\$K ; EM//TB =60hr ;														
R1810-3104		Procure 3 legged actuator system	20	1	01SEP07A	28SEP07A	26OCT07		100	54,868.00	54,868.00																									41=48\$K ;														
S31-1.02		Install floor mounted tracks and VV base support	5	1	23JUN08	27JUN08	12MAR08	-138		0.00	9,319.00																									41=01\$K ; EM//TB =100hr														
R1810-3106		Load test 3 ledged actuator system	3	1	02JAN08	04JAN08	31OCT07	-22		0.00	7,690.56																									EM//TB =96hr ;														
R1810-3108		Procure ,Fabricate 3 legged actuator lift fixtur	20	1	02JAN08*	29JAN08	26OCT07	-47		0.00	7,848.00																									41=06\$K ;														
R1810-3112		Load Test 3 legged actuator lift fixtur	8	1	30JAN08	08FEB08	07NOV07	-47		0.00	10,254.08																									EM//TB =128hr ;														
S31-1.03		Establish the MCHP CG location.	2	1	30JUN08	01JUL08	14MAR08	-138		0.00	3,204.40																									EM//TB =40hr ;														
R1810-3150		Fab New legs	4	1	02JAN08*	07JAN08	04OCT07	-33		0.00	5,127.04																									EM//TB =64hr ;														
S31-2.01		Install MCHP support cart assemblies	5	1	02JUL08	09JUL08	20MAR08	-138		0.00	6,408.80																									EM//TB =80hr ;														
R1810-3103		Install station 3 platforms (8 required)	4	1	08JAN08	11JAN08	23NOV07	-33		0.00	22,052.32																									EM//TB =112hr ; 41=10\$K ;														
R1810-3107		Test out station 3 equipment and procedures	4	1	14JAN08	17JAN08	03DEC07	-33		0.00	13,080.00																									EM//TB =80hr ; 41=10\$K ;														
R1810-3109		Begin assy of first field period assy	2	1	18JAN08	21JAN08	05DEC07	-33		0.00	52,320.00																									EM//TB =40														
S31-2.02		Verify cart motion.	4	1	10JUL08	15JUL08	24MAR08	-138		0.00	3,204.40																									EM//TB =40hr ;														
S31-2.03		Install adjustor bar support weldment	5	1	16JUL08	22JUL08	24MAR08	-138		0.00	0.00																									EM//TB =00hr ;														
<b>Station 3-Assemble Mod Coils and VVSA-FP#1</b>																																																		
S31-2.04		Position left MCHP on the cart assembly	15	1	23JUL08	12AUG08	12MAY08	-138		0.00	1,602.20																									EM//TB =20hr ;														
S31-2.05		Secure left MCHP on support cart base.	7	1	13AUG08	21AUG08	14MAY08	-138		0.00	3,204.40																									EM//TB =40hr ;														
S31-2.06		Measure monuments on left MCHP and walls	1	1	22AUG08	22AUG08	21MAY08	-138		0.00	0.00																									EM//TB =00hr ; ZMET														
S31-2.07		Set positioning stop on the cart	1	1	25AUG08	25AUG08	22MAY08	-138		0.00	1,602.20																									EM//TB =20hr ;														
S31-3.01		Move right base support cart to its final positi	1	1	26AUG08	26AUG08	23MAY08	-138		0.00	801.10																									EM//TB =10hr ;														
S31-3.02		Lift the right side MCHP and position	1	1	27AUG08	27AUG08	20JUN08	-138		0.00	1,602.20																									EM//TB =20hr ;														
S31-3.03		Temporary fasteners bring the parts together.	2	1	28AUG08	29AUG08	20JUN08	-138		0.00	0.00																									EM//TB =00hr ;														
S31-3.04		AirLoc Wedgemount leveler to take load.	3	1	02SEP08	04SEP08	20JUN08	-138		0.00	0.00																									EM//TB =00hr ;														
S31-3.05		Install temp scaffolding to install flange hw	2	1	05SEP08	08SEP08	23JUN08	-138		0.00	1,602.20																									EM//TB =20hr ;														
S31-3.06		Install bolts and shims	7	1	09SEP08	17SEP08	24JUN08	-138		0.00	1,602.20																									EM//TB =20hr ;														
S31-3.07		Tighten flange fasteners to 50%	1	1	18SEP08	18SEP08	25JUN08	-138		0.00	1,602.20																									EM//TB =20hr ;														
S31-3.08		Perform metrology measurements	2	1	19SEP08	22SEP08	02JUL08	-138		0.00	0.00																									EM//TB =00hr ; ZMET														
S31-3.09		Perform position adjust on right side MCHP	4	1	23SEP08	26SEP08	07JUL08	-138		0.00	3,204.40																									EM//TB =40hr ;														
S31-3.1		Verify position of the VV support hanger	3	1	29SEP08	01OCT08	10JUL08	-138		0.00	0.00																									EM//TB =00hr ; ZMET														
S31-3.11		Remove flange hardware and temp platforms	1	1	02OCT08	02OCT08	11JUL08	-138		0.00	1,649.20																									EM//TB =20hr ;														
S31-4.01		EMeasure monuments on the MCHP's & walls.	2	1	03OCT08	06OCT08	15JUL08	-138		0.00	2,794.00																									EM//TB =00hr ; ZMET														
S31-4.02		Place all of the laser screens	2	1	07OCT08	08OCT08	17JUL08	-138		0.00	3,298.40																									EM//TB =40hr ;														
S31-4.03		Determine laser alignment.	1	1	09OCT08	09OCT08	18JUL08	-138		0.00	1,649.20																									EM//TB =20hr ;														
S31-4.04		mount the milar on the screens.	1	1	10OCT08	10OCT08	21JUL08	-138		0.00	0.00																									EM//TB =00hr ;														















Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09												
S51-6.02		Attach the temp support at end of Type-C MC	1	2	20AUG09	20AUG09	27FEB09	-138		0.00	1,649.20									EM//TB =20hr ;										
S51-6.03		Lower leveler pad disengage base of MC right sid	0	2	21AUG09	20AUG09	27FEB09	-138		0.00	0.00									EM//TB =00hr ;										
S51-6.04		Install TF support brackets	1	2	21AUG09	21AUG09	02MAR09	-138		0.00	3,298.40									EM//TB =40hr ;										
S51-6.05		Secure First TF assy	1	2	24AUG09	24AUG09	03MAR09	-138		0.00	1,649.20									EM//TB =20hr ;										
S51-6.06		Install TF support brackets	1	2	25AUG09	25AUG09	04MAR09	-138		0.00	3,298.40									EM//TB =40hr ;										
S51-6.07		Secure 2nd TF coil	1	2	26AUG09	26AUG09	05MAR09	-138		0.00	1,649.20									EM//TB =20hr ;										
S51-6.08		Install machine support plates	1	2	27AUG09	27AUG09	06MAR09	-138		0.00	4,947.60									EM//TB =60hr ;										
S51-6.09		Reinstall leveler pad	0	2	28AUG09	27AUG09	06MAR09	-138		0.00	0.00									EM//TB =00hr ;										
S51-6.1		Installed one side of the TF support brackets	1	2	28AUG09	28AUG09	09MAR09	-138		0.00	1,649.20									EM//TB =20hr ;										
S51-7.01		The TF installation on the left side	7	2	31AUG09	09SEP09	18MAR09	-138		0.00	21,439.60									EM//TB =260hr ;										
S51-8.01		Perform a fit-up check of the four TF coils	2	2	10SEP09	11SEP09	20MAR09	-138		0.00	8,246.00									EM//TB =100hr ;										
S51-9.01		Tack weld the left and right port 4's.	1	2	14SEP09	14SEP09	23MAR09	-138		0.00	3,298.40									EM//TB =40hr ;										
S51-9.02		Install boots on both port 4's.	2	2	15SEP09	16SEP09	25MAR09	-138		0.00	6,596.80									EM//TB =80hr ;										
S51-10.01		Install PF coil support structure	4	2	17SEP09	22SEP09	31MAR09	-138		0.00	13,193.60									EM//TB =160hr ;										
S51-11.01		Install tMC coolant manifold	2	2	23SEP09	24SEP09	02APR09	-138		0.00	4,947.60									EM//TB =60hr ;										
S51-11.02		Connect MC coolant lines to the manifold	10	2	25SEP09	08OCT09	16APR09	-138		0.00	33,656.00									EM//TB =400hr ;										
S51-12.01		Install Rogowski coils	3	2	09OCT09	13OCT09	21APR09	-138		0.00	8,526.00									EM//TB =100hr ;										
S51-13.01		Obtain set of Period 1 align fiducial positions	2	2	14OCT09	15OCT09	23APR09	-138		0.00	0.00									EM//TB =00hr ; ZMET =100 ;										
S51-13.02		align to tooling balls on each MCHP	1	2	16OCT09	16OCT09	24APR09	-138		0.00	0.00									EM//TB =00hr ; ZMET =20 ;										
S51-13.03		bring the VV into proper alignment	2	2	19OCT09	20OCT09	28APR09	-138		0.00	6,820.80									EM//TB =80hr ;										
S51-13.04		Install or identify three primary fiducials	1	2	21OCT09	21OCT09	29APR09	-138		0.00	3,410.40									EM//TB =40hr ;										
S51-13.05		Make a final measurement of all fiducials	2	2	22OCT09	23OCT09	01MAY09	-138		0.00	0.00									EM//TB =00hr ; ZMET =100 ;										
S51-13.11		Check Assembly (bolts, etc)	3	2	26OCT09	28OCT09	06MAY09	-138		0.00	8,526.00									EM//TB =100hr ;										
S51-13.12		Check Diagnostics (Loops, thermocouples)	2	2	29OCT09	30OCT09	08MAY09	-138		0.00	8,526.00									EM//TB =100hr ;										
S51-13.13		Check manifolds (pressure, flow, etc.)	3	2	02NOV09	04NOV09	13MAY09	-138		0.00	8,526.00									EM//TB =100hr ;										
S51-13.14		Check 6 modcoils (voltage etc)	3	2	05NOV09	09NOV09	18MAY09	-138		0.00	10,231.20									EM//TB =120hr ;										
S51-13.15		Check trim coils (voltage etc)	2	2	10NOV09	11NOV09	20MAY09	-138		0.00	5,115.60																			
S51-13.16		Check TF coils (voltage etc)	3	2	12NOV09	16NOV09	26MAY09	-138		0.00	10,231.20																			
S51-14.01		Install crane rigging to completed Period assy	1	2	17NOV09	17NOV09	27MAY09	-138		0.00	3,410.40									EM//TB =40hr ;										
S51-14.02		Remove platforms	1	2	18NOV09	18NOV09	28MAY09	-138		0.00	1,705.20									EM//TB =20hr ;										
S51-14.03		Transfer Period 1 to Station 6 in NCSX tTC.	22	2	19NOV09	22DEC09	29MAY09	-138		0.00	3,410.40									EM//TB =40hr ;										
S51-14.03M	2	Complete 1st Field Period Assy (Sat. 5)	0	2		22DEC09	29MAY09	-138		0.00	0.00									▼										
<b>Station 5- Final FP Assy -FP#2 (in NCSX TC)</b>																														
S52-1.01		cut off short dome	2	1	23SEP09	24SEP09	13MAR09	-111		0.00	3,298.40									EM//TB =40hr ;										
S52-1.02		Install insulation system around all ports.	0	1	25SEP09	24SEP09	13MAR09	-111		0.00	0.00									EM//TB =00hr ;										
S52-1.03		Install heat tape and theomocouples on all ports	0	1	25SEP09	24SEP09	13MAR09	-111		0.00	0.00									EM//TB =00hr ;										
S52-2.01		Install period support fixture	2	1	25SEP09	28SEP09	17MAR09	-111		0.00	3,298.40									EM//TB =40hr ;										
S52-2.02		Install FPA on support stand.	2	1	29SEP09	30SEP09	19MAR09	-111		0.00	3,298.40									EM//TB =40hr ;										
S52-2.03		Install external working platforms	4	1	01OCT09	06OCT09	25MAR09	-111		0.00	6,820.80									EM//TB =80hr ;										







Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07												FY08												FY09												
S53-13.04		Install or identify three primary fiducials	1	2	10MAY10	10MAY10	15OCT09	-131		0.00	3,410.40																																					
S53-13.05		Make a final measurement of all fiducials	3	2	11MAY10	13MAY10	20OCT09	-131		0.00	0.00																																					
S53-13.11		Check Assembly (bolts, etc)	2	2	14MAY10	17MAY10	22OCT09	-131		0.00	8,526.00																																					
S53-13.12		Check Diagnostics (Loops, thermocouples)	3	2	18MAY10	20MAY10	27OCT09	-131		0.00	8,526.00																																					
S53-13.13		Check manifolds (pressure, flow, etc.)	2	2	21MAY10	24MAY10	29OCT09	-131		0.00	8,526.00																																					
S53-13.14		Check 6 modcoils (voltage etc)	3	2	25MAY10	27MAY10	03NOV09	-131		0.00	10,231.20																																					
S53-13.15		Check trim coils (voltage etc)	2	2	28MAY10	01JUN10	05NOV09	-131		0.00	5,115.60																																					
S53-13.16		Check TF coils (voltage etc)	3	2	02JUN10	04JUN10	10NOV09	-131		0.00	10,231.20																																					
S53-14.01		Install crane rigging to completed Period assy	1	2	07JUN10	07JUN10	11NOV09	-131		0.00	3,410.40																																					
S53-14.02		Remove platforms	1	2	08JUN10	08JUN10	12NOV09	-131		0.00	1,705.20																																					
S53-14.03		Transfer Period 3 to Station 6 in NCSX tTC.	29	2	09JUN10	20JUL10	13NOV09	-131		0.00	3,410.40																																					
R1810-5333		Last field period assembled	0	2		20JUL10	13NOV09	-131		0.00	0.00																																					
<b>19 - Stellarator Core Management and Integration</b>																																																
<b>Job: 1901 - Stellarator Core Mngt&amp;Integr-COLE</b>																																																
<b>191 - Stellarator Core Management &amp; Oversight</b>																																																
1901-07		WBS 191 FY07	LOE	106*	1	01MAY07A	28SEP07A	28SEP07		LOE	77,380.44	77,380.44																																				
1901-08		WBS 191 FY08	LOE	249*	1	01OCT07A	29SEP08	29SEP08	1,000	LOE	48,569.68	208,453.58																																				
1901-09		WBS 191 FY09	LOE	247*	1	01OCT08*	28SEP09	28SEP09	752	LOE	0.00	221,094.09																																				
1901-10		WBS 191 FY10	SA LOE	248*	1	01OCT09*	30SEP10	30SEP10	502	LOE	0.00	229,029.48																																				
1901-11		WBS 191 FY10	LOE	79*	1	01OCT10*	31JAN11	31JAN11	423	LOE	0.00	95,379.48																																				
<b>192 - Stellarator Core Integration &amp; Analysis</b>																																																
1902-07		WBS 192 FY07		106*	1	01MAY07A	28SEP07A	28SEP07		LOE	84,180.68	84,180.68																																				
1902-08		WBS 192 FY08		249*	1	01OCT07A	29SEP08	29SEP08	1,000	LOE	46,582.42	199,924.56																																				
1902-09		WBS 192 FY09		247*	1	01OCT08*	28SEP09	28SEP09	752	LOE	0.00	210,949.08																																				
1902-10		WBS 192 FY10		248*	1	01OCT09*	30SEP10	30SEP10	502	LOE	0.00	219,015.60																																				
1902-11		WBS 192 FY10		79*	1	01OCT10*	31JAN11	31JAN11	423	LOE	0.00	74,333.10																																				
<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																																				
211-105		Gas Fueling - PDR		1		30SEP09	30SEP09	30SEP09	55		0.00	0.00																																				
211-109		Final Design		20		01OCT09	28OCT09	28OCT09	55		0.00	21,133.36																																				
211-113		Gas Fueling - FDR		1		29OCT09	29OCT09	29OCT09	55		0.00	0.00																																				
211-117		Title III		85		30OCT09	11MAR10	11MAR10	644	LOE	0.00	2,738.08																																				



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07												FY08												FY09														
211-121		Procure Material and Supplies	65		30OCT09	11FEB10	11FEB10	55		0.00	7,160.00																									41=05\$K ;														
211-125		Fabricate/Install/Test	40		11NOV10	17JAN11	23JUN10	-136		0.00	25,744.72																																							
<b>22 - Torus Vacuum Pumping Systems</b>																																																		
<b>Job: 2201 - Vacuum Pumping Systems-BLANCHARD</b>																																																		
<b>Modular Coil C-wound Loops</b>																																																		
220-101		Preliminary Design	30		02JAN09*	12FEB09	12FEB09	190		0.00	30,783.52																									em/em=64; em/ee/sm=16; ee/le														
220-105		Torus Vacuum Pumping - PDR	1	R	13FEB09	13FEB09	13FEB09	190		0.00	0.00																																							
220-109		Final Design	35		16FEB09	03APR09	03APR09	190		0.00	39,214.80																									ee/sm=32; ea/sb=132; em/em=88; em/sb=32														
220-113		Torus Vacuum Pumping - FDR	1	R	06APR09	06APR09	06APR09	190		0.00	0.00																																							
220-117		Procure/Install AC pwr & Instrumentation	95		01DEC09*	22APR10	22APR10	25		0.00	53,724.64																																							
220-133		Procure/Install VPS mechanical	115		30OCT09	22APR10	22APR10	25		0.00	45,270.28																									em/tb=224; em/sm=48; 41=10k; em/em=36														
220-137		Test	20		23APR10*	20MAY10	20MAY10	25		0.00	3,002.12																																							
<b>31 - Magnetic Diagnostics</b>																																																		
<b>Job: 3101 - Magnetic Diagnostics-STRATTON</b>																																																		
<b>Modular Coil C-wound Loops</b>																																																		
<b>Rogowski Coils</b>																																																		
3101-229		Fabricate(12) MC Protective boxes (completed)	43		01MAY07A	01MAY07A	01MAY07A		100	0.00	0.00																																							
3101-316		CONCEP DESIGN ROWGOWSKI COIL	30		01MAY07A	12JUN07A	12JUN07		100	9,049.20	9,049.20																																							
3101-317		PRELIM DESIGN ROWGOWSKI COIL incl prototype	30		13JUN07A	25JUL07A	25JUL07		100	16,670.28	16,670.28																									em/em=80;em/sm=242;em/tb=20;41=0.1k														
3101-318		ROWGOWSKI COIL - PDR	0			29JUN07A	25JUL07*		100	0.00	0.00																																							
3101-325		FINAL DESIGN ROWGOSKI COIL	7*			09AUG07A	06SEP07		100	21,435.88	21,435.88																									EM/EM =126hr ; em/sm=16;ea/sb=4														
3101-340		subcontract winding 3 mandrels*DELETED TASK	0*		02JAN08*	21DEC07	06SEP07	1,191		0.00	0.00																																							
3101-326	3	ROWGOSKI COIL - FDR	0			09AUG07A	06SEP07		100	0.00	0.00																																							
3101-329		FAB ROWGOWSKI COILS incl clamps & install	43*		02JAN08A	29FEB08	08NOV07	1,148	10	12,039.88	41,918.79																									41=4.5\$K ; EM/EM =15hr ; EM/SM =32hr ; EM/TB =122hr ;41=\$														
3101-330		Title III	115*		10AUG07A	31JAN08	08NOV07	1,169	LOE	7,657.46	9,465.34																									EM/EM =60														
<b>TF and PF Co-wound Loops</b>																																																		
3101-425		Design Protective boxes for PF	100*		01NOV07A	01APR08	26OCT07	123	85	21,149.28	24,881.50																									EA/SB =60hr ; EM/EM =110hr ;														
3101-426		Purchase SS Sheet	10		12NOV07A	15APR08	16NOV07	133	80	974.46	1,218.07																									EM/TB =1; 41=0.87k														
3101-452		Form Protective boxes	10		12NOV07A	29APR08	18DEC07	133	80	10,780.18	13,475.22																									em/sm=102														
3101-454		Weld end plates of PF protective boxes	10		12NOV07A	13MAY08	10JAN08	133	80	1,153.58	1,441.98																									em/tb=18														
3101-427		Purchase Heat Shrink tubing	15		12NOV07A	22APR08	24SEP07	184	80	2,477.33	3,096.66																									EM/TB =6; 41=2.0k														
3101-428		Purchase aad'l CoAxial cable	40		02APR08	28MAY08	29OCT07	123	50	3,023.11	6,046.22																									EM/TB =2hr ; 41=4.5\$K ;														
3101-450		Prototype PF Loops	10		29MAY08*	11JUN08	12NOV07	159	50	792.66	1,585.32																									em/sm=12														
3101-458		FabTF,PF & solenoid co-wound loops	186		02JUL07A	11JUN08	18JAN08	159	50	8,424.35	16,848.69																									em/sm=130														
3101-456		Title III	70		02APR08	10JUL08	14FEB08	139	LOE	0.00	5,788.44																									em/em=36														

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Gantt Chart											
												FY07				FY08				FY09			
<b>T/C and Heater Tape Leads</b>																							
1204-140		Design T/C and Heater Tape Leads	106*		30JUL07A	07JAN08A	28AUG07		100	26,004.15	26,004.15	EM//EM =166											
1204-140.2		Drafting T/C and Heater Tape Leads	44		02JAN08	03MAR08	28AUG07	-7	0	1,079.19	3,597.30	ea//sb=30											
1204-140.1		Peer Review T/C and Heater Tape Leads DELETED**	23*		02JAN08	01FEB08	14AUG07	1,168		0.00	0.00												
1204-141		Drawings Signed T/C and Heater Tape Leads	0			03MAR08	28AUG07	-7		0.00	0.00												
1204-146		Procurement support T/C and Heater Tape Leads	20			31JUL07A	26SEP07		100	6,032.80	6,032.80	EM//EM =40											
1204-147		Field/Fab support (title III) T/C&Heater Tape	65		04MAR08	03JUN08	08JAN08	1,082	LOE	0.00	4,019.75	EM//EM =25											
1204-148		Machine 12 2.75 cf blanks	20			31JUL07A	26SEP07		100	4,461.12	4,461.12	em//sm=36											
1204-150		Rubber seal	20		01SEP07A	28SEP07A	26SEP07		100	0.00	0.00												
1204-151		Machine 6 commercial aluminum boxes	20		01NOV07A	30NOV07A	26SEP07		100	4,755.96	4,755.96	em//sm=36											
<b>Spacer Flux Loops</b>																							
1204-160		Design Protective Boxes	10		01MAY07A	14MAY07A	14MAY07		100	3,318.04	3,318.04												
1204-165		Issue req,Bid & Award- Flux Loop Junction Boxes	25		15MAY07A	19JUN07A	19JUN07		100	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	EM//em=112											
1204-161		Fab Protective Boxes	10		01JUN07A	29JUN07A	22AUG07		100	5,623.76	5,623.76	EM//SM=36; 41=0.44k; em//tb=8											
1204-171		Prep Dwgs of spacer loops	68*		02JAN08	04APR08	14AUG07	445		0.00	7,194.60	ea//sb=60											
1204-172		Title III	96		15MAY07A	28SEP07A	28SEP07		LOE	18,098.40	18,098.40	EM//em=120											
1204-173		Purchase material for boxes&spacers (in job 1204	35		20JUN07A	29JUN07A	08AUG07		100	6,111.88	6,111.88	em//em=32 em//em=4; em//tb=4											
<b>Voltage Loops &amp; Protective Boxes</b>																							
3101-800		Design Routing and Boxes	62		01AUG07A	16APR08	26OCT07	1,095	50	4,824.77	9,649.54	em/em=46; ea//sb=20											
3101-802		Fab 3 protective Boxes (Use Existing Box)	10		17APR08	30APR08	09NOV07	1,105		0.00	1,118.28	41=0.12k; em//tb=12											
3101-804		Purchase 900ft cable	20		01NOV07A	30NOV07A	23NOV07		100	2,414.38	2,414.38	41=1.6k; em//em=2											
3101-806		Title III	20		17APR08	14MAY08	23NOV07	1,095	LOE	0.00	964.74	em//em=6											
<b>36 - Edge and Divertor Diagnostics</b>																							
<b>Job: 3601 - Edge Divertor Diagnostics-STRATTON</b>																							
Y																							
361-001		Design Visible Camera sys	40		01OCT09*	25NOV09	25NOV09	51		0.00	17,054.80	EA//SB =80hr; em//em=40											
361-015		Procure flange,window and material	65		30NOV09	10MAR10	10MAR10	51		0.00	5,012.00												
361-016		fabricate and assemble Visible tv camera sys	20		11MAR10	07APR10	07APR10	51		0.00	8,828.96												
<b>38 - Electron Beam (EB) Mapping</b>																							
<b>Job: 3801 - Electron Beam Mapping-STRATTON</b>																							
Y																							
380-010		E-beam mapping- Prelim Design	40		02MAR09*	24APR09	24APR09	114		0.00	44,761.80	R//RM2 =160hr; EM//EM =50hr; EA//SB =40hr; 35=03\$K											
380-015		E-beam mapping - PDR	1	R	27APR09	27APR09	27APR09	114		0.00	0.00												
380-100		E-beam mapping-Final Design	40		28APR09*	23JUN09	23JUN09	114		0.00	56,544.80	R//RM2 =160hr; EM//EM =50hr; EA//SB =40hr; EC//EM =100hr;											
380-110		E-beam mapping - FDR	1	R	24JUN09	24JUN09	24JUN09	114		0.00	0.00												



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09			
<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										EE//EM =08hr ; EE//SM
431-210		Organize & verify documentation	20		29OCT08*	25NOV08	25NOV08	387		0.00	4,531.16										EA//SB =10hr ; EE//E EE//SM =03hr ;
431-215		Document status	10		26NOV08*	11DEC08	11DEC08	387		0.00	2,857.28										EE//EM =16hr ;
431-225		Reactivate DF & PEI units	15		12DEC08*	12JAN09	12JAN09	387		0.00	22,697.68										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										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										EE//EM =104hr ;
431-250		c-site dc sys DGS dsn documentation	90		01OCT08*	16FEB09	16FEB09	260		0.00	61,765.20										EA//SB =240hr ;
431-261		Redo power loop design	90		01OCT08*	16FEB09	16FEB09	260		0.00	52,479.04										EA//SB =240hr ;
431-265		Fabricate bus components	20		29JUL09*	25AUG09	25AUG09	146		0.00	86,139.48										EE//EM =16hr ; EE//SM =40hr ; EE//TB =120hr ; 41=45\$K ; EA//SB =40hr ;
431-275		Power cabling & Installation	97		02NOV09*	30MAR10	30MAR10	99		0.00	317,964.40										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	2,555.06	22,026.38										41 EE
<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										EA//SB =40hr ; EE//EM =80hr ; EE//SM =80hr ;
441-097		Install Interlock sys	40		01SEP09	27OCT09	27OCT09	241		0.00	26,431.48										EE//EM =80hr ;
441-100		PLC Specification	20		02MAR09*	27MAR09	27MAR09	75		0.00	12,493.28										EE//EM =24hr ; EE//SM =56hr ;
441-105		Prep Block diagrams	20		30MAR09	24APR09	24APR09	75		0.00	16,010.72										EE//EM =24hr ; EE//SM =80hr ;
441-110		PLC CWD's & Cabling	40		27APR09*	22JUN09	22JUN09	75		0.00	63,679.68										EE//EM =16hr ; EE//SM =240hr ; EE//TB =320hr ;
441-115		deliver PLC	130		23JUN09	06JAN10	06JAN10	75		0.00	98,920.77										41=70\$K ;
441-120		Program PLC Logic	45		07JAN10	10MAR10	10MAR10	75		0.00	48,189.60										
441-125		Program Control pages	40		11MAR10	05MAY10	05MAY10	75		0.00	30,509.20										
441-130		Pre-commissioning tests	20		06MAY10	03JUN10	03JUN10	75		0.00	27,004.00										
441-135		Install I/O Cabling control & protection	90		25FEB10	01JUL10	01JUL10	75		0.00	127,497.20										
<b>442 - Kirk Key Interlocks</b>																					
442-1-2		Kirk Keys-Dsn	40		01OCT09*	25NOV09	25NOV09	45		0.00	23,657.60										EA//SB =80hr ; EE//EM =40hr ; EE//SM =40hr ;
442-1-4		Kirk Keys-Procure	65		30NOV09	10MAR10	10MAR10	45		0.00	19,434.40										
442-1-6		Kirk Keys-Install	90		01APR10*	06AUG10	06AUG10	30		0.00	34,702.00										

Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07												FY08												FY09														
442-1-8		Kirk Keys-Commission	20		09AUG10	03SEP10	03SEP10	30		0.00	7,643.00																																							
<b>443 - Real Time Control Systems</b>																																																		
443-1-2		Develop Control Algorithms-Dsn	65		01OCT09*	13JAN10	13JAN10	195		0.00	14,772.00																									EE//EM =80hr ;														
<b>444 - Instrument Systems</b>																																																		
444-2-2		DC Potential Transducers (DCPTs)-Dsn	40		01OCT09*	25NOV09	25NOV09	100		0.00	9,536.40																									EA//SB =40hr ; EE//EM =24hr ;														
444-2-4		DC Potential Transducers (DCPTs)-Procure	65		30NOV09	10MAR10	10MAR10	100		0.00	10,633.92																																							
444-2-6		DC Potential Transducers (DCPTs)-Install	40		11MAR10	05MAY10	05MAY10	100		0.00	21,894.32																																							
444-2-8		DC Potential Transducers (DCPTs)-Commission	15		06MAY10	26MAY10	26MAY10	100		0.00	13,041.60																																							
444-3-2		DC Shunts-Dsn	20		01OCT09*	28OCT09	28OCT09	240		0.00	8,515.44																									EA//SB =32hr ; EE//EM =24hr ;														
444-4-2		Signal Conditioning & Cabling-Dsn	130		01JUL09*	14JAN10	14JAN10	54		0.00	90,210.87																									EA//SB =24hr ; EE//EM =480hr ;														
444-4-4		Signal Conditioning & Cabling-Procure	65		15JAN10	15APR10	15APR10	54		0.00	20,138.40																																							
444-4-6		Signal Conditioning & Cabling-Install	65		16APR10	19JUL10	19JUL10	54		0.00	27,638.00																																							
444-4-8		Signal Conditioning & Cabling-Commission	10		20JUL10	02AUG10	02AUG10	54		0.00	18,240.40																																							
<b>445 - Coil Protection Systems</b>																																																		
Y																																																		
445-1-2		Ground Fault Protection-Dsn	65		02FEB09*	01MAY09	01MAY09	66		0.00	35,854.56																									EA//SB =40hr ; EE//EM =160hr ; EE//SM =16hr ;														
445-2-105		Overload Protect-Write spec and approve	20		03AUG09*	28AUG09	28AUG09	102		0.00	14,286.40																									EE//EM =80hr ;														
445-2-110		Overload Protect-Design	40		31AUG09*	26OCT09	26OCT09	112		0.00	26,177.60																									EA//SB =32hr ; EE//EM =96hr ; EE//SM =32hr ;														
445-1-4		Ground Fault Protection-Procure	65		18AUG09*	17NOV09	17NOV09	81		0.00	28,383.62																																							
445-1-6		Ground Fault Protection-Install	75		18NOV09*	16MAR10	16MAR10	81		0.00	25,626.96																									EE//EM =40hr ; EE//SM =48hr ; EE//TB =120hr ; EA//SB =08hr ;														
445-1-8		Ground Fault Protection-Commission	70		17MAR10	23JUN10	23JUN10	81		0.00	10,720.96																																							
445-2-115		Overload Protect-Fabr 4 chassis	65		27OCT09*	08FEB10	08FEB10	132		0.00	27,049.20																									EE//EM =48hr ; EE//SM =120hr ;														
445-2-120		Overload Protect-Test 4 units	10		09FEB10	22FEB10	22FEB10	132		0.00	10,758.40																																							
445-2-125		Overload Protect-Install & Rack wiring	20		23FEB10	22MAR10	22MAR10	132		0.00	20,532.55																																							
445-2-130		Overload Protect-Write & perform ISTEP	15		23MAR10	12APR10	12APR10	132		0.00	10,758.40																																							
445-2-135		Overload Protect-Documentation	180		31AUG09*	24MAY10	24MAY10	102		0.00	11,077.36																									EA//SB =64hr ; EE//EM =16hr ;														
445-2-140		Overload Protection&cabling design,procure instl	130		27OCT09*	10MAY10	10MAY10	112		0.00	61,328.23																									41=13Sk ; 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																									EE//EM =40hr ;														
451-3-2		Dwg,asbuilts -Elect Dsn	245		08OCT08*	01OCT09	01OCT09	259		0.00	96,653.42																									EA														
451-2-2		PDR Prep Power system -Dsn	40		22OCT08	18DEC08	18DEC08	146		0.00	32,941.44																									EA//SB =128hr ; EE														
451-2-3	2	Power system - PDR	0	R		18DEC08	18DEC08	146		0.00	0.00																																							











Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09				
<b>623 - GN2 Cryostat Cooling System</b>																						
X																						
623-100		GN2 Cryostat Cooling Sys Development	30		05JAN09*	13FEB09	13FEB09	122		0.00	87,993.60											
623-101		GN2 Cryostat Cooling Sys-Preliminary Design	30		16FEB09*	27MAR09	27MAR09	122		0.00	18,176.80											
623-121		GN2 Cryostat Cooling Sys-Analysis	30		13MAY09*	24JUN09	29APR09	60		0.00	30,593.60											
623-141		GN2 Cryostat Cooling Sys-WBS 62/171 PDR	1	R	25JUN09	25JUN09	30APR09	60		0.00	1,324.00											
623-161		GN2 Cryostat Cooling Sys-Final Design	20		26JUN09	24JUL09	29MAY09	60		0.00	16,942.60											
623-181		GN2 Cryostat Cooling Sys-WBS 62/171 FDR	1	R	03AUG09	03AUG09	11AUG09	55		0.00	1,324.00											
623-201		GN2 Cryostat Cooling Sys-Procure Hardware	88		04AUG09	08DEC09	16DEC09	55		0.00	144,103.41											
623-221		GN2 Cryostat Cooling Sys-Assemble & Install	122		09DEC09	09JUN10	17JUN10	55		0.00	156,307.20											
623-261		WBS 62/171 Cryo systems PTP	10		10JUN10	23JUN10	01JUL10	55		0.00	13,666.00											
623-261M	2	Complete Cryo Systems Pre-ops Test	0			23JUN10	01JUL10	55		0.00	0.00											
623-262		GN2 Cryostat Cooling Supply-Title III	258		04AUG09	17AUG10	25AUG10	533	LOE	0.00	8,171.29											
<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											
6301-005		Vac Vent and Air sys- PDR	1	R	03NOV08*	03NOV08	03NOV08	285		0.00	1,324.00											
6301-009		Vac Vent and Air sys- Final dsn	10		04NOV08*	17NOV08	17NOV08	285		0.00	11,859.60											
6301-010		Vac Vent and Air sys- FDR	1	R	18NOV08*	18NOV08	18NOV08	285		0.00	1,324.00											
6301-013		Vac Vent and Air sys- Procure hardware and compo	60		19NOV08	23FEB09	23FEB09	285		0.00	37,396.80											
6301-017		Vac Vent and Air sys- Fabricate and Install	40		01MAY09*	26JUN09	26JUN09	237		0.00	29,862.12											
6301-020		Vac Vent and Air sys-Test	10		29JUN09*	13JUL09	13JUL09	237		0.00	4,622.40											
<b>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											
6401-001		Bakeout Sys-Preliminary Design	40		02JUN09*	28JUL09	28JUL09	93		0.00	43,874.32											
6401-002		Bakeout Sys-PDR	1	R	29JUL09*	29JUL09	29JUL09	93		0.00	1,529.68											
6401-004		Bakeout Sys- EA Analysis	30		30JUL09	10SEP09	10SEP09	93		0.00	30,593.60											
6401-005		Bakeout Sys-Final Design	40		11SEP09*	05NOV09	05NOV09	93		0.00	44,844.12											
6401-009		Bakeout Sys-FDR	1	R	06NOV09*	06NOV09	06NOV09	93		0.00	1,581.68											
6401-010		Bakeout Sys-Procure Piping & Equipt	65		09NOV09*	19FEB10	19FEB10	93		0.00	236,552.08											
6401-013		Assemble & Install	65		22FEB10*	21MAY10	21MAY10	93		0.00	169,667.40											
6401-017		Bakeout Sys- ACC Review	10		24MAY10*	07JUN10	07JUN10	93		0.00	11,318.80											
6401-020		Bakeout Sys-PTP Testing	10		08JUN10*	21JUN10	21JUN10	93		0.00	18,139.60											



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09		
<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		2,633.63	3,065.96									EM/TB =36hr ; 41=00\$K
712.020		Platform Parts	30		02OCT08	12NOV08	12NOV08	16		0.00	34,225.00									EM/EM =32hr ; 41=03\$K ; EM/TB =300hr ;
712.030		Miscs Hardware/Material	40		18SEP08	12NOV08	12NOV08	16		0.00	22,031.60									41=16\$K ;
7301-100		Survey & layout locations for platform posts	10		30OCT08	12NOV08	12NOV08	16		0.00	25,252.80									EM/EM =40hr ; EM//S EM/TB =160hr ;
7301-102		Machine platform trial assembly & fitup	30		13NOV08*	06JAN09	06JAN09	16		0.00	119,740.80									EM/EM =48hr ; EM EM/TB =960hr ;
<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	620*		26JAN09	18JUL11	03JAN11	-138	LOE	0.00	384,085.37									ORNLEM =1670;ornldm=835 travel=12
714.030		LOE Start of assy through thru completion	620*	LOE	26JAN09	18JUL11	03JAN11	-138	LOE	0.00	1,034,022.69									Perry 1.0 fte Langella 1.0 fte
714.031		Additional supervision for 2nd shift	223*	2	09SEP10	18JUL11	03JAN11	-140	LOE	0.00	265,540.07									
7401ACPWR		Prior ac pwr work reclassified as gpp	356		01MAY07A	31MAY07A	31MAY07A		LOE	-308,300.00	-308,300.00									
714.020		LOE Prior to assy starting	356*		01OCT07A	10MAR09	10MAR09	926	LOE	5,279.56	32,389.94									EM/EM =120hr
714.025		Update Final Assembly Plan	45		03OCT08*	08DEC08	08DEC08	30		0.00	26,480.00									EM/EM =160hr ;
7502-001		Test Cell 110/208voutlets GPP SCOPE TO COMPLETE	65		15AUG08*	14NOV08	14NOV08	44		0.00	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	223*	2	09SEP10	18JUL11	03JAN11	-140	LOE	0.00	454,847.70									
7501-05		Construction Support Crew during machine assy	644*		26JAN09	18JUL11	03JAN11	-140	LOE	0.00	969,577.92									
<b>Job: 7503 - Machine Assembly (station 6)-PERRY</b>																				
7501-10		Fabricate/Assemble assembly structure	30	1	04DEC08	23JAN09	23JAN09	13		0.00	239,444.80									EM/EM =96hr ; E EM/SM =240hr ;
7501-10.1		Fab struct to go between assy sleds&FPA's	20	1	04DEC08	09JAN09	09JAN09	23		0.00	239,444.80									41=80; EM/EM=9
7501-10.2		Assemble 3 FPA support stands	15	1	12NOV08*	04DEC08	04DEC08	12		0.00	63,842.40									EM/EM=48 EM//S
7501-10.3		Assemble 3 VV spool piece support stands	10	1	05DEC08	18DEC08	18DEC08	12		0.00	42,561.60									EM/EM=32 EM//S
7501-10.4		Assemble machine base structure	10	1	19DEC08	12JAN09	12JAN09	12		0.00	42,561.60									EM/EM= 32 EM//
7501-10.4M	2	Complete Base Support Structure Assembly	0	1		12JAN09	12JAN09	12		0.00	0.00									EM/EM=32 EM
7501-10.5		Assemble 3 FPA installation carts	10	1	13JAN09	26JAN09	26JAN09	12		0.00	42,561.60									
7501-10.6		Fab 3 laser support poles	30	1	20NOV08*	13JAN09	13JAN09	70		0.00	73,108.80									41=24; EM/TB=480







Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	Gantt Chart												
												FY07	FY08				FY09							
810.909		Project Management Office PPPL FY10 (LOE)	248		01OCT09	30SEP10	30SEP10	423	LOE	0.00	1,074,462.05	Hutch =.25 fte ; Strykowski=.85 fte 35=08\$ ; Pam =.8 fte 41=08\$ ; proj mgr=1.0 fte rate, deputy p&c=.5fte rate constr mgr =.5 fte												
810.910		Project Management Office PPPL FY11 (LOE)	79*		01OCT10	31JAN11	31JAN11	423	LOE	0.00	299,398.44													
<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	ORNL81 =60\$ ;												
810.105X		Project Management Office ORNL FY08 (LOE)	249*		01OCT07A	29SEP08	29SEP08	1,000	LOE	37,047.00	159,000.00	ORNL81 = \$159k												
810.105Z		Project Management Office ORNL FY09 (LOE)	249		02OCT08*	01OCT09	01OCT09	423	LOE	0.00	160,000.00	ORNL81 = \$160k												
810.106X		Project Management Office ORNL FY10 (SA LOE)	247		02OCT09	30SEP10	30SEP10	423	LOE	0.00	101,000.00													
810.106Z		Project Management Office ORNL FY11 (SA LOE)	79*		01OCT10	31JAN11	31JAN11	423	LOE	0.00	18,960.00	ORNL81 = \$101k												
<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	EA/EM = 170hr ;												
820.04X		Engr Management FY07 (LOE)	106*		01MAY07A	28SEP07A	25SEP07		LOE	143,565.52	143,565.52	reiersen=50% loe ; heitzenroeder=50% loe												
820.04Y		Engr management (SA LOE)	827*		01OCT07A	01FEB11	01FEB11	422	LOE	37,210.47	531,578.18													
820.04Z		RLM (WBS 13,15,17) (SA LOE)	106*		01MAY07A	28SEP07A	28SEP07		LOE	20,210.68	20,210.68	reiersen=15% loe												
820.0004Z		RLM (WBS 13,15,17) (SA LOE)	747*		01OCT07A	30SEP10	30SEP10	502	LOE	8,928.40	114,466.70													
820.004Z		Reqmnts mgt & design verification	106*		01MAY07A	28SEP07A	28SEP07		LOE	13,938.40	13,938.40	reiersen=80 hours												
820.00004Z		Reqmnts mgt & design verification	827*		01OCT07A	01FEB11	01FEB11	422	LOE	10,391.41	148,448.71													
820-004Y		RLM (WBS 2,3 & 6) (SA LOE)	747*		01OCT07A	30SEP10	30SEP10	502	LOE	11,592.10	148,616.69													
820.004X		RLM (fabrication) (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422	LOE	130,090.89	739,152.77													
820.005		RLM (WBS 4 & 5) (SA LOE)	827*		01OCT07A	01FEB11	01FEB11	422	LOE	12,493.02	178,471.76													
8205FY07		Systems Engineering Support document control	933*		01MAY07A	01FEB11	01FEB11	422	LOE	28,526.00	162,079.56													
8205FY08		Systems Engineering Support (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422	LOE	49,999.19	284,086.30													
<b>Job: 8203 - Design Integration-BROWN</b>																								
8203FY07		Design Integration ,& metro support	933*		01MAY07A	01FEB11	01FEB11	422	LOE	172,593.03	980,642.22													
8203FY08		CAD Support (SA LOE)	933*		01MAY07A	01FEB11	01FEB11	422	LOE	75,147.56	426,974.76													
<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	fan=320hrs												



Activity ID	MILE	Activity Description	Duration (work days)	SHIFTS	Forecast Start	Forecast Finish	Baseline Finish	Total Float	%	Earned value cost (BCWP)	Budget	FY07			FY08			FY09					
8204FY08		Systems Analysis, studies and tech assurance	932*		01MAY07A	31JAN11	31JAN11	423	LOE	193,290.65	1,098,242.39												
<b>Job: 8205 - Dimensional Control Coordin-ELLIS</b>																							
METFY07R1	3	Dimensional control plans for station 2	142*		01JUN07A	21DEC07A	31AUG07		100	85,890.93	85,890.93												
METDCP-3	3	Dimensional control plans for station 3	74*		09OCT07A	31JAN08	15OCT07	-75	15	4,458.24	29,721.60												
METDCP-5	3	Dimensional control plans for station 5	80		01FEB08	22MAY08	15FEB08	42		0.00	59,443.20												
METDCP-6	3	Dimensional control plans for station 6	80		23MAY08	16SEP08	09JUN08	42		0.00	89,164.80												
METFY08R		Support FPA Station 2	347		23OCT07A	12MAR09	19FEB09	891	LOE	12,148.78	89,990.90												
METFY08RX		Support FPA Station 3	428*		20MAR08	02DEC09	08JUN09	-117	LOE	0.00	91,263.00												
METFY09		Support FPA Station 5	303*		01MAY09	20JUL10	13NOV09	-131	LOE	0.00	62,539.54												
METFY10		Support Final Machine Assy	620*		26JAN09	18JUL11	03JAN11	-138	LOE	0.00	95,045.06												
<b>Job: 8210 - FY07 Rebaselng tasks</b>																							
<b>FY07 Rebaseline Exercise</b>																							
ECP53RBX23		FY07 Rebaseline exercise	40		01MAY07A	26JUN07A	26JUN07		LOE	9,049.20	9,049.20												
ECP53RBX25		FY07 Rebaseline exercise	0*		01MAY07A	31MAY07A	31MAY07		LOE	9,765.00	9,765.00												
<b>Job: 8215 Plant Design</b>																							
<b>FY07 Rebaseline Exercise</b>																							
8210-07		Update plant model	19		02JAN08	28JAN08	28SEP07	1,172		0.00	16,024.40												
8210-08		Plant Design FY08	826*		01OCT07A	31JAN11	31JAN11	423	LOE	7,400.34	105,719.02												
<b>85 - Integrated Systems Testing</b>																							
<b>Job: 8501 - Integrated Systems Testing-GENTILE</b>																							
<b>Startup Documentation</b>																							
Y																							
8501-101		SAD NCSX Safety Assessment Document (SAD)	45		03NOV08*	15JAN09	15JAN09	185		0.00	48,236.80												
8501-129		NCSX-XX, Administrative Control of Procedures	30		24NOV08	15JAN09	15JAN09	184		0.00	24,118.40												
8501-133		OP-AD-39, Conduct of Operations	10		16JAN09	29JAN09	29JAN09	184		0.00	6,029.60												
8501-137		OP-AD-56, Cntrl Equipmt & Syst Status (chain of c	10		23JAN09	05FEB09	05FEB09	184		0.00	6,029.60												
8501-141		OP-AD-24, Cntrl Workplace Cleanliness D-Site Exp	10		30JAN09	12FEB09	12FEB09	184		0.00	6,029.60												
8501-145		OP-AD-31, D- Site Fire Watch Requirements	10		06FEB09	19FEB09	19FEB09	184		0.00	6,029.60												
8501-149		OP-AD-03, Experimental Proposals for NCSX	10		13FEB09	26FEB09	26FEB09	184		0.00	6,029.60												
8501-153		OP-AD-117 Operation of the NCSX Access System	10		20FEB09	05MAR09	05MAR09	184		0.00	6,029.60												
8501-157		NCSX-OP-XX, Prep of Exper Areas for Machine Ops	30		27FEB09	09APR09	09APR09	184		0.00	18,088.80												
8501-161		NCSX-OP-XX, Operation of the NCSX TVPS	30		20MAR09	30APR09	30APR09	184		0.00	18,088.80												
8501-165		NCSX-OP-XX, Testing NCSX HIS Safe for Access	30		10APR09	21MAY09	21MAY09	184		0.00	18,088.80												
8501-169		NCSX-OP-XX, Testing the NCSX Emergency Stop Syst	30		01MAY09	12JUN09	12JUN09	184		0.00	18,088.80												
8501-173		NCSX-OP-XX, NCSX Training Matrix	30		22MAY09	06JUL09	06JUL09	184		0.00	18,088.80												
8501-177		NCSX-OP-XX, NCSX Ops Guide -Startup and Shutdown	30		15JUN09	27JUL09	27JUL09	184		0.00	18,088.80												
8501-181		NCSX-OP-XX, HPP Daily Operations	20		14JUL09	10AUG09	10AUG09	184		0.00	12,059.20												



