

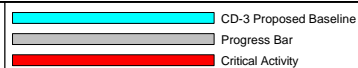
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M										
PDR Recommendations																																																																				
1203-400	350c Bakeout Study	03NOV03A	94*	31DEC03A		100	25,738.00	40																																																												
1203-401	Analysis & testing of tube attachment method	01DEC03A	20	31DEC03A		100	0.00	40																																																												
1203-402	Determine thermal expansion vv to mcc clearance	01NOV03A	39*	31DEC03A		100	0.00	40																																																												
1203-403	Determine cost of fabrication	01DEC03A	20	31DEC03A		100	0.00	40																																																												
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT		0	31DEC03A		100	0.00	40																																																												
Final Design Tasks																																																																				
1203-141	Finalize Spec for VVSA	01MAR04A	87*	30JUN04A		100	18,067.60	40	Goranson=40hr;Viola=80																																																											
1203-151	Update VVSA Drawings incl ECP6 add'l port config	01DEC03A	149*	30JUN04A		100	202,403.63	40	ORNL Design=870hr;Goranson=120 ECP6 = + 583 hrs for add'l port config																																																											
1203-181	Start Thermal Analyses	01NOV03A	82*	30JAN04A		100	23,012.76	40																																																												
1203-191	Start Eddy Current Analyses	03NOV03A	87*	30JAN04A		100	3,536.05	40																																																												
1203-202	Start Port Nozzle Analysis	02JAN04A	63*	30JAN04A		100	5,142.40	40																																																												
1203-233	Check structural analysis	26APR04A	25*	28MAY04A		100	12,638.08	40	Titus=80																																																											
1203-235	Perform Local Thermal Analysis	02FEB04A	65*	30APR04A		100	15,442.80	40	Freudenberg=120																																																											
1203-236	Check Local Thermal Analysis	02FEB04A	65*	30APR04A		100	15,442.80	40	Goranson=120																																																											
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		100	10,295.20	40	Goranson=80																																																											
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		100	12,856.00	40	Kalish=80																																																											
1203-240	Check Analysis of VV Supports	26APR04A	25*	28MAY04A		100	5,147.60	40	Goranson=40																																																											
1203-291	Update Design Basis Document	20APR04A	29*	18MAY04A		100	2,059.04	40	Goranson=16hr																																																											
1203-321	Assemble FDR Drawing Package, Check & Promote	03MAY04A	20*	18MAY04A		100	4,118.08	40	Goranson=32hr																																																											
1203-331	Prepare Presentations	03MAY04A	20*	18MAY04A		100	12,869.00	40	Goranson=100hr																																																											
1203-341	Conduct VVSA FDR		0	19MAY04A		100	0.00	40	▼																																																											
1203-311	Prepare Final Design ECP	24MAY04A	10	28MAY04A		100	3,088.56	40	Goranson=24hr																																																											
1203-161	Finalize & Sign All ICDs	20NOV03A	262*	01DEC04	333	70	15,799.64	40	Goranson=120hr																																																											
1203-201	Update/Perform FMECA Analyses	01MAR04A	192*	30NOV04	334	85	5,306.05	40	goranson=40																																																											
1203-232	Structural Analysis of Vac Vsl	01MAR04A	191*	29NOV04	335	98	77,136.00	40	Dahlgren=480																																																											
1203-234	Perform Global Seismic Analysis	01MAR04A	151*	31AUG04A		100	37,914.24	40	titus=240																																																											
1203-239	Perform Analysis of VV Supports	01MAR04A	193*	01DEC04	333	95	10,295.20	40	Freudenberg=80																																																											
1203-241	Check FMECA Analyses	01OCT04*	32*	15NOV04	343		0.00	40	Reiersen																																																											
1203-261	Startup Plan	01OCT03A	298*	01DEC04	333	90	25,738.00	40	Goranson=200hr																																																											
1203-301	Update Cost and Schedule Estimates	01SEP04A	42*	29OCT04	1,235	30	3,311.16	40	Goranson=24hr																																																											
1203-271	Develop/Confirm & Installation Process	03JAN05*	41*	28FEB05	276		29,448.00	40	Goranson=200																																																											
1203-900	Comprehensive WBS 12 FDR		0	28FEB05	276		0.00	40	▼																																																											
Vacuum Vessel Vendor Selection																																																																				
121-6-6	Finalize tech Doc package & Resolve chits	01JUN04A	0*	30JUN04A		100	1,286.90	40	goranson=10																																																											
121-6-8	Evaluate and Select VV Production Vendor	01AUG04A	0*	12AUG04A		100	2,901.90	40	viola=10; goranson=10																																																											
121-6-83	Negotiate with vendor	17AUG04A	0*	31AUG04A		100	1,615.00	40	Viola=10																																																											
121-6-85	DOE Approve VV Selection & contract	01SEP04A	11	30SEP04A		100	0.00	40																																																												
121-6-9	Award VV Production Vendor (Phase funded)		0	27SEP04A		100	0.00	40	***** Joule Milestone Q1 12/31/04 *****																																																											
121-36-9.2	Release for Fabrication		0	27SEP04A		100	0.00	40	▼																																																											

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Job: 1206 - VV Field Weld Joint R&D-DUDEK																																																								
Vessel Weld Joint R&D																																																								
1202-848	Bid,eval,award full size test sample *ECP6*	29APR04A	150*	01DEC04	1,101	LOE	1,631.77	40	dudek=10																																															
1202-851	vendor fab & deliver full size sample *ECP6*	02DEC04	120	23MAY05	1,101		175,299.90	40	41=125k; dudek=10																																															
1202-854	Instrument sample *ECP6*	24MAY05	11	07JUN05	1,101		5,986.50	40	dudek=16; eem/sm=24; 41=.5																																															
1202-857	Perform welds on sample *ECP6*	08JUN05	5	14JUN05	1,101		8,707.20	40	welder=80																																															
1202-860	Measure Results *ECP6*	15JUN05	6	22JUN05	1,101		4,019.76	40	dudek=24																																															
1202-863	Report Results *ECP6*	23JUN05	5	29JUN05	1,101		4,019.76	40	dudek=24																																															
1206-100	Prep Sample	01NOV04*	10	12NOV04	1,244		2,612.16	40	machinist=24																																															
1206-110	Weld	15NOV04	5	19NOV04	1,244		636.40	40	welder=8																																															
1206-115	Analyze	22NOV04	10	07DEC04	1,244		6,715.60	40	dauhlgren=40																																															
Job: 1250 - Vacuum Vessel Fabrication-VIOLA																																																								
121-031	VVSA Title III engr	21MAY04A	628*	22NOV06	720	LOE	93,216.65	40	Goranson =643 FDR through assy																																															
121-032	VVSA Contract oversight FY04	21MAY04A	386*	30SEP04A		LOE	20,187.50	40	Viola =643hr during fabrication; 35=\$24k																																															
121-033	VVSA Contract oversight FY05 & FY06	01OCT04	289*	28NOV05	967	LOE	199,562.76	40	Viola =940 (2 days/wk) 35=\$24k																																															
121-100	S005243 #1-Die Material	22OCT04*	1	22OCT04	1,240		298,635.00	10	41+\$ 215																																															
121-105	S005243 #2-Vessel material procured	08OCT04*	1	08OCT04	1,250		402,810.00	10	41+\$290																																															
121-110	S005243 #3-Fixture material procured	08OCT04*	1	08OCT04	1,250		220,000.00	10	41+\$220																																															
121-115	S005243 #4-Dies Manufactured	20DEC04*	1	20DEC04	1,201		464,000.00	10	41+\$464																																															
121-120	S005243 #5-1/3 of Vessel plates formed	28FEB05*	1	28FEB05	1,157		260,000.00	10	41+\$260																																															
121-125	S005243 #6-Second 1/3 of vsl plates formed	01APR05*	1	01APR05	1,133		200,000.00	10	41+\$200																																															
121-130	S005243 #7-Last 1/3 of vsl plates formed	09MAY05*	1	09MAY05	1,107		200,000.00	10	41+\$200																																															
121-135	S005243 #8-One VVSA fabricated	19MAY05*	1	19MAY05	1,099		375,000.00	10	41+\$375																																															
121-140	S005243 #9-Second VVSA fabricated	27JUN05*	1	27JUN05	1,073		350,000.00	10	41+\$350																																															
121-145	S005243 #10-Third VVSA fabricated	11AUG05*	1	11AUG05	1,041		350,000.00	10	41+\$350																																															
121-150	S005243 #11-Receipt/Acceptance of 1st VVSA	28SEP05*	1	28SEP05	185		375,560.00	10	41+\$375.56																																															
121-155	S005243 #12-Receipt /Acceptance of 2nd VVSA	28OCT05*	1	28OCT05	243		375,000.00	10	48=375																																															
121-160	S005243 #13-Receipt/Acceptance of 3rd VVSA	28OCT05*	1	28OCT05	323		375,000.00	10	48+\$375																																															
121-165	S005243 #14-Delively of tooling,dies,fixtures	15NOV05*	1	15NOV05	310		486,000.00	10	48+\$486																																															
121-038.1	Vacuum Vessel Delivered		0	15NOV05	310		0.00	10																																																
122 - Vacuum Vessel Thermal Insulation																																																								
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON																																																								
Final Design Tasks																																																								
122-011	Final design WBS 122 Thermal insulation	01JUN04A	185*	28FEB05	276	25	43,631.59	32	EA/EM =20hr ; ORNLEM =291hr ;																																															
Job:1204-VV Sys Procurements (non VVSA)-GORANSON																																																								
122-030	SPEA VV Thermal Insulation	01APR05*	65	01JUL05	165		0.00	30																																																
122-036.9	Award VV Insulation		0	01JUL05	165		0.00	32																																																
122-037	VV Insulation Procurement WBS 122	05JUL05	88	04NOV05	165		109,262.90	32	41=82.01\$; 35=02\$;																																															
122-031	Title III engr WBS 122	01MAR05	176	04NOV05	165		21,952.88	32	Viola =22hr ; Goranson =124hr ;																																															

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123 - Vacuum Vessel Heating and Cooling Distrib																																																								
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON																																																								
Final Design Tasks																																																								
1203-361	Final Design of Heating/Cooling	03NOV03A	229	28FEB05	276	50	31,716.59	40	Jones ornl=232hr																																															
Job:1204-VV Sys Procurements (non VVSA)-GORANSON																																																								
123-030	SPEA VV Heating & Cooling	02MAY05*	65	02AUG05	167		0.00	30	[Gantt bar]																																															
123-036.9	Award VV Heating/Cooling Distribution		0	02AUG05	167		0.00	32	[Gantt bar]																																															
123-037	VV Heating/Cooling Distr Procurement WBS 123	03AUG05	65	02NOV05	167		318,062.40	32	[Gantt bar] 41=67.8\$k + 178.76= \$246.56																																															
123-041	VV Heating/Cooling Fab/Assy WBS 123	05DEC05	40	06FEB06	147		14,887.44	32	[Gantt bar] EM/SM =34hr ; EM/TB =137hr ;																																															
123-031	Title III engr WBS 123	25APR05	135	02NOV05	167		8,411.95	32	[Gantt bar] Viola =08hr ; Goranson =48hr ;																																															
124 - Vacuum Vessel Supports																																																								
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON																																																								
Final Design Tasks																																																								
124-011	Final design WBS 124 VV supports	01JUL04A	163	28FEB05	276	50	22,113.14	30	[Gantt bar] goranson =80; jones=78																																															
124-011.1	Lateral VV supports	18NOV04	65	28FEB05	276		23,322.82	30	[Gantt bar] ORNLEM =120hr ;																																															
Job:1204-VV Sys Procurements (non VVSA)-GORANSON																																																								
124-030	SPEA VV Supports	03OCT05*	65	11JAN06	206		0.00	30	[Gantt bar]																																															
124-036.9	Award VV Supports		0	11JAN06	206		0.00	30	[Gantt bar]																																															
124-037	VV Supports Procurement WBS 124	12JAN06	100	01JUN06	206		31,089.00	30	[Gantt bar] 41=24.1\$k ;																																															
124-041	VV Supports Fab/assy WBS 124	10OCT06	20	06NOV06	117		699.30	30	[Gantt bar] EM/SM =06hr ;																																															
124-031	Title III engr WBS 124	03OCT05	165	01JUN06	206		9,176.00	30	[Gantt bar] Viola =02hr ; Goranson =60hr ;																																															
125 - Vacuum Vessel Local I&C																																																								
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON																																																								
Final Design Tasks																																																								
125-001	Prelim design WBS 125 local I&C	01NOV04*	11	15NOV04	285		11,631.96	30	[Gantt bar] Goranson =79hr ;																																															
125-011	Final design WBS 125 local I&C	16NOV04	58	15FEB05	285		11,661.41	30	[Gantt bar] goranson =79hr ;																																															
Job:1204-VV Sys Procurements (non VVSA)-GORANSON																																																								
125-015	Title III design Local I&C	01SEP05*	61	29NOV05	158		2,650.32	30	[Gantt bar] Goranson =18hr ;																																															
125-037	Procurement Local I&C	02SEP05*	60	29NOV05	158		3,096.00	30	[Gantt bar] 41=2.4\$k ;																																															
13 - Conventional Coils																																																								
130 - Conventional Coil Design																																																								
Job: 1301 - TF Design-KALISH																																																								
0000																																																								
163-001	Title I design CS sprt struc	01DEC03A	341	30SEP04A		LOE	46,702.93	32	[Gantt bar]																																															
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	64	30SEP03A		100	0.00	0	[Gantt bar]																																															
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	64	30SEP03A		100	91,660.00	0	[Gantt bar]																																															
1301-FY04	FY04 cost variance	01OCT03A	64	30SEP04A		100	27,000.00	0	[Gantt bar]																																															
130-000	TF PDR & FDR Engineering	01NOV04*	69	15FEB05	1,168		52,045.90	24	[Gantt bar] Kalish =310 ;																																															
133-010	Design WBS 134 Conv Coil I&C	01DEC04*	49	15FEB05	581		13,431.20	24	[Gantt bar] Kalish =80 ;																																															
1402-004	Subcontract analysis support for PDR	01OCT03A	41	26NOV03A		100	5,096.00	0	[Gantt bar]																																															
1402-005	VV/MCC PDR support	01OCT03A	37	31OCT03A		100	4,178.20	0	[Gantt bar]																																															

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1402-005	VV/MCC PDR support	01OCT03A	37*	31OCT03A		100	4,178.20	0																																																												
1301-100	Prepare Scope Sheet to define interfaces	03NOV03A	248*	29OCT04	1,237	65	1,935.71	24	Kalish=60 ;																																																											
1301-105	Prepare Interface Dwgs for ICD's	01DEC03A	230*	29OCT04	1,237	65	2,904.42	24	Kalish=30																																																											
1301-140	Complete Draft SOW	02JAN04A	10	15JAN04A		100	4,821.00	24																																																												
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	16JAN04A	2	19JAN04A		100	1,285.60	24																																																												
1301-150	Vendor Responses	02FEB04A	102*	30APR04A		100	7,231.50	24	Kalish= 45																																																											
1301-155	Trim Coil Layouts	01OCT03A	59*	23DEC03A		100	55,762.90	24																																																												
1301-160	Trim Coil Leads	01DEC03A	140*	30JAN04A		100	7,070.80	24																																																												
1301-165	PF1-PF3 Support System Layouts	01DEC03A	15	30JAN04A		100	21,373.10	24																																																												
1301-300	Investigate Experimental Data *ECP6*	12APR04A	5	16APR04A		100	642.80	24	Kalish=4																																																											
1301-303	Prepare Test Reqmnts *ECP6*	19APR04A	61*	30JUN04A		100	803.50	24	Kalish=5																																																											
1301-318	Evaluate 3D glass *ECP6*	05APR04A	5	09APR04A		100	642.80	24	Kalish=4																																																											
1301-170	New Lead Details	01DEC03A	10	23DEC03A		100	14,141.60	24																																																												
1301-175.1	Evaluate Design as Cost Savings	01AUG04A	3	31AUG04A		100	0.00	24																																																												
1301-175.2	Revised Design Stress Analysis	02AUG04A	5	31AUG04A		100	3,822.00	24	myatt=24																																																											
1301-175.3	Layout New Wedge Concept	02AUG04A	5	31AUG04A		100	5,142.40	24	rushinski=32																																																											
1301-175.4	Develop Comparison	02AUG04A	4	31AUG04A		100	0.00	24																																																												
1301-175.5	Cost Estimate for Wedge Concept	02AUG04A	43*	30SEP04A		100	0.00	24																																																												
1301-175.6	Review Revised TF Concept	01SEP04A	1	30SEP04A		100	0.00	24																																																												
1301-175.7	Complete PDR Drawings	01SEP04A	53*	15NOV04	209	25	13,203.29	24	rushinski=80																																																											
1301-175.8	Rerun Analysis	01SEP04A	30*	13OCT04	232	40	6,370.00	24	myatt=40																																																											
1301-180	Update ANSYS model & structure	03NOV03A	142*	27FEB04A		100	8,294.62	24																																																												
1301-185	FEA Analysis Coils, Stress deflection	01DEC03A	123*	28MAY04A		100	12,272.40	24	Kalish= 7 ; MYATT=70																																																											
1301-195	Seismic Analysis	26NOV03A	104*	30APR04A		100	12,272.40	24	Kalish= 7 ; titus= 70																																																											
1301-190	FEA Analysis PF Supports, Stress Deflection	01MAR04A	108*	30JUN04A		100	9,817.92	24	Kalish= 7 ; MYATT=56																																																											
1301R-00	Oversight, supervision, job management	02JUL04A	95*	15NOV04	1,224	LOE	55,461.44	24	kalish=340																																																											
1301R-03	ReEvaluate Analysis, Dahlgren	02JUL04A	15	22JUL04A		100	19,284.00	24	dahlgren=120																																																											
1301R-04	Is Insulation Scheme Acceptable ?	23JUL04A	1	23JUL04A		100	0.00	24																																																												
1301R-05	Change Insulation Scheme	26JUL04A	1	26JUL04A		100	1,285.60	24	kalish=8																																																											
1301R-06	Prepare Test Spec	27JUL04A	3	29JUL04A		100	0.00	24																																																												
1301R-17	Insulation Voltage Standoff Evaluation	29JUL04A	2	30JUL04A		100	0.00	24																																																												
1301R-22	Hydraulic Analysis	21JUN04A	10	02JUL04A		100	12,856.00	24	dahlgren=80																																																											
1301R-24	Launching Load Evaluation	06JUL04A	15	23JUL04A		100	0.00	24																																																												
1301R-28	TF Defelction vs Island Study	05JUL04A	10	16JUL04A		100	0.00	24																																																												
1301R-29	Review SRD	30JUN04A	87*	01NOV04	1,234		0.00	24																																																												
1301R-19	Add New Pusher Support Stucture	01AUG04A	2	31AUG04A		100	0.00	24																																																												
1301R-23	Document and Summerize Analysis	01NOV04*	5	05NOV04	210		5,234.24	24	dahlgren=16;myatt=16																																																											
1301R-25	Final Determination of Launching Loads	01AUG04A	1	31AUG04A		100	1,274.00	24																																																												
1301R-26	Final Launch Load Analysis	02AUG04A	3	31AUG04A		100	3,822.00	24	myatt=24																																																											
1301R-27	Obtain Stresses from Deflection Analysis	01AUG04A	2	31AUG04A		100	2,548.00	24	myatt=16																																																											
1301R-32	Prepare ICDs	01OCT04	22*	01NOV04	214		0.00	24																																																												

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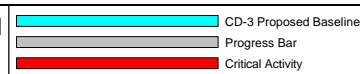
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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	Gantt Chart																																	
									FY04	FY05	FY06	FY07	FY08	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
131-031	Title III engr	02JUN05*	361	08NOV06	732		139,542.66	24	Kalish=666hr; ornlem=62;Rushinski=96																																	
132 - PF Coils																																										
Job: 1302 - PF and CS Design -KALISH																																										
1302-PF	PF Design	01JUN05*	140	19DEC05	249		113,685.21	32	kal;ish=220;rushinski=232;dahlgren=220																																	
141-012	PF 1-6 PDR		0	08AUG05*	292		0.00	24	▼																																	
141-013	PF 1-6 FDR		0	19DEC05	249		0.00	24	▼																																	
1302-CSS	Center Stack Support Design	01JUN05*	140	19DEC05	200		114,361.91	32	kalish=220;rushinski=368;dahlgren=88																																	
Job: 1303 - Trim coil Design-KALISH																																										
1303-TRIM	Trim Coil Design	03OCT05*	119	28MAR06	207		99,307.60	32	kalish=220;rushinski=180;dahlgren=180																																	
Job: 1352 - PF Coil Procurement-KALISH																																										
PF Coil Fabrication																																										
141-035	Bid & Award PF Coils	05JUL06*	45	06SEP06	117		0.00	24	■																																	
141-036	PF Coils Awarded		0	06SEP06	117		0.00	24	▼																																	
1352-100	Material & leads	07SEP06	75	22DEC06	117		329,266.67	24	■ 41=250																																	
1352-110	Tooling for PF 4	02OCT06*	25	03NOV06	135		69,562.50	24	■ 41=52.5																																	
1352-115	Tooling for PF 5	06NOV06	25	12DEC06	135		69,562.50	24	■ 41=52.5																																	
1352-120	Tooling for PF 6	13DEC06	25	24JAN07	150		69,562.50	24	■ 41=52.5																																	
1352-105	Tooling for PF 1,2 and 3	25JAN07	30	07MAR07	150		69,562.50	24	■ 41=52.5																																	
1352-140	Fabricate/Dlvr PF 4 lower	02JAN07	10	15JAN07	117		52,668.75	24	■ 41=39.75																																	
1352-145	Fabricate/Dlvr PF 5 lower	16JAN07	15	05FEB07	117		43,009.50	24	■ 4e=39.75																																	
1352-150	Fabricate/Dlvr PF 6 lower	06FEB07	15	26FEB07	117		43,009.50	24	■ 4e=39.75																																	
1352-155	Fabricate/Dlvr PF 4 upper	27FEB07	10	12MAR07	117		43,009.50	24	■ 4e=39.75																																	
1352-160	Fabricate/Dlvr PF 5 upper	13MAR07	15	02APR07	117		43,009.50	24	■ 4e=39.75																																	
1352-165	Fabricate/Dlvr PF 6 upper	03APR07	15	23APR07	117		43,009.50	24	■ 4e=39.75																																	
1352-125	Fabricate/Dlvr PF 1 upper & lower	24APR07	15	14MAY07	117		86,019.00	24	■ 4e=79.5																																	
1352-130	Fabricate/Dlvr PF 2 upper & lower	15MAY07	15	05JUN07	117		86,019.00	24	■ 4e=79.5																																	
1352-135	Fabricate/Dlvr PF 3 upper & lower	06JUN07	15	26JUN07	117		86,019.00	24	■ 4e=79.5																																	
141-031	Title III engr WBS 132	17JUL06*	268	09AUG07	546		151,940.41	24	Kalish=704;ea//dm=96;ornlem=62																																	
Job: 1353 - CS Structure Procurement-KALISH																																										
CS Support Structure																																										
163-035	Bid & Award CS Support Struct	04MAY06	45	10JUL06	109		0.00	24	■																																	
163-036.9	Award CS Support Structure		0	10JUL06*	109		0.00	32	▼																																	
163-037	CS Support Structure Procurement/Fab	11JUL06*	249	09JUL07	109		194,263.41	32	■ 41=\$144.77; 35=\$2 k																																	
163-015	Title III design CS sprt struc	04MAY06	294	09JUL07	569		63,581.97	32	ORNLEM =31;Kalish=250;Rushinski=83																																	
133 - External Trim Coils																																										
Job: 1354 - Trim Coil Procurement-KALISH																																										
Trim Coils																																										
184-035	Bid & Award Ext Trim Coils	06JUL06	45	07SEP06	139		0.00	24	■																																	
184-036	Award External Trim Coils		0	07SEP06*	139		0.00	40	▼																																	
184-037	External Trim Coil Procurement/Fab*ecp16	08SEP06	87	18JAN07	139		81,750.92	40	■ 41=210-148=\$62kecp16																																	
184-015	Title III WBS 133 Rxt Trim Coils	06JUL06	147	08FEB07	674		63,884.90	40	Rushinski=64;Kalish=232;ornlem=30;35=\$4k																																	

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04		FY05		FY06		FY07		FY08																								
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
134 - Conventional Coil Local I&C																																									
Job: 1355 - WBS 13 I&C Proc & Coil Assy-KALISH																																									
TF/PF Local I&C																																									
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07	625		3,842.74	20																																	
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	173		68,349.03	20																																	
1355-100	CS and PF 1-3 Pre-Assy incl coil I&C procurement	10JUL07	15	30JUL07	109		20,443.20	20																																	
14 - Modular Coils																																									
141 - Modular Coil Winding Form																																									
Job: 1401 - Mod Coil Prel.Dsn-WILLIAMSON																																									
0000																																									
1401-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	303,040.00	0																																	
1401-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	0.00	0																																	
Job: 1402 - Mod.Coil Analyses-WILLIAMSON																																									
0000																																									
1402-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	84,220.00	0																																	
1402-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	154,920.00	0																																	
Job: 1403 - Modular Coil Final Design-WILLIAMSON																																									
PDR/PBR Prep																																									
1403-04	Plan response to PDR chits	01OCT03A	23	31OCT03A		100	2,573.80	40																																	
1403-05	Prepare FY04 WP / WAF / Checklists	08OCT03A	21	14OCT03A		100	2,573.80	40																																	
1403-06	Prepare documents for PDR closeout	15OCT03A	52*	24DEC03A		100	10,295.20	40																																	
1403-07	Prepare PBR documentation	31OCT03A	19*	18NOV03A		100	2,573.80	40																																	
1403-08	Performance Baseline Review		0	18NOV03A		100	0.00	40																																	
Requirements/Config and Interfaces																																									
1403-10	Review, revise, and approve SRD	15OCT03A	160	28MAY04A		100	2,573.80	40																																	
1403-13	Finalize winding pack ref xsec, conductor dims	15OCT03A	45*	26NOV03A		100	2,573.80	40																																	
1403-14	Revise winding form and windings/asm models	15OCT03A	75*	30JAN04A		100	41,309.49	40																																	
Analysis - Thermal & Electrical																																									
1403-21	Document electrical, insulation parameters	15OCT03A	56*	19DEC03A		100	2,573.80	40																																	
1403-22	Update thermal analysis to current WP design	22OCT03A	51*	19DEC03A		100	5,147.60	40																																	
1403-23	Update thermo-hydraulic analysis of coils	01DEC03A	127*	18MAY04A		100	6,428.00	40																																	
1403-25	Check EM loads calculation for ref scenarios	02FEB04A	85*	18MAY04A		100	5,147.60	40																																	
1403-26	Perform scan of EM fault load conditions	01DEC03A	127*	18MAY04A		100	10,295.20	40																																	
1403-26.1	Check thermal & electrical calculations	02FEB04A	85*	18MAY04A		100	10,295.20	40																																	
Analysis - Structural																																									
141TITTLE2P	PDR #1,4,26 Access,Tolerance Budget,Bolting	01MAR04A	65*	18MAY04A		100	26,896.21	30																																	
1403-29	Complete ANSYS model of coil structure asm	15OCT03A	160*	18MAY04A		100	160,700.00	40																																	
1403-30	Analyze global stress /deflect winding form asm	31OCT03A	148*	18MAY04A		100	16,070.00	40																																	
1403-31	Analyze stress in bolted connections	01MAR04A	65*	18MAY04A		100	6,428.00	40																																	
1403-32	Update MECHANICA model of 3 coil types	15OCT03A	160*	18MAY04A		100	10,295.20	40																																	
1403-33	Anlyz wind pack deflect/stress fo thrml, EM lds	01MAR04A	65*	18MAY04A		100	5,147.60	40																																	
1403-34	Analyze and optimize clamp locations	01MAR04A	55*	30APR04A		100	5,147.60	40																																	
1403-35	Perform supporting analysis for material tests	15OCT03A	150*	30APR04A		100	16,727.62	40																																	

ORNL=18;Kalish=2;Rushinski=6
 41=9.2\$;em//sm=123;em//tb=491
 em//tb=240

Williamson=20
 Dahlgren=40
 Strickler=40
 Strickler=80
 Williamson=80
 Ornl=209
 Fan=80+920
 Fan=40+60
 Fan=40
 Freudenberg=80
 Freudenberg=40
 Freudenberg=40
 Myatt=105

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04				FY05				FY06				FY07				FY08												
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
Winding and Assembly Design																																					
1403-11	Prepare assembly / interface drawings for ICDs	15OCT03A	268*	30SEP04A		100	9,304.29	40	Hargrove,Lovett=36each																												
1403-12	Finalize and approve all ICDs	01MAR04A	173*	30SEP04A		100	4,632.84	40	Williamson=36																												
1403-15	Prepare winding form asm / detail drawings	03NOV03A	265*	30SEP04A		100	62,028.58	40																													
1403-48	Update design basis document	26APR04A	47*	30JUN04A		100	15,442.80	40	Williamson=120																												
1403-11.1	Compl assembly / interface drawings for ICDs	01NOV04*	20	30NOV04	180		29,448.00	40	Hargrove,Lovett=80 williamson=40																												
1403-16	Assembly bolts, nuts,washers	01NOV04*	15	19NOV04	135		11,779.20	40	lovett=80																												
1403-17	Assembly shims	22NOV04*	15	14DEC04	135		11,779.20	40	lovett=80																												
1403-18	Eccentric ball assembly	15DEC04*	15	12JAN05	135		11,779.20	40	lovett=80																												
1403-19	Top assembly dwgs for mod coil shell	13JAN05*	20	09FEB05	135		17,668.80	40	lovett=120																												
MCWF & Winding Analysis/Testing																																					
1403-FY04	Analysis fy04	01JUN04A	108*	30SEP04A		100	48,517.50	40																													
1403-27	Prepare thermal, electrical analysis report	02FEB04A	128*	30JUL04A		100	20,590.40	40	Williamson=160																												
1403-27A	Update winding pack thermal/hydraulic analysis	01JUN04A	97*	30SEP04A		100	20,590.40	40	Williamson=160																												
1403-40.3X	Modify MCWF Contract Documents & drawings	01AUG04A	43*	30SEP04A		100	20,590.40	40	williamson=160																												
1403-42	Complete FDR Struct Analysis Report	01JUN04A	108*	30SEP04A		100	30,859.60	40	fan=160;nelson=20;williamson=20																												
1403-42B	Modify ORNL beam test setup provide torsional ld	01JUN04A	108*	30SEP04A		100	5,147.60	40	nelson=40																												
1403-42C	Revise analysis incorp final modeling changes	15JUL04A	77*	30SEP04A		100	34,552.80	40	Myatt=120hrs (\$15k); freudenberg=120																												
1403-42E	Complete checking struct calculations	01AUG04A	65*	30SEP04A		100	17,945.60	40	brooks,williamson & myatt=40 each																												
1403-44	Prepare final drawings for winding forms, asm	01MAR04A	75*	30JUN04A		100	82,232.91	40	Jones,Lovett,Hargrove=640																												
1403-45	Check and promote models / drawings	01MAR04A	97*	15JUL04A		100	120,704.72	40	etc= miller,williamson,cole,lovett,brown=640 + 288 ecp6																												
1403-46	Update build-to specification / SOW	01MAR04A	75*	30JUN04A		100	15,442.80	40	Williamson=120																												
1403-70	Complete non-linear model revisions	01SEP04A	31*	30SEP04A		100	0.00	40																													
1403-40.2X	Multifilament coils file incl leads	01NOV04*	9*	11NOV04	191		5,889.60	40	williamson=40																												
1403-42D	Fracture fatigue analysis for MCWF	01NOV04*	22	02DEC04	178		10,073.40	40	brooks=60																												
1403-42D.0	Determine Fatigue properties	01NOV04*	22	02DEC04	1,213		3,357.80	40	heizenroeder=20																												
1403-42G	WP beam FEA modeling	01DEC04*	21	06JAN05	132		2,944.80	40	freudenberg=20																												
1403-47A	Update,review & approve FMECA	01DEC04*	16	22DEC04	164		5,889.60	40	Williamson=80																												
1403-42F	Perform WP beam tests at ORNL	01DEC04*	21	06JAN05	159		26,503.20	40	battiste=180,																												
1403-42A	WP beam bending results documentation	01NOV04*	22	02DEC04	178		5,889.60	40	nelson=40																												
1403-47B	det boundary conditions single nonlinear windng	01NOV04*	22	02DEC04	178		6,370.00	40	myatt=20 hrs																												
1403-40.2Z	Update nonlinear winding pack analysis	01AUG04A	82*	24NOV04	182 80		78,426.58	40	freudenberg=480;williamson=40 nelson=4Myatt=40 (\$5k)																												
1403-73	Prep struct analysis report	24NOV04*	11*	10DEC04	1,207		11,779.20	40	FREUDENBERG =80hr ;																												
1403-90	Compile Material properties database	03JAN05*	42	01MAR05	1,156		13,431.20	40	hm fan=80																												
1403-74	check analysis using simplified models	19OCT04*	32	03DEC04	1,212		40,293.60	40	FAN =240hr ;																												
1403-42H	calculate EM loads at leads	11NOV04*	6*	18NOV04	186		8,834.40	40	williamson=60																												
1403-76	Structural analysis of leads	18NOV04*	11*	06DEC04	1,211		11,779.20	40	FREUDENBERG =80hr ;																												
1403-47C	Backup analysis/check of leads	07JAN05*	27	14FEB05	132		6,715.60	40	fan=40																												
Winding and Assembly Design-Type C																																					
1403-49	Update cost / schedule estimates	11JAN05*	6*	18JAN05	151		5,889.60	40	Williamson=40																												

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
1403-20	Mod Coil Winding Type C FDR		0	14FEB05*	132		0.00	40													***** ▲ JOULE MILESTONE Q3 6/30/05 ***** ■ WILLIAMSON =40hr ; ▼																																															
1403-20.2	Resolve FDR chits	15FEB05*	5	21FEB05	1,162		5,889.60	40																																																												
1403-20.1	Mod Coil Type C Fab Preparedness Review		0	25MAY05*	122		0.00	40																																																												
Job:1404-MCWF R&D & 1st Prod Casting-HEITZENROED																																																																				
0000																																																																				
1404-002	Apr-Sept YTD MIE Cost ORNL	01APR03A	64*	30SEP03A		100	100,220.00	0																																																												
1404-003	Apr-Sept YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	64,670.00	0																																																												
1404-ECP16	ecp16	01OCT03A	64*	30SEP04A		100	93,000.00	0																																																												
Prototype Design Issues																																																																				
1404-109.J	JOULE MILESTONE #1-Authorize Prototype Fab		0	20OCT03A		100	0.00	0																																																												
1404-110.J	JOULE MILESTONE #3-Prototype Casting Made		0	28MAY04A		100	0.00	0																																																												
3000	Issue Type C final drawings to EIO & JPP		0	30SEP04A		100	0.00	40																																																												
1404-65	Fabrication oversight by Project	01OCT03A	213*	30JUN04A		100	132,000.00	40																																																												
1404-66	Proposal evaluation & contract oversight	01AUG04A	43*	30SEP04A		100	15,627.06	40																																																												
EIO Subcontract (S04341F)																																																																				
1404-100	EIO-Cost FY03	01MAY03A	10	30SEP03A		100	307,170.24	40																																																												
1404-105	EIO-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		100	571,337.28	40																																																												
1404-106	contract balance ECP 11	01JUL04A	0*	31AUG04A		100	119,610.00	40																																																												
1404-107	EIO-Suspend Prototype work ECP 11		0	06AUG04A		100	0.00	40																																																												
3010	Vendor #1 Contract Amended	09AUG04A	0*	13AUG04A		100	0.00	40																																																												
PPC-1	Engr & Flow Solidification	01SEP04A	32*	15OCT04		222	21,570.00	40																																																												
PPC-2	Lawton mold Assy	22SEP04A	48*	30NOV04		192	227,630.00	40																																																												
PPC-3	Materials	01OCT04*	21*	29OCT04		212	39,150.00	40																																																												
PPC-4	Build Pattern & Pour Casting	01DEC04*	21*	31DEC04		192	16,610.00	40																																																												
PPC-5	Clean/Inspect Casting	04JAN05*	4*	07JAN05		192	0.00	40																																																												
PPC-5C	contract resolution setaside	01OCT04*	66*	07JAN05		1,224	30,000.00	40																																																												
PPC-6	Oversight/Reporting	04AUG04A	103*	31DEC04		1,228	27,040.00	40																																																												
JP Pattern Subcontract (S04340F)																																																																				
1404-200	JPP- cost FY03	01MAY03A	10	30SEP03A		100	92,170.40	40																																																												
1404-205	JPP-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		100	417,120.34	40																																																												
1404-206	JPP- July forecast ECP 11	01JUL04A	0*	31AUG04A		100	143,372.50	40																																																												
3110	Contract balance	30SEP04A	2*	30SEP04A		C	74,000.00	40																																																												
MCWF Fracture Analysis																																																																				
1404-FR1	Rough machine specimens, Lot 1 (17 pcs.) at PPPL	15JUL04A	10	29JUL04A			1,305.60	40																																																												
1404-FR2	Machine Lot 1 specimens to ASTM spec (Crystal En	02AUG04A	10	20AUG04A			1,082.90	40																																																												
1404-FR3	Test Lot 1 specimens - 17 pcs. At \$260	20AUG04A	40*	15OCT04		215	5,770.86	40																																																												
1404-FR4	Rough machine Lot 2 (11 specimens) at PPPL	16AUG04A	34*	01OCT04		195	845.69	40																																																												
1404-FR5	Machine Lot 2 specimens to ASTM spec. (Crystal E	04OCT04*	10	15OCT04		195	1,041.75	40																																																												
1404-FR6	Test Lot 2 specimens @NHMFL 11 pcs.	18OCT04	20	12NOV04		195	3,972.54	40																																																												

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08																																															
									A	M	J	J	A	S	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M																																																				
1404-FR7	Engineering coordination	15JUL04A	76*	29OCT04	1,269		6,507.47	40	ea/em=40																																																																																															
Job: 1411-MCWF Fabrication S005242-HEITZENROEDER																																																																																																								
Type C Castings																																																																																																								
172-031	Title III engr	24MAY04A	589*	29SEP06	760		169,689.42	40	Heitzenroeder =342hr; Williamson = 200 hr ; travel=\$48k																																																																																															
1064.1	Payment #1 Reporting &Materials	15OCT04*	146	13MAY05	1,134		1,019,250.00	10	41=500; 48=324.746																																																																																															
1064.2	Payment #2 Pattern work	15NOV04*	20	14DEC04	1,239		153,270.00	10	48=153.27																																																																																															
1064.3	Payment #3 Pattern work and Major Tool Startup	15DEC04*	19	13JAN05	1,220		610,970.00	10	48=610.974																																																																																															
1064.4	Payment #4 Pattern work	14JAN05*	22	14FEB05	1,198		145,570.00	10	48=145.57																																																																																															
1064.5	Payment #5 Pattern work and Major Tool	15FEB05*	20	14MAR05	1,178		256,650.00	10	256.65																																																																																															
1064.6	Payment #6 Pattern Work&Deliver C1 for machining	15MAR05*	23	14APR05	1,155		158,510.00	10	48=158.507																																																																																															
1064.7	Payment #7 Deliver C-2 for Machining	15APR05*	16	06MAY05	1,139		178,670.00	10	48=178.676																																																																																															
1071	Payment #8 Ship C-1 to PPPL	09MAY05*	5	13MAY05	107		333,590.00	10	48=333.588																																																																																															
C-121.1	First MCWF C-1 Delivered		0	13MAY05	107		0.00	10																																																																																																
1092	Payment #9 Ship C-2 to PPPL	16MAY05	44*	14JUL05	107		333,590.00	10	48=333.588																																																																																															
1091	Second Casting C-2 Delivered to PPPL		0	14JUL05	107		0.00	10																																																																																																
1112	Payment #10 Ship A-1 to PPPL	15JUL05	17	08AUG05	111		333,580.00	10	48=333.588																																																																																															
1111	Third Casting A-1 Delivered to PPPL		0	08AUG05	111		0.00	10																																																																																																
C-321	Payment #11 Castings-C-3	09AUG05	16	30AUG05	111		333,590.00	10	48=333.588																																																																																															
C-401	Payment #12 Castings-B-1	02SEP05	15	22SEP05	111		333,590.00	10	48=333.588																																																																																															
C-461.1	Payment #13 accrual	30SEP05*	1	30SEP05	1,034		333,590.00	10	48=333.588																																																																																															
C-461	Payment #13 Castings-A-2	27SEP05	15	17OCT05	111		0.00	10																																																																																																
Type B Castings																																																																																																								
C-141	Payment #14 Castings-A-3	20OCT05	19	15NOV05	111		333,590.00	10	48=333.588																																																																																															
C-201	Payment #15 Castings-A-4	16NOV05	19	12DEC05	111		333,590.00	10	48=333.588																																																																																															
C-281	Payment #16 Castings-A-5	15DEC05	19	10JAN06	111		333,580.00	10	48=333.588																																																																																															
C-341	Payment #17 Castings-A-6	13JAN06	19	08FEB06	111		333,590.00	10	48=333.588																																																																																															
C-421	Paymenmt #18 Castings-B-2	13FEB06	19	09MAR06	111		333,590.00	10	48=333.588																																																																																															
C-481	Payment #19 Castings-B-3	14MAR06	19	07APR06	111		333,590.00	10	48=333.588																																																																																															
Type A Castings																																																																																																								
C-161B	Payment #20 Castings-B-4	12APR06	19	08MAY06	111		333,590.00	10	48=333.588																																																																																															
C-221B	Payment #21 Castings-B-5	11MAY06	18	05JUN06	111		333,590.00	10	48=333.588																																																																																															
C-301B	Payment #22 Castings-B-6	08JUN06	18	03JUL06	111		244,250.00	10	48=244.25																																																																																															
C-301B.1	Payment #22 Castings- C-4	04JUL06	17	26JUL06	111		244,250.00	10	48=244.25																																																																																															
C-361B	Payment #23 Castings-C-5	27JUL06	17	18AUG06	111		333,590.00	10	48=333.588																																																																																															
C-441B	Payment #24 Castings C-6	23AUG06	17	14SEP06	111		192,770.00	10	48=192.776																																																																																															
C-501B1	Last MCWF Delivered		0	14SEP06	111		0.00	10																																																																																																
142 - Modular Coil Windings and Assembly																																																																																																								
Job: 1403 - Modular Coil Final Design-WILLIAMSON																																																																																																								
MCWF & Winding Analysis/Testing																																																																																																								
1403-ECP16	eCP16	01JUN04A	108*	30SEP04A	100		139,000.00	40																																																																																																
Winding and Assembly Design-Type C																																																																																																								
1403-202	G-10 Filler Dwgs (24)-Type C ??????????????	01JAN04A	227*	30SEP04A	100		13,512.45	40																																																																																																

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M										
1403-200	Winding & Insulation Dwgs (8)-Type C	01JAN04A	250*	03JAN05	162	35	26,953.21	40	[Gantt bars for FY04]												LOVETT =28hr ; HARGROVE =07hr ; ORNL ENGR =09hr ; WILLIAMSON =160hr ;																																															
1403-201	Leads & crossover Dwgs (10)-Type C	01JAN04A	250*	03JAN05	162	35	35,142.95	40	[Gantt bars for FY04]												ORNL ENGR =65hr ; HARGROVE =28hr ; FOGARTY =56hr ; LOVETT =120hr ;																																															
1403-203	Clamp Dwgs (5)-Type C	01JAN04A	273*	03FEB05	139	30	28,542.58	40	[Gantt bars for FY04]												MILLER =24hr ; WILLIAMSON =10hr ; LOVETT =180hr ;																																															
1403-204	Chill Plate Dwgs (66)-Type C	01SEP04A	80*	03JAN05	162	20	33,621.73	40	[Gantt bars for FY04]												WILLIAMSON =08hr ; ORNL ENGR =32hr ; HARGROVE =200hr ;																																															
1403-220	Cladding assembly-Type C	03JAN05*	25	04FEB05	138		26,503.20	40	[Gantt bars for FY05]												HARGROVE =180hr ;																																															
1403-219	MCWF studs,modifications-Type C	08OCT04*	10	21OCT04	163		5,889.60	40	[Gantt bars for FY04]												LOVETT =40hr ;																																															
1403-221	Lead ends & closure-Type C	22OCT04	15	11NOV04	163		11,779.20	40	[Gantt bars for FY04]												LOVETT =80hr ;																																															
1403-222	Terminal assembly-Type C	01DEC04*	28	17JAN05	152		11,779.20	40	[Gantt bars for FY04]												LOVETT =80hr ;																																															
1403-223	Top level coil assembly-Type C	03FEB05*	6	10FEB05	134		5,889.60	40	[Gantt bars for FY05]												LOVETT =40hr ;																																															
1403-224	VPI mold assembly0-Type C	04JAN05*	15	24JAN05	147		11,779.20	40	[Gantt bars for FY05]												LOVETT =80hr ;																																															
1403-206	Cooling, Electr Schematic Dwgs (1)- Type C	28OCT04*	10*	10NOV04	192		11,779.20	40	[Gantt bars for FY04]												WILLIAMSON =80hr ;																																															
1403-208	I&C Dwgs (1) -Type C	25OCT04*	5*	29OCT04	200		5,889.60	40	[Gantt bars for FY04]												williamson= 40																																															
1403-58C	Check and promote models / drawings -Type C	05NOV04*	48*	21JAN05	148		29,448.00	40	[Gantt bars for FY04]												COLE =200hr ;																																															
1403-60	Update design basis document	06DEC04*	10*	17DEC04	167		11,779.20	40	[Gantt bars for FY04]												Williamson=80																																															
1403-62	Prepare FDR documentation / presentations	28JAN05*	5*	03FEB05	139		5,889.60	40	[Gantt bars for FY05]												Williamson=40																																															
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	04FEB05*	5*	10FEB05	196		5,889.60	40	[Gantt bars for FY05]												WILLIAMSON =40hr ;																																															
1403-59	Update build-to specifications	03JAN05*	1*	03JAN05	224		5,889.60	40	[Gantt bars for FY05]												Williamson=40																																															
Winding and Assembly Design-Type B																																																																				
1403-419	MCWF studs,modifications-Type B	01APR05*	15	21APR05	241		5,889.60	40	[Gantt bars for FY05]												LOVETT =40hr ;																																															
1403-420	Cladding assembly-Type B	28FEB05*	10*	11MAR05	270		11,779.20	40	[Gantt bars for FY05]												HARGROVE =80hr ;																																															
1403-401	Leads & crossover Dwgs (10)-Type B	01MAR05*	5	07MAR05	264		5,889.60	40	[Gantt bars for FY05]												LOVETT =40hr ;																																															
1403-400	Winding pack assy Dwgs (8)-Type B	28FEB05*	5*	04MAR05	275		5,889.60	40	[Gantt bars for FY05]												WILLIAMSON =40hr ;																																															
1403-421	Lead ends & closure-Type B	08MAR05	5	14MAR05	264		5,889.60	40	[Gantt bars for FY05]												LOVETT =40hr ;																																															
1403-422	Terminal assembly-Type B	15MAR05	5	21MAR05	264		5,889.60	40	[Gantt bars for FY05]												LOVETT =40hr ;																																															
1403-404	Chill Plate Dwgs (66)-TypeB	07MAR05*	10*	18MAR05	265		11,779.20	40	[Gantt bars for FY05]												HARGROVE =80hr ;																																															
1403-424	VPI mold assembly0-Type B	21APR05*	6	28APR05	236		5,889.60	40	[Gantt bars for FY05]												LOVETT =40hr ;																																															
1403-403	Clamp Dwgs (5)-Type B	21APR05*	6	28APR05	236		5,889.60	40	[Gantt bars for FY05]												LOVETT =40hr ;																																															
1403-406	Cooling, Electr Schematic Dwgs (1)-Type B	18FEB05*	5*	24FEB05	281		5,889.60	40	[Gantt bars for FY05]												WILLIAMSON =40hr ;																																															
1403-408	I&C Dwgs (1) -Type B	28FEB05*	5*	04MAR05	275		5,889.60	40	[Gantt bars for FY05]												WILLIAMSON =40hr ;																																															
1403-423	Top level coil assembly-Type B	29MAR05*	5*	04APR05	254		5,889.60	40	[Gantt bars for FY05]												LOVETT =40hr ;																																															
1403-58B	Check and promote models / drawings -Type B	05APR05*	5*	11APR05	249		5,889.60	40	[Gantt bars for FY05]												COLE =40hr ;																																															
1403-80	Update design basis doc & cost sched est	21APR05*	10*	04MAY05	232		5,889.60	40	[Gantt bars for FY05]												ORNL ENGR =40hr ;																																															
1403-72.06	Update build-to spec	21MAR05*	3*	23MAR05	262		3,357.80	40	[Gantt bars for FY05]												Williamson=20																																															
1403-81	Prepare FDR doc	11APR05*	3*	13APR05	247		2,944.80	40	[Gantt bars for FY05]												WILLIAMSON =20hr ;																																															
1403-72	Final Design Review Production Type B		0	04MAY05*	232		0.00	40	[Gantt bars for FY05]												▼																																															
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	04MAY05*	3*	06MAY05	280		3,357.80	40	[Gantt bars for FY05]												Williamson=20																																															
1403-72.07	Resolve FDR comments	05MAY05	3	09MAY05	279		3,357.80	40	[Gantt bars for FY05]												Williamson=20																																															
1403-72.1	Fab Readiness Review - Production Type B		0	09MAY05*	279		0.00	40	[Gantt bars for FY05]												▼																																															

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EC18

NCSX
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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04				FY05				FY06				FY07				FY08												
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
Winding and Assembly Design-Type A																																					
1403-319	MCWF studs,modifications-Type A	18MAY05*	5'	24MAY05	323		5,889.60	40	LOVETT =40hr ;																												
1403-320	Cladding assembly-Type A	25MAY05*	10'	08JUN05	313		11,779.20	40	HARGROVE =80hr ;																												
1403-301	Leads & crossover Dwgs (10)-Type A	25MAY05*	5'	01JUN05	318		5,889.60	40	LOVETT =40hr ;																												
1403-300	Winding pack assy Dwgs (8)-Type A	25MAY05*	5'	01JUN05	318		5,889.60	40	WILLIAMSON =40hr ;																												
1403-321	Lead ends & closure-Type A	02JUN05*	5'	08JUN05	313		5,889.60	40	LOVETT =40hr ;																												
1403-322	Terminal assembly-Type A	09JUN05*	5'	15JUN05	308		5,889.60	40	LOVETT =40hr ;																												
1403-304	Chill Plate Dwgs (66)-Type A	02JUN05*	10'	15JUN05	308		11,779.20	40	HARGROVE =80hr ;																												
1403-324	VPI mold assembly0-Type A	16JUN05*	5'	22JUN05	303		5,889.60	40	LOVETT =40hr ;																												
1403-303	Clamp Dwgs (5)-Type A	16JUN05*	5'	22JUN05	303		5,889.60	40	LOVETT =40hr ;																												
1403-306	Cooling, Electr Schematic Dwgs (1)-Type A	16MAY05*	5'	20MAY05	325		5,889.60	40	WILLIAMSON =40hr ;																												
1403-308	I&C Dwgs (1) -Type A	25MAY05*	5'	01JUN05	318		5,889.60	40	WILLIAMSON =40hr ;																												
1403-323	Top level coil assembly-Type A	23JUN05*	5'	29JUN05	298		5,889.60	40	LOVETT =40hr ;																												
1403-58A	Check and promote models / drawings -Type A	06JUL05*	5'	12JUL05	290		5,889.60	40	COLE =40hr ;																												
1403-904	Update cost/sched estimates&Design Basis doc.	04AUG05*	5'	10AUG05	269		5,889.60	40	WILLIAMSON =40hr ;																												
1403-900	Prep FDR Documentation	01AUG05*	3'	03AUG05	274		2,944.80	40	WILLIAMSON =20hr ;																												
1403-71	FDR Production Type A Mod Coil Winding		0	10AUG05*	269		0.00	40	▼																												
1403-901	Resolve FDR comments	10AUG05*	3'	12AUG05	320		2,944.80	40	WILLIAMSON =20hr ;																												
1403-902	Update build-to spec	27JUL05*	3'	29JUL05	330		2,944.80	40	WILLIAMSON =20hr ;																												
1403-71.05	Update MIT/QA Plans for Type A Winding Fab	10AUG05*	3'	12AUG05	320		2,944.80	40	Williamson=20																												
1403-71.1	Fab Readiness Review - Production Type A		0	12AUG05*	320		0.00	40	▼																												
Twisted Racetrack Design (Williamson)																																					
1406-097	Verify Conductor Dims	01OCT03A	3	03OCT03A		100	2,573.80	40																													
1406-098	Complete Drawings of Casting	13OCT03A	21	26NOV03A		100	15,442.80	40																													
1406-099	Review/Approve Casting Drawings	26NOV03A	10	26NOV03A		100	15,442.80	40																													
1406-101	Prepare Clamp & Chill Plate detail Drawings	14MAY04A	99*	30SEP04A		100	50,703.86	40	etc= hargrove=160 +234 ecp6																												
1406-101.1	Winding block dwgs for prototype leads????????	01JUN04A	87*	30SEP04A		100	20,590.40	40	fogarty=160																												
1406-105	Prepare ANSYS thermal analysis model	31OCT03A	3	31OCT03A		100	2,573.80	40																													
1406-106	Analyze Thermal Behavior due to pulse	31OCT03A	3	31OCT03A		100	2,573.80	40																													
1406-107	Calculate EM Loads due to max current	03NOV03A	3	26NOV03A		100	5,147.60	40																													
1406-108	Prep MECHANICA Struct Analysis Model	03NOV03A	3	26NOV03A		100	5,147.60	40	freundenberg=40																												
1406-109	Analyze Stress/deflection due to cooldown,pulse	01SEP04A	5'	30SEP04A		100	5,147.60	40	ornlem=240																												
1406-111	Write papers and present at conferences	01SEP04A	241*	30SEP04A		100	30,885.60	40																													
1406-102	Review/Approve Clamp& Chill Plate Dwgs	01JUN04A	95'	13OCT04	1,249	90	21,915.16	40	etc= miller,nelson,cole,williamson=74 + 72 baseline																												
1406-103.1	Prepare for Twisted Racetrack FDR	01SEP04A	32*	15OCT04	147	70	16,208.00	40	fogarty,freundenberg,nelson,williamson=120																												
1406-104	Prepare Draft of Coil Test Plan	01OCT03A	254*	06OCT04	269	75	5,159.29	40	nelson=40																												
1406-110	Finalize, Approve coil test plan	01DEC03A	241*	15NOV04	241	75	10,492.25	40	nelson=80																												
1406-103.0	Prep MIT plan	01OCT04*	4'	06OCT04	1,254		2,686.24	40	chrzanowski=16																												
1406-103.2	Twisted Racetrack FDR		0	15OCT04*	147		0.00	40	▼																												
1406-103.3	Resolve TRC FDR Issues	07OCT04*	4'	12OCT04	1,250		2,355.84	40	williamson=16																												

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 CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

EC18

NCSX
ECP 18

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	Gantt Chart																																																					
									FY04				FY05				FY06				FY07				FY08																																					
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
1406-150	Winding pack assy	01OCT04*	2*	04OCT04	1,256		1,177.92	40	ORNL ENGR =08hr ;																																																					
1406-151	Lead ends & closure	01OCT04*	2*	04OCT04	1,256		1,177.92	40	ORNL ENGR =08hr ;																																																					
1406-152	Terminal Assy	04OCT04*	20*	29OCT04	1,237		1,177.92	40	ORNL ENGR =08hr ;																																																					
1406-153	VPI mold assy	05OCT04*	1*	05OCT04	1,255		1,177.92	40	ORNL ENGR =08hr ;																																																					
1406-154	Clamp assy	06OCT04*	1*	06OCT04	1,254		1,177.92	40	ORNL ENGR =08hr ;																																																					
1406-155	Cooling ,electr schematics	05OCT04*	1*	05OCT04	1,255		1,177.92	40	ORNL ENGR =08hr ;																																																					
1406-156	I&C dwgs	06OCT04*	1*	06OCT04	1,254		1,177.92	40	ORNL ENGR =08hr ;																																																					
1406-157	Build to specification	01OCT04*	4*	06OCT04	1,254		2,355.84	40	dw=16																																																					
TITLE2TRC	Titel III Design-TRC FAB	01OCT04*	164*	31MAY05	1,094		54,842.40	40	WILLIAMSON=160 travel=\$18k																																																					
Job: 1405-Mod Coil Winding R&D Prep-CHRZANOWSKI																																																														
0000																																																														
1405-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30MAY03A			0.00	0																																																						
1405-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30MAY03A			168,070.00	0																																																						
Job: 1406 - Mod. Coil Winding R&D-CHRZANOWSKI																																																														
0000																																																														
1406-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30SEP03A			0.00	0																																																						
1406-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A			831,120.00	0																																																						
Oversight & Supervision																																																														
1406-049	Increased cost of FDR support ECP 11	01OCT03A	20	28MAY04A			292,000.00	40																																																						
1406-000	Supervision & Oversight	01OCT03A	180	28MAY04A			106,644.80	40	Chrzanowski=355; Meighan= 471																																																					
1406-000.1	Supervision & Oversight	01JUN04A	86*	30SEP04A			114,912.00	40	Chrzanowski=288; Meighan= 432;raftopolous=144																																																					
1406-000.2	Supervision & Oversight	01OCT04*	41*	30NOV04	1,217	LOE	39,362.76	40	Chrzanowski=96 Meighan= 8;raftopolous=8																																																					
1406-048	Testing & Strain Gauge Design	01OCT03A	20	31OCT03A			24,253.50	40																																																						
Keystone R&D																																																														
1406-001	Purchase 10 spools conductor (twisted racetrack)	03NOV03A	40*	23DEC03A			7,644.00	40																																																						
1406-003	Purchase 8 spools conductor (long twisted windin	03NOV03A	40*	23DEC03A			7,644.00	40																																																						
1406-005	Purchase epoxy & Insulation	03NOV03A	163*	30JUN04A			5,516.42	40	41=\$5k																																																					
1406-010	Keystone Test for New Conductor	02JAN04A	41*	27FEB04A			6,144.00	40																																																						
1406-011	Purchase add'l copper Conductor	01MAR04A	45*	30APR04A			8,918.00	40	\$.7k for copper																																																					
Twisted Racetrack Hardware Fabrication (Chrzano																																																														
1406-014	Bid, Evaluate and Award Casting to EIO or JPP	01DEC03A	28	23DEC03A			0.00	40																																																						
1406-016.5	PPPL Fabricate TRC Cladding	01SEP04A	31*	14OCT04	148	75	3,175.59	40	thomer=24; 41=\$1k																																																					
1406-016.8	order trc clamps	29JUN04A	1	29JUN04A			0.00	40																																																						
1406-016.9	fab trc clamps	02AUG04A	37	31AUG04A			24,206.00	40	41=\$19k																																																					
1406-016.A	fab trc lead components	01AUG04A	54	15OCT04	162	70	11,066.83	40	thomer=20,machnist=80;41=\$800																																																					
1406-016.B	write procedures, doc mit/qa plan	09JUN04A	90*	14OCT04	148	70	0.00	40																																																						
1406-016	Procure casting from EIO (new scope)	02FEB04A	150*	31AUG04A			127,387.26	40	41=\$.60 + \$40k= \$100k k P#4371																																																					
Testing																																																														
1406-029	Fab New Specimen Molds	01DEC03A	107*	30APR04A			22,992.00	40	Machinist=160; em/tb=80																																																					
1406-029.1	Design samples	01MAR04A	15	31MAR04A			0.00	40																																																						

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04				FY05				FY06				FY07				FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
1406-030	Fab & Pot samples	26JAN04A	108*	28MAY04A		100	31,334.40	40	em/tb=480 etc => 320hrs																											
1406-031	Prep fixtures and test equipt	03NOV03A	141	28MAY04A		100	69,234.00	40	Kozub=160; Jurzynski=160 Machinist=240; 41=\$ 1 k																											
1406-032	Test samples	01MAR04A	65	28MAY04A		100	51,225.60	40	Kozub=240; Jurzynski=240																											
1406-50	Fab Straight Tee Specimen	21JUN04A	14*	30JUN04A		100	17,203.20	40	kearns=112; hause=112																											
1406-51	VPI Tee specimen	12JUL04A	37*	31AUG04A		100	7,680.00	40	kearns=50; hause=50																											
1406-52	Ship Tee specimen to ORNL	31AUG04A	5	31AUG04A		100	637.00	40	41=0.5k																											
1406-54	Complete shear modulus & cyclic testing	01JUN04A	125*	30SEP04A		100	32,277.70	40																												
1406-55	Fab chill plate specimens	01JUN04A	24	30JUN04A		100	12,925.00	40	homer=60; 41=0.5k; anderson=50; terlitz=50																											
1406-56	test chill plate specimens	01AUG04A	0*	31AUG04A		100	6,144.00	40	anderson=40; terlitz=40																											
1406-57	fab cooling tube/chill plate assy	01AUG04A	5	31AUG04A		100	6,398.80	40	anderson=40; 41=0.2k; terlitz=40																											
1406-58	fab MC lead braze specimens	01AUG04A	5	07OCT04	216	90	3,083.46	40	anderson=40																											
1406-033	Prepare Test report	04JAN05*	13*	20JAN05	1,186		0.00	40																												
1406-100	Single conductor torsion test	20OCT04*	23	19NOV04	1,222		6,699.60	40	kozub=40																											
1406-200	Transverse compression at LN2	01NOV04*	5	05NOV04	1,232		2,679.84	40	kozub=16																											
1406-210	Dogbone test @RT	01NOV04*	5	05NOV04	1,232		1,339.92	40	kozub=8																											
1406-215	4 turn racetrack fatigue tests	22NOV04*	25	05JAN05	1,197		29,478.24	40	kozub=176																											
"Inchworm" Twisted Winding																																				
1406-119	Join straight sections w/2 end loops	01OCT03A	79*	30JAN04A		100	31,590.00	40																												
1406-120	Wind Conductor	30JAN04A	86*	28MAY04A		100	18,432.00	40	em/tb=240																											
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	30JAN04A	0			100	0.00	40																												
Job: 1410 MC Twisted Racetrack Fabr-CHRZANOWSKI																																				
Twisted Racetrack Hardware Fabrication (Chrzano)																																				
1406-016.0	Oversight & Supervision	01NOV04*	122*	29APR05	1,115		212,153.40	40	chrzanowski=768 (80%) meighan =672 (70%) Raftopolous=60																											
1406-016.6	PPPL Fabricate TRC Chill plates	05NOV04*	40	11JAN05	138		2,950.95	40	hroner=24; 41=\$1k																											
1406-016.7	PPPL Fabricate TRC Tubing	05NOV04*	40	11JAN05	138		3,459.80	40	hroner=40; 41=\$200																											
1406-016.1	Inspect & Measure Casting	11OCT04*	20	05NOV04	132		0.00	40																												
1406-016.2	Install Studs	01NOV04*	5	05NOV04	122		3,182.00	40	anderson=40																											
1406-106.3	Winding Trials (wo/ cladding)	08NOV04	10	19NOV04	122		12,728.00	40	anderson=80; terlitz=80																											
1406-017	Instl cladding(station 2)	22NOV04	15	14DEC04	122		12,728.00	40	terlitz=80, anderson=80																											
1406-017.1	Instl grd wrap & wind coil(station 2)	15DEC04	30	02FEB05	122		31,820.00	40	terlitz=200, anderson=200																											
1406-017.2	Instl chill plates & tubing (station 2)	03FEB05	20	02MAR05	122		12,728.00	40	terlitz=80, anderson=80																											
1406-017.3	Cmplt Assy of twisted racetrack (Joule milestone)		0	02MAR05	1,157		0.00	40	***** JOULE MILESTONE Q2 3/31/05 *****																											
1406-018	Apply bag mold (station 4)	03MAR05	20	30MAR05	122		12,728.00	40	kearns=80, hause=80																											
1406-ST1	Fab Straight Tee Specimen	13DEC04*	10	03JAN05	164		12,728.00	40	kearns, hause=80 each																											
1406-ST2	Straight Tee VPI Prep	04JAN05	10	17JAN05	164		12,728.00	40	kearns, hause=80 each																											
1406-ST3	VPI Tee Specimen	18JAN05	10	31JAN05	164		12,728.00	40	kearns, hause=80 each																											
1406-019	VPI TRC in autoclave	31MAR05	20	27APR05	122		28,638.00	40	kearns, hause, anderson, terlitz=90 each																											

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M																						
1406-019.1	Instl permanent clamps	28APR05	10	11MAY05	122		12,728.00	40																																																												
1406-020	Begin Testing of Twisted RT in Coil test Stand	12MAY05	0		122		0.00	40																																																												
1406-021	Test Coil	12MAY05	5	18MAY05	122		32,284.72	40																																																												
1406-023	Dissect Coil	19MAY05	5	25MAY05	122		6,364.00	40																																																												
Job: 1412 - Complete Winding Facilities-CHRZANOW																																																																				
Remaining fixtures & tooling																																																																				
1408-999	3rd winding line conductor payout sys	01FEB05*	82	25MAY05	170		69,584.16	40																																																												
Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI																																																																				
0000																																																																				
1408-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64	30SEP03A		100	29,790.00	0																																																												
Epoxy																																																																				
1408-111	Epoxy - Requisition	04JAN05*	5	10JAN05	310		0.00	40																																																												
1408-114	Epoxy -Evaluate Bids & Award	11JAN05	15	31JAN05	310		0.00	40																																																												
1408-117	Epoxy -1st Delivery for Production	01AUG05*	20	26AUG05	183		20,835.00	40																																																												
1408-119	Epoxy -2nd Delivery for Production	01DEC05*	20	05JAN06	140		19,350.00	40																																																												
1408-121	Epoxy -3rd Delivery for Production	01FEB06*	20	28FEB06	142		19,350.00	40																																																												
1408-123	Epoxy -4th Delivery for Production	03APR06*	20	28APR06	135		19,350.00	40																																																												
1408-125	Epoxy -5th Delivery for Production	01JUN06*	20	28JUN06	129		19,350.00	40																																																												
1408-127	Epoxy -6th Delivery for Production	01AUG06*	5	07AUG06	135		19,350.00	40																																																												
Insulation for conductor																																																																				
1408-101	Insulation-Spec & Requisition	09JUL04A	3*	13JUL04A		100	0.00	40																																																												
1408-103	Insulation-Prep & Issue RFQ/RFP	01AUG04A	10	20AUG04A		100	0.00	40																																																												
1408-104	Insulation-Evaluate Bids & Award	23AUG04A	5	31AUG04A		100	0.00	40																																																												
1408-107	Insulation-Delivery for Production	01DEC04*	11	15DEC04	231		6,945.00	40																																																												
Copper Conductor																																																																				
1408-141	Copper Conductor -Spec & Requisition	02AUG04A	3	27AUG04A		100	2,571.20	40																																																												
1408-142	Copper Conductor -Prep & Issue RFQ/RFP	30AUG04A	23*	30SEP04A		90	0.00	40																																																												
1408-143	Copper Conductor -Evaluate Bids & Award	30SEP04A	5	30SEP04A			0.00	40																																																												
1408-143.1	Mod Coil Copper Conductor Awarded		0	01OCT04A			0.00	40																																																												
1408-147	Copper Conductor -Delivery #1 PE005371	01OCT04*	56	21DEC04	227		130,149.30	40																																																												
1408-145	Copper Conductor -Delivery #2 PE005371	22DEC04	69	05APR05	303		130,149.30	40																																																												
Chill Plates,Cladding&Tubing																																																																				
1408-131L	Chill Plates -Spec & Requisition	15FEB05	10	28FEB05	132		0.00	40																																																												
1408-133L	Chill plates -Bid & Award Material	01MAR05	20	28MAR05	132		0.00	40																																																												
1408-137L	Chill plates ,cladsding,tubing Fab Type C1	04APR05*	20	29APR05	128		7,753.00	40																																																												
1408-137L1	Chill plates ,cladsding,tubing Fab Type C2	02MAY05	20	27MAY05	130		7,753.00	40																																																												
1408-137L2	Chill plates ,cladsding,tubing Fab Type A1	31MAY05	25	05JUL05	130		7,753.00	40																																																												
1408-137L3	Chill plates ,cladsding,tubing Fab Type C3	06JUL05	25	09AUG05	130		7,753.00	40																																																												
1408-137L4	Chill plates ,cladsding,tubing Fab Type B1	10AUG05	25	14SEP05	130		7,753.00	40																																																												
1408-137L5	Chill plates ,cladsding,tubing Fab Type A2	15SEP05	25	19OCT05	130		7,766.83	40																																																												

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- CD-3 Proposed Baseline
- Progress Bar
- Critical Activity

EC18

**NCSX
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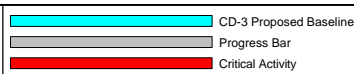
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04				FY05				FY06				FY07				FY08												
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
P1-061	Receive B4, Prep& Instl Cladding(Station 1A)	09MAY06	12	24MAY06	124		0.00	40																													
P1-151	Receive B5, Prep& Instl Cladding(Station 1A)	06JUN06	12	21JUN06	117		0.00	40																													
P2-061	Receive B6, Prep& Instl Cladding(Station 1A)	05JUL06	12	20JUL06	110		0.00	40																													
P2-151	Receive C4, Prep& Instl Cladding(Station 1A)	27JUL06	12	11AUG06	107		0.00	40																													
P3-061	Receive C5, Prep& Instl Cladding(Station 1A)	21AUG06	12	06SEP06	110		0.00	40																													
P3-151	Receive C6, Prep& Instl Cladding(Station 1A)	15SEP06	12	02OCT06	104		0.00	40																													
Station 2-Winding, Instl Chill Plates,Tubing,Bag																																					
P1-011	Wind coil C-1 (station 2)	02JUN05*	49	10AUG05	118		0.00	40																													
P1-011J	Complete Winding First Modular Coil		0	10AUG05	118		0.00	40																													
P1-020	Instl Chill Plates,Tubing, Bag C1 (Station 2)	11AUG05	33	27SEP05	118		0.00	40																													
P2-101	Wind coil C-3 (station2)	28SEP05	38	18NOV05	118		0.00	40																													
P2-110	Instl Chill Plates,Tubing, Bag C3(Station 2)	21NOV05	25	04JAN06	118		0.00	40																													
P1-041	Wind coil A3 (station 2)	05JAN06	38	27FEB06	118		0.00	40																													
P1-050	Instl Chl Plates,Tubing,Bag A3(Station 2)	28FEB06	25	03APR06	118		0.00	40																													
P2-131	Wind coil A6 (station 2)***2 SHIFT***	04APR06	19	28APR06	123		0.00	40																													
P2-140	Instl Chl Plates,Tubing, Bag A6(Station 2) 2shft	01MAY06	12	16MAY06	123		0.00	40																													
P1-071	Wind coil B4 (station 2)**2 shift	13JUN06	16	06JUL06	114		0.00	40																													
P1-080	Instl Chl Plates,Tubing,Bag B4(Station 2)*2 shft	07JUL06	11	21JUL06	114		0.00	40																													
P2-161	Wind coil C4 (station 2) **2 shift	14AUG06	14	31AUG06	107		0.00	40																													
P2-170	Instl Chill Plates,Tubing,Bag C4Station2)*2 shft	01SEP06	10	15SEP06	107		0.00	40																													
Station 3-Winding, Instl Chill Plates,Tubing,Bag																																					
P1-101	Wind coil C-2(station 3)	02AUG05*	49	10OCT05	104		0.00	40																													
P1-110	Instl Chill Plates,Tubing, Bag C2 (Station 3)	11OCT05	33	28NOV05	104		0.00	40																													
P3-011	Wind coil B1 (station 3)	29NOV05	38	27JAN06	104		0.00	40																													
P3-020	Instl Chill Plates,Tubing, Bag B1 (Station 3)	30JAN06	25	03MAR06	104		0.00	40																													
P1-131	Wind coil A4 (station 3) 60h/wk	06MAR06	28	12APR06	104		0.00	40																													
P1-140	Instl Chl Plates,Tubing,BagA4Station 3)60h/wk	13APR06	19	09MAY06	104		0.00	40																													
P3-041	Wind coil B2 (station 3) ***2 SHIFT***	10MAY06	19	06JUN06	109		0.00	40																													
P3-050	Instl Chl Plates,Tubing, BagB2Station 3)2 shft	07JUN06	12	22JUN06	109		0.00	40																													
P1-161	Wind coil B5 (station 3) **2 shift	23JUN06	16	18JUL06	117		0.00	40																													
P1-170	Instl Chill Plates,Tubing,Bag B5Station 3)*2shft	19JUL06	11	02AUG06	117		0.00	40																													
P3-071	Wind coil C5 (station 3) **2 shift	07SEP06	14	26SEP06	112		0.00	40																													
P3-080	Instl Chill Plates,Tubing,Bag C5Station 3)*2shft	27SEP06	10	10OCT06	112		0.00	40																													
Station 4-Winding, Instl Chill Plates,Tubing,Bag																																					
P2-011	Wind coil A1 (station 4)	25AUG05	49	02NOV05	107		0.00	40																													
P2-020	Instl Chill Plates,Tubing, Bag A1 (Station 4)	03NOV05	25	09DEC05	107		0.00	40																													
P3-101	Wind coil A2 (station 4)	12DEC05	38	09FEB06	107		0.00	40																													
P3-110	Instl Chill Plates,Tubing, Bag A2 (Station 4)	10FEB06	25	16MAR06	107		0.00	40																													
P2-041	Wind coil A5 (station 4) 60h/wk	17MAR06	28	25APR06	107		0.00	40																													
P2-050	Instl Chl Plates,Tubing,Bag A5 Station 4) 60h/w	26APR06	19	22MAY06	107		0.00	40																													

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- CD-3 Proposed Baseline
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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04				FY05				FY06				FY07				FY08												
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
Oversight and Supervision																																					
1407-002	Winding Facility, Tooling, Materials Oversight	01OCT03A	186*	28MAY04A		100	170,204.20	34	Chrzanowski= 381; Meighan=455;raftopolous=380																												
1407.002.2	Winding Facility, Tooling, Materials Oversight	01JUN04A	86*	30SEP04A		100	113,623.20	34	Chrzanowski= 288; Meighan=200;raftopolous=288																												
1407.002.3	Winding Facility, Tooling, Materials Oversight	01OCT04*	11*	15OCT04	1,247	LOE	19,475.24	34	raftopolous=116																												
1407-002.1	Prep Winding Facility Ops Plan(reqd for TRT FRR)	01OCT04	10	14OCT04	1,248	LOE	0.00	34																													
Autoclave																																					
1407-005	Domes & cylinder Fab & Deliver (PE4226)	01DEC03A	18	23DEC03A		100	20,167.42	34																													
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	31OCT03A	18	31OCT03A		100	509.60	34																													
1407-008	Remaining Autoclave components-Deliver	01OCT03A	49	31MAR04A		100	11,466.00	34	41=\$9,000																												
1407-011	Fabricate Autoclave	01OCT03A	128*	31MAR04A		100	163,036.80	34	em/sm (machinist)=288; ern/tb=1728																												
1407-011.1	Autoclave assembly	01JUL04A	26*	06AUG04A		100	18,432.00	34	kearns=120; hause=120																												
1407-011.2	Rebuild vacuum pumps (2)	01AUG04A	15	31AUG04A		100	18,432.00	34	kearns=120;hause=120																												
1407-012	Autoclave PTP	01SEP04A	5	30SEP04A		100	8,668.80	34	kearns=40;hause=40 jones=24																												
1407.011.3	Fab & Install vacuum lines	01AUG04A	15	31AUG04A		100	18,432.00	34	em/tb=240																												
1407.011.4	Instl insulation on autoclave	02AUG04A	14	31AUG04A		100	17,203.20	34	dinattia=112; em/tb=112																												
1407.011.5	Write autoclave PTP	01JUN04A	9	31AUG04A		100	841.60	34	jones=8																												
Area Preparation																																					
1407-200	Decon TFTR test Cell Crane	26NOV03A	20	26NOV03A		N/R	18,432.00	34																													
1407-202	Setup facility stations	01MAR04A	118*	28MAY04A		100	29,161.80	34	eer/sm=57; em/tb=300																												
1407-204	Build cleanrooms (2) locations	02FEB04A	128*	28MAY04A		100	92,352.50	34	em/tb=850; 41=\$21.25k																												
1407-204.2	Build cleanroom (1 add'l) **2nd line**	02FEB04A	171*	28MAY04A		100	32,595.00	28	em/tb=30; 41=\$7.5																												
Design Activities																																					
1407-003	Winding Facility, Tooling, Design	01OCT03A	207*	28MAY04A		100	115,614.80	34	PPPL DESGN=1099 hrs																												
1407-003.1	Facility Drawings	01JUN04A	14*	18JUN04A		100	10,520.00	34	morris=100																												
1407-003.2	Final Drawings for winding clamps	21JUN04A	10*	30JUN04A		100	8,416.00	34	morris=40																												
1407-003.3	Final Drawings -type C casting supports	12JUL04A	5*	16JUL04A		100	4,208.00	34	morris=40																												
1407-003.4	Final Drawings -casting to ring fixture	02AUG04A	43*	30SEP04A		100	6,732.80	34	morris=64																												
1407-003.5	Final Drawings -Type A casting supports	29JUL04A	24*	31AUG04A		100	6,732.80	34	morris=64																												
1407-003.6	Final Drawings -Type B casting supports	10AUG04A	11*	24AUG04A		100	8,416.00	34	morris=80																												
1407-003.7	Final Drawings -casting stud fixture	01AUG04A	0*	31AUG04A		100	2,524.80	34	morris=24																												
1407-003.8	Misc Drawings (ecn's etc)	01AUG04A	54*	30SEP04A		100	12,624.00	34	morris=120																												
1407-003.9	Electrical design support/oversight	01JUN04A	86*	31AUG04A		100	10,520.00	34	jones=100																												
Remaining fixtures & tooling																																					
1407-100	Fabricate turning fixtures and coil supports	01DEC03A	166*	28MAY04A		100	245,050.00	34	Machinist=400; em/tb=2600; 41=\$50k																												
1407-100.2	Fabr turning fixt&coil supports **2nd line**	02FEB04A	128*	28MAY04A		100	131,313.00	28	em/sm=100;em/tb=1950.41=\$15																												
1407-110	Fabricate Winding clamp sets (125)	01MAY04A	40	28MAY04A		100	40,488.00	34	Machinist=500; em/tb=120; 41=\$15 k																												
1407-115	Fabricate Conductor payout spool system	01MAR04A	119*	28MAY04A		100	94,258.40	34	Machinist=144; em/tb=864; 41=\$ 10 k																												
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	01JUN04A	65*	31AUG04A		100	13,078.00	28	deaney=100; 41=2																												
1407-128	Setup facility stations 2&5	01JUN04A	86*	30SEP04A		100	12,288.00	34	anderson,terlitz,kearns,hause=40 each																												
1407-130	Misc tools & equipt FY04	02FEB04A	171*	30SEP04A		100	29,692.00	34	41=\$ 40 k; machinist=80																												
1407-100.3	Fab & Instl Turning Fixt 2,3&4	01JUN04A	107*	30SEP04A		100	176,482.80	28	simmons=396;bartzek=175&																												

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EC18

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M										
1407-100.4	Electr hookup turning fixtures 2,3&4	01AUG04A	64	30SEP04A		100	7,648.20	28	steer=42;em/tb=42																																																											
1407-110.2	Compl Fabr Winding clamp sets (100 of 400)	12JUL04A	58	30SEP04A		100	23,880.40	28	em/sm=188,em/tb=20;41=\$2																																																											
1407-125	Fab Type C casting supports (6) sets	02AUG04A	15	30SEP04A		100	9,830.40	34	simmons=64,horner=64																																																											
1407-126	Fab Type A casting supports (6) sets	02AUG04A	65	30SEP04A		100	6,912.00	34	simmons=45,horner=45																																																											
1407-127	Fab Type B casting supports (6) sets	02AUG04A	65	30SEP04A		100	2,457.60	34	simmons=16,horner=16																																																											
1407-135	construct cleanroom mech and electrical	01JUN04A	22	30JUN04A		100	24,576.00	34	clark,smith,lane,giliani=80 each																																																											
1407-199	Winding Facility ACC Rvw stations 2&5		0	15OCT04*	147		0.00	34																																																												
VPI Preparations																																																																				
1407-105	Anchor VPI platforms	01JUN04A	4	30JUN04A		100	6,144.00	34	clarks=40;sands=40																																																											
1407-106	Instl electric to VPI platforms & cntrl panel	01AUG04A	0	31AUG04A		100	24,576.00	34	steer=160;giliani=160																																																											
1407-108	Mount mixing tanks onto VPI platforms	01SEP04A	2	30SEP04A		100	2,457.60	34	kearns=16;hause=16																																																											
Job: 1412 - Complete Winding Facilities-CHRZANOW																																																																				
Remaining fixtures & tooling																																																																				
1407-130.1	Misc tools & equip FY05	01OCT04*	130	12APR05	1,128		32,133.60	34	41=\$ 40 k; machinist=80																																																											
1407-100.5	Complete Fab & Instl Turning Fixt 4	28JAN05*	15	17FEB05	179		20,301.21	28	simmons=44;bartzek=195																																																											
1407-100.6	Complete Electr hookup turning fixtures 4	28JAN05*	15	17FEB05	179		3,391.02	28	steer=18;em/tb=18																																																											
1407-110.3	Compl Fabr Winding clamp sets (300 of 400)	01OCT04*	99	28FEB05	172		74,492.76	28	em//sm=564,em/tb=60;41=\$6																																																											
1407-124	Fab casting to ring assy fixture station 1	03JAN05*	34	17FEB05	179		21,768.00	34	delaney=200																																																											
1407-124.5	Electrical Installations	01OCT04*	21	29OCT04	1,237		21,637.60	34	steer,gilani,lane=272																																																											
1407-126.1	Complete Fab Type A casting supports (6) sets	01OCT04*	98	25FEB05	173		6,204.90	34	simmons=39,horner=39																																																											
1407-127.1	Complete Fab Type B casting supports (6) sets	01OCT04	99	28FEB05	172		23,546.80	34	simmons=148,horner=148																																																											
1412-199	Complete Winding Facility ACC Review		0	28FEB05*	172		0.00	34																																																												
VPI Preparations																																																																				
1407-107	Perform epoxy mixing trials with delivery sys	01NOV04*	10	12NOV04	1,227		6,364.00	34	kearns=40;hause=40																																																											
1407-109	Fab & assemble VPI delivery sys	01NOV04*	10	12NOV04	1,227		23,865.00	34	kearns=100;hause=100;bartzek=100																																																											
Job: 1409 - Mod. Coil Test Stand-GETTELFINGER																																																																				
Test Stand																																																																				
1409-000	FY04 Oct-Mar	20OCT03A	66	31MAR04A		100	215,830.82	34	mech dsn =552 gettelfinger=167																																																											
1409-026	Install Electrical	01JAN04A	94	31MAR04A		100	0.00	34																																																												
1409-030	Generate I2T Reqmnts	23FEB04A	16	15MAR04A		100	0.00	34																																																												
1409-036	Define N2 Election Scheme	23FEB04A	2	24FEB04A		100	0.00	34																																																												
1409-038	Plan/Procure N2 Ejection Scheme	25FEB04A	14	15MAR04A		100	0.00	34																																																												
1409-029	Oversight/Supervision	01APR04A	226	25FEB05	175	LOE	35,671.51	34	gernhardt=28;Mcbride=80; Gettelfinger=145																																																											
1409-025	Complete Design	01APR04A	0	30APR04A		100	26,931.20	34	vankirk=256																																																											
1409-032	Design I2T Protection	01APR04A	0	30APR04A		100	6,028.00	34	marsala=40																																																											
1409-034	Fabricate I2T Cards	01APR04A	42	28MAY04A		100	15,795.00	34	electrical techs=120 gibney=30																																																											
1409-040	Install N2 Ejection Scheme	01MAY04A	85	31AUG04A		100	12,740.00	34	41=\$10																																																											
1409-027	Cryo Line Installation	03MAY04A	128	01NOV04	225	5	28,330.20	34	em/tb=120; Delany=70; 41=\$ 9 k																																																											
1409-110	ES&H Peer Review	05APR04A	1	05APR04A		100	0.00	34																																																												
1409-100	Design Controls Modifications	08APR04A	37	28MAY04A		100	46,696.80	34	Gettelfinger=60; Marsala=180; Gernhardt=92																																																											
1409-120	Install Control Modifications	01MAY04A	42	30JUN04A		100	12,288.00	34	em/tb=60																																																											
1409-140	Design Closed Loop LN2 System	02AUG04A	65	01NOV04	1,236	60	0.00	34																																																												

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04			FY05			FY06			FY07			FY08							
									A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
1409-141	Modify Cryostat for TRC	07FEB05*	10	18FEB05	1,165		0.00	34																				
1409-130	Cryostat (specimen shroud) dsn	03JAN05*	40	25FEB05	356		6,699.60	34																				
1409-145	FDR closed loop LN2 syst	01NOV04*	1	01NOV04	215		0.00	34																				
1409-150	Proc Matl's/pump f/closed LN2	02AUG04A	95*	15DEC04	215	50	19,818.90	34																				
1409-155	Fab/Instl Closed Loop LN2 sys	01NOV04*	45*	12JAN05	201		13,060.80	34																				
1409-135	Cryostat (specimen shroud) Fabr & Install	28FEB05	43	27APR05	356		23,436.00	34																				
1409-044	Final Design & ACC Review	21FEB05	0	18FEB05	1,165		0.00	34																				
1409-028	System Testing (planar racetrack)	21JAN05*	26	25FEB05	175		18,569.95	34																				
1409-160	Test Closed Loop Cooling	18FEB05	6	25FEB05	175		3,182.00	34																				
1409-165	Closed Loop Facility Available for TRC		0	25FEB05	175		0.00	34																				
1409-199	Closed Loop Facility Available for Production MC		0	27APR05	356		0.00	34																				

15 - Structures

151 - Coil Support Structure

Job: 1501 - Structures Design- Kalish

PDR/PBR Task List								
1501-105	Project PDR	07OCT03A	1	07OCT03A		100	0.00	32
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A		100	12,856.00	32
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A		100	6,428.00	32
1501-117	Performance baseline review		0	18NOV03A		100	0.00	32

Reqmnts, Configuration, Interfaces and PDR

1501-125	Update drawings & models based on vendor recomb	21OCT03A	30	26NOV03A		100	28,765.30	32
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	30SEP04A		LOE	5,624.50	32

1501-FY05	Prelim & Final Design Structures	01MAR05*	98*	18JUL05	185		170,744.13	32
1501-PDR	Structures PDR		0	29APR05*	1,113		0.00	32
1501-FDR	Structures FDR		0	18JUL05*	185		0.00	32

Job: 1550 - Structures Procurement - KALISH

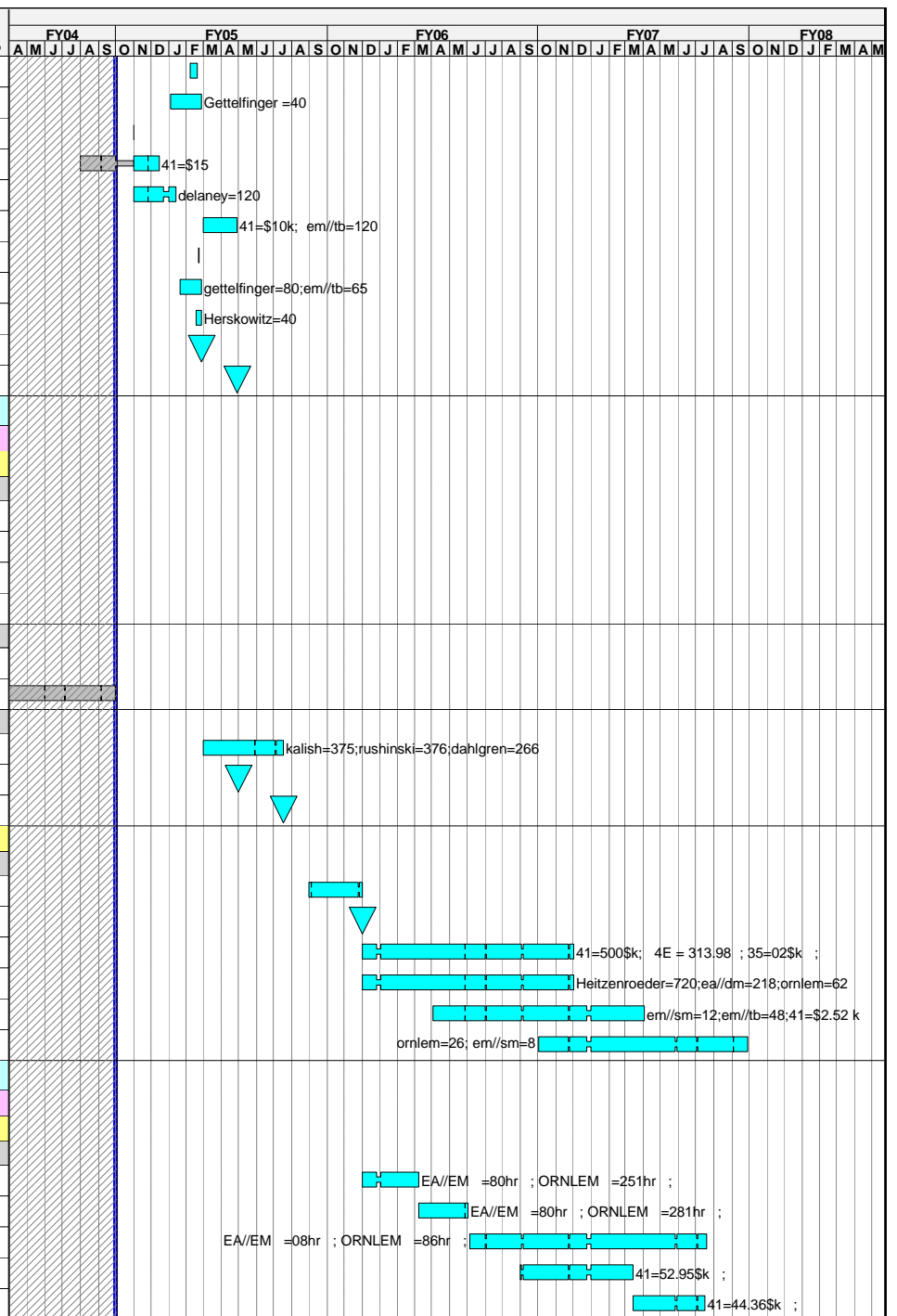
1501-245	Prep Spec, Solicit Bids, and Evaluate Bids	30AUG05	65	01DEC05	155		0.00	32
162-036.9	Award Coil Support Assy		0	01DEC05*	155		0.00	32
162-037	WBS 151 Coil Support Assy Procurement [A/1]	02DEC05	249	01DEC06	155		985,798.06	32
162-031	Title III engr WBS 151	02DEC05	249	01DEC06	717		157,017.04	32
153.037	WBS 153 Support Structure I&C Procurement/Fab	03APR06*	249	02APR07	637		8,649.30	20
153.015	Title III design WBS 153 local&C	02OCT06*	249	28SEP07	511		4,953.56	20

16 - Coil Services

161 - LN2 Distribution

161 - LN2 Distribution

191-001	Title I design WBS 161 LN2 manifolds& piping	01DEC05*	65	09MAR06	214		50,654.84	28
191-011	Title II design WBS 161 LN2 manifolds& piping	10MAR06	60	02JUN06	214		101,456.92	28
191-031	Title III engr WBS 161	05JUN06*	280	18JUL07	562		14,532.07	28
191-037	Procurement WBS 161	01SEP06*	130	14MAR07	152		69,873.63	28
191-038	PDR#17	15MAR07*	86	16JUL07	564		58,777.00	30



Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M										
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	19APR07*	62	17JUL07	127		32,466.17	28																																																												
191-042	PDR #17,25,3	19APR07*	65	20JUL07	560		10,346.85	30																																																												
162 - Electrical Leads																																																																				
162 - Electrical Leads																																																																				
132-000	PDR #17 & 25	30NOV05*	325	23MAR07	643		40,196.14	30																																																												
132-001	Title I design WBS 162 Coil leads	01DEC05*	130	09JUN06	206		131,638.16	22																																																												
132-011	Title II design WBS 162 Coil leads	12JUN06	130	15DEC06	206		134,304.54	22																																																												
132-015	Title III design WBS 162 Coil leads	18DEC06*	60	19MAR07	647		16,089.08	22																																																												
132-037	Coil Leads Procurement WBS 162	18MAY07*	60	13AUG07	103		296,296.50	22																																																												
163 - Coil Protection System																																																																				
163 - Coil Protection System																																																																				
163.001	Title I design WBS 163 Coil protection	03OCT05*	65	11JAN06	903		39,432.08	28																																																												
163.011	Title II design WBS 163 Coil protection	12JAN06	40	08MAR06	903		39,432.08	28																																																												
17 - Cryostat and Base Support Structure																																																																				
171 -Cryostat																																																																				
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER																																																																				
0000																																																																				
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A	100		12,180.00	0																																																												
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A	100		0.00	28																																																												
151-001	Title I design WBS 171 cryostat shell & struct	01APR04A	180*	15DEC04	221	85	128,001.26	28																																																												
151-002	Cryostat & Base Support Struct PDR		0	15DEC04	221		0.00	28																																																												
172-199	Base Support Structure FDR		0	28JUL05	221		0.00	28																																																												
151-011	Final Design Cryostat WBS 171	29JUL05	196	11MAY06	221		228,962.22	28																																																												
171-199	Cryostat FDR		0	11MAY06	221		0.00	28																																																												
Job: 1751 - Cryostat Procurement																																																																				
171 - Cryostat																																																																				
151-031	Title III engr	12MAY06	405	02JAN08	452		30,552.17	28																																																												
151-036.8	Prep Spec, Solicit bids, and Select Vendor	12MAY06	65	15AUG06	221		0.00	28																																																												
151-036.9	Award Cryostat Procurement		0	02OCT06*	188		0.00	28																																																												
151-037	Cryostat Procurement [A/1]	03OCT06	140	26APR07	188		478,642.75	28																																																												
172 - Base Support Structure																																																																				
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER																																																																				
161-001	Title I design WBS 172 base support struct	01APR04A	180*	15DEC04	221	85	50,829.54	32																																																												
161-011	Final Design Base Support Structure WBS 172	16DEC04	153	28JUL05	221		62,374.28	32																																																												
Job: 1752 - Base Support Structure Procurement																																																																				
172 - Base Support Structure																																																																				
161-031	Title III engr WBS 172	03OCT05*	240	19SEP06	768		47,352.48	32																																																												
161-036.8	Prep Spec, Solicit bids, and Select Vendor	29JUL05	65	28OCT05	322		0.00	28																																																												
161-036.9	Award Machine Base&supports Procurement		0	28OCT05*	322		0.00	32																																																												
161-037	Machine Base&supports Procurement [A/1]	31OCT05	90	15MAR06	322		283,051.70	32																																																												

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█ CD-3 Proposed Baseline
 Progress Bar
█ Critical Activity

EC18

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
18 - Field Period Assembly																																																																				
181 - Field Period Assembly Planning/Oversight																																																																				
Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)																																																																				
0000																																																																				
1801-001	Apr-Sept MIE Costs PPPL	01APR03A	42	30SEP03A		100	7,750.00	0																																																												
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A		100	53,050.00	0																																																												
Job: 1802 - FP Assy Oversight&Support-VIOLA																																																																				
Oversight and Supervision																																																																				
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A		LOE	77,947.50	24																																																												
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04A		LOE	115,320.00	24																																																												
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A		LOE	25,920.40	24																																																												
181.110	PPPL EM LOE FY05	01OCT04*	250*	30SEP05	1,008		47,402.00	24																																																												
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04*	250*	30SEP05	1,008		142,129.00	24																																																												
181.120	PPPL EM LOE FY06	03OCT05*	249*	02OCT06	759		220,592.71	24																																																												
181.121	PPPL EM LOE FY06	02OCT06*	207*	31JUL07	553		179,340.00	24																																																												
181.220	HP Coverage in the TFTR TC LOE FY06	03OCT05*	249*	02OCT06	759		144,966.13	24																																																												
183 - Receive,Inspect, and Test Coils																																																																				
1808 - TF/Mod Coil Sub-Assembly-VIOLA																																																																				
TF Coil Sub-assembly																																																																				
722.010	Receive/Inspect TF & PF Coils	07DEC05*	275*	19JAN07	688		79,118.49	20																																																												
184 - Receive, Inspect, and Test VV																																																																				
Job:1810 - Field Period Assembly-VIOLA																																																																				
Stage 1 VV Prep FP#1																																																																				
S1P1-101	Receive VV and inspect	02DEC05	4	07DEC05	140		7,787.52	40																																																												
S1P1-102	Mount VV on VV Prep fixture (top side up)	08DEC05	1	08DEC05	140		973.44	40																																																												
S1P1-103	Establish metrology setting; align VV base	09DEC05	3	13DEC05	140		5,840.64	40																																																												
S1P1-106	Attach studs, coolant lines and insulation on to	14DEC05	8	23DEC05	140		15,575.04	40																																																												
S1P1-107	Wind magnetic diagnostic sensors to top surface	03JAN06	8	12JAN06	140		15,575.04	40																																																												
S1P1-108	Install cooling/htg lines to vac vsl top surface	13JAN06	8	24JAN06	140		20,766.72	40																																																												
S1P1-109	Install insulation to vac vsl to top surface	25JAN06	10	07FEB06	140		32,448.00	40																																																												
S1P1-110	Flip VV to expose lower surface	08FEB06	1	08FEB06	140		1,946.88	40																																																												
S1P1-112	Attach studs, coolant lines and insulation on bo	09FEB06	8	20FEB06	140		15,575.04	40																																																												
S1P1-113	Wind magnetic diagnostic sensors to bot surface	21FEB06	8	02MAR06	140		15,575.04	40																																																												
S1P1-114	Install cooling/htg lines to vac vsl bot surface	03MAR06	8	14MAR06	140		20,766.72	40																																																												
S1P1-115	Install insulation to vac vsl to bot surface	15MAR06	10	28MAR06	140		32,448.00	40																																																												
S1P1-116	Prepare and transfer completed VV to holding are	29MAR06	3	31MAR06	140		5,840.64	40																																																												
Stage 1 VV Prep FP#2																																																																				
S1P2-101	Receive VV and inspect	03APR06	4	06APR06	140		7,787.52	40																																																												
S1P2-102	Mount VV on VV Prep fixture (top side up)	07APR06	1	07APR06	140		973.44	40																																																												
S1P2-103	Establish metrology setting; align VV base	10APR06	3	12APR06	140		5,840.64	40																																																												
S1P2-106	Attach studs, coolant lines and insulation on to	13APR06	8	24APR06	140		15,575.04	40																																																												
S1P2-107	Wind magnetic diagnostic sensors to top surface	25APR06	8	04MAY06	140		15,575.04	40																																																												
S1P2-108	Install cooling/htg lines to vac vsl top surface	05MAY06	8	16MAY06	140		20,766.72	40																																																												

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08																							
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M																						
S1P2-109	Install insulation to vac vs1 to top surface	17MAY06	10	31MAY06	140		32,448.00	40																																																																								
S1P2-110	Flip VV to expose lower surface	01JUN06	1	01JUN06	140		1,946.88	40																																																																								
S1P2-112	Attach studs, coolant lines and insulation on bo	02JUN06	8	13JUN06	140		15,575.04	40																																																																								
S1P2-113	Wind magnetic diagnostic sensors to bot surface	14JUN06	8	23JUN06	140		15,575.04	40																																																																								
S1P2-114	Install cooling/htg lines to vac vs1 bot surface	26JUN06	8	07JUL06	140		20,766.72	40																																																																								
S1P2-115	Install insulation to vac vs1 to bot surface	10JUL06	10	21JUL06	140		32,448.00	40																																																																								
S1P2-116	Prepare and transfer completed VV to holding are	24JUL06	3	26JUL06	140		5,840.64	40																																																																								
Stage 1 VV Prep FP#3																																																																																
S1P3-101	Receive VV and inspect	27JUL06	4	01AUG06	140		7,787.52	40																																																																								
S1P3-102	Mount VV on VV Prep fixture (top side up)	02AUG06	1	02AUG06	140		973.44	40																																																																								
S1P3-103	Establish metrology setting; align VV base	03AUG06	3	07AUG06	140		5,840.64	40																																																																								
S1P3-106	Attach studs, coolant lines and insulation on to	08AUG06	7	16AUG06	140		13,628.16	40																																																																								
S1P3-107	Install cooling/htg lines to vac vs1 top surface	17AUG06	8	28AUG06	140		15,575.04	40																																																																								
S1P3-108	Install insulation to vac vs1 to top surface	29AUG06	10	12SEP06	140		32,448.00	40																																																																								
S1P3-109	Flip VV to expose lower surface	13SEP06	1	13SEP06	140		1,946.88	40																																																																								
S1P3-110	Attach studs, coolant lines and insulation on bo	14SEP06	7	22SEP06	140		13,628.16	40																																																																								
S1P3-112	Install cooling/htg lines to vac vs1 bot surface	25SEP06	8	04OCT06	140		15,867.36	40																																																																								
S1P3-113	Install insulation to vac vs1 to bot surface	05OCT06	10	18OCT06	140		34,072.00	40																																																																								
S1P3-114	Prepare and transfer completed VV to holding are	19OCT06	3	23OCT06	140		6,132.96	40																																																																								
185 - Assemble Field Periods																																																																																
1808 - TF/Mod Coil Sub-Assembly-VIOLA																																																																																
TF Coil Sub-assembly																																																																																
184-100	Assemble 3 TF coils&structure -Left-Period #1	13JUN06	10	26JUN06	224		34,838.40	40																																																																								
184-105	Assemble 3 TF coils&structure -Right -Period #1	27JUN06	10	12JUL06	224		34,838.40	40																																																																								
184-110	Assemble 3 TF coils&structure -Left-Period #2	13JUL06	10	26JUL06	224		34,838.40	40																																																																								
184-115	Assemble 3 TF coils&structure -Right -Period #2	27JUL06	10	09AUG06	224		34,838.40	40																																																																								
184-120	Assemble 3 TF coils&structure -Left -Period #3	13SEP06	10	26SEP06	201		34,838.40	40																																																																								
184-125	Assemble 3 TF coils&structure -Right -Period #3	04DEC06	10	15DEC06	155		36,581.60	40																																																																								
Stage 2 MC subassy FP#1																																																																																
S2P1-100	Assemble Mod-Coils a1.b1,c1 FP 1 left	10APR06	27	16MAY06	190		65,544.96	40																																																																								
S2P1-200	Assemble Mod-Coils a2.b2,c2 FP 1 right	07AUG06	27	13SEP06	117		65,544.96	40																																																																								
Stage 2 MC subassy FP#2																																																																																
S2P2-100	Assemble Mod-Coils a3.b3,c3 FP 2 left	11SEP06*	27	17OCT06	114		67,002.95	40																																																																								
S2P2-200	Assemble Mod-Coils a4.b4,c4 FP 2 right *2 SHIFT	25OCT06	14	13NOV06	104		68,825.44	40																																																																								
Stage 2 MC subassy FP#3																																																																																
S2P3-100	Assemble Mod-Coils a5.b5,c5 FP 3 left *2 SHIFT	10NOV06	14	01DEC06	113		68,825.44	40																																																																								
S2P3-200	Assemble Mod-Coils a6.b6,c6 FP 3 right *2 SHIFT	08DEC06	14	04JAN07	104		68,825.44	40																																																																								
Job:1810 - Field Period Assembly-VIOLA																																																																																
Metrology Support																																																																																
S1P1-000	LOE support staff for FP assemblies	02DEC05	347*	26APR07	103		297,685.85	40	raffopoulos (measurement) 1/2 Fte 50%=1704hrs																																																																							
Stage 3 MC Installation-FP#1																																																																																
S3P1-101	Mount VV to MC turning fixt base; metr check	17MAY06	2	18MAY06	190		3,893.76	40																																																																								
S3P1-102	Mount MC on turning fixt; perform metr checks	19MAY06	2	22MAY06	190		3,893.76	40																																																																								

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M										
1803-5.03	Develop test components as needed to qualify ass	02MAR05*	15	22MAR05	1,081		53,539.80	40																																																												
1803-5.04	Fab - Test Articles	23MAR05*	45	24MAY05	1,081		0.00	40																																																												
1803-5.05	Metrology Validation	25MAY05	15	15JUN05	1,081		0.00	40																																																												
Oversight																																																																				
1803-7.01	Meetings Prep and Reporting	01NOV04*	229*	30SEP05	1,006		116,143.45	40	BROWN =341hr ; MORRIS =238 ; PAUL =190 ; Fan=84																																																											
1803-7.02	Develop and maintain concept definition document	01NOV04*	229*	30SEP05	1,006		10,073.40	40	BROWN =60hr ;																																																											
1803-7.03	Develop and maintain assembly plan document	01NOV04*	229*	30SEP05	1,006		13,431.20	40	BROWN =80hr ;																																																											
1803-7.04	Mike Cole's FY05 on-site involvement in assembly	01NOV04*	229*	30SEP05	1,006		23,558.40	40	COLE =160hr ;																																																											
1803-8	Metrology Support	01NOV04*	229*	30SEP05	1,006		40,293.60	40	RAFTOPOULOS =240hr ;																																																											
Tooling Design & Fabrication																																																																				
713A.040	General procurements	03OCT05*	498	01OCT07	510		9,807.18	40																																																												
713A.050	Welding tools, materials & equip	03OCT05*	498	01OCT07	510		9,807.18	40																																																												
713A.060	Instl He gas piping from NSTX to D-site tc	02OCT06*	65	10JAN07	155		43,287.80	40	ETC=+ Kalish=40; em/sm=40; em/tb=240 ETC=+ ea/dm=80; 41=\$ 5.6 k																																																											
187 - Measurement Systems																																																																				
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS																																																																				
Metrology																																																																				
740.010	Final Design Measurement systems	19JAN04A	181*	30SEP04A		LOE	69,422.40	24	Raftopoulos= 432																																																											
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A			0.00	24																																																												
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A			0.00	24																																																												
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10*	30APR04A		100	171,990.00	24	41=\$ 135 k																																																											
740.030A	Romer Arm Training	06JUL04A	3*	08JUL04A		100	0.00	24	35=\$ 5k																																																											
740.031	Metrology Software Review		0	30JAN04A			0.00	24																																																												
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A			0.00	24																																																												
740.035	Deliver Metrology Software	01DEC04*	53	21FEB05	1,164		62,435.55	24	41=\$ 44.95 k R400938																																																											
740.020	Facility Prep	03OCT05*	95	22FEB06	913		60,857.04	24	em//sm=168;em/tb=392 travel=\$ 6 k																																																											
740.045	Purchase- second Faro Arm PE005330	01OCT04*	102	03MAR05	1,156		76,395.00	24	41=\$ 55 k																																																											
740.050	Purchase- targets [A/9]	01JUL05*	130	12JAN06	942		34,725.00	24	41=\$ 25 k																																																											
19 - Stellarator Core Management and Integration																																																																				
191 - Stellarator Core Management & Oversight																																																																				
Job: 1901 - Stellarator Core Mngt&Integr-NELSON																																																																				
0000																																																																				
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A		100	187,090.00	0																																																												
1901-ECP16	ecp16	01OCT03A	250*	30SEP04A		LOE	30,000.00	10																																																												
191 - Stellarator Core Management & Oversight																																																																				
191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	250*	30SEP04A		LOE	145,699.85	10	NELSON 395+670=1065 ;35= 5 k																																																											
0191-5	LOE-FY05 WBS 191	01OCT04*	250*	30SEP05	1,008	LOE	170,654.00	10	NELSON 1100 ;35=5 k																																																											
0191-6	LOE-FY06 WBS 191	03OCT05*	249*	02OCT06	525	LOE	170,673.79	10	NELSON 1100 ;35=5 k																																																											
0191-6X	LOE-FY07 WBS 191	03OCT06*	234	10SEP07	525	LOE	179,301.00	10	NELSON 1100 35=5 k																																																											
0191-91	LOE-FY06 WBS 191 1 mo SO	01OCT07*	22	30OCT07	345	LOE	7,877.20	0	NELSON=45 ;35=.5 k																																																											
0191-92	LOE-FY06 WBS 191 1 mo SO	31OCT07*	21	28NOV07	345	LOE	7,877.20	0	NELSON=45 ;35=.5 k																																																											
0191-93	LOE-FY06 WBS 191 1 mo SO	03DEC07*	15	21DEC07	345	LOE	7,877.20	0	NELSON=45 ;35=.5 k																																																											

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	CD-3 Proposed Baseline
	Progress Bar
	Critical Activity

EC18

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04		FY05				FY06				FY07				FY08									
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
0192-91	LOE-F1 mo SO	01OCT07*	22	30OCT07	348	LOE	8,285.04	10																								COLE=50; omI35=.5
0192-92	LOE-F1 mo SO	31OCT07*	20	27NOV07	348	LOE	8,285.04	10																							COLE=50; omI35=.5	
0192-93	LOE-F1 mo SO	28NOV07*	19	04JAN08	348	LOE	8,285.04	10																							COLE=50; omI35=.5	
0192-94	LOE-F1 mo SO	07JAN08*	20	01FEB08	348	LOE	8,285.04	10																							COLE=50; omI35=.5	
0192-95	LOE-F1 mo SO	04FEB08*	21	03MAR08	348	LOE	8,285.04	10																							COLE=50; omI35=.5	
0192-96	LOE-F1 mo SO	04MAR08*	21	01APR08	348	LOE	8,285.04	10																							COLE=50; omI35=.5	
0192-97	LOE-F1 mo SO	02APR08*	20	29APR08	348	LOE	8,285.04	10																							COLE=50; omI35=.5	
0192-98	LOE-F1 mo SO	30APR08*	20	28MAY08	348	LOE	8,285.04	10																							COLE=50; omI35=.5	

2 - Plasma Heating, Fueling & Vac Systems

21 - Fueling Systems

ECP 16 October 2004

21-10	Eng. Work Planning and Design	03OCT05*	65	11JAN06	306		5,978.00	14
21-15	Design Gas Handling Hardware	12JAN06	65	12APR06	306		4,440.00	14
21-20	Design PLC Controls	12JAN06*	65	12APR06	306		9,247.20	14
21-25	Electrical Drafting for pumping system	12JAN06*	65	12APR06	306		12,806.40	14
21-30	Drafting	12JAN06*	65	12APR06	306		8,537.60	14
21-35	Eng. Work Planning and Design during fab	02OCT06*	65	10JAN07	188		3,586.80	14
21-40	Fabrication/Install Hardware	02OCT06*	65	10JAN07	188		3,496.50	14
21-45	Fabrication/installation	02OCT06*	65	10JAN07	188		21,754.75	14
21-55	Install PLC Controls	02OCT06*	65	10JAN07	188		4,854.80	14
21-60	Integrated Systems Testing/Eng	02OCT06*	65	10JAN07	188		3,586.80	14
21-65	Integrated Systems Testing/Tech Support	11JAN07*	45	14MAR07	188		2,427.40	14

█ Blanchard =35hr ;
█ EM//SM =40hr ;
█ EE//SM =80hr ;
█ EA/DM =120hr ;
█ EA/DM =80hr ;
█ Blanchard =20hr ;
█ EM//SM =30hr ;
█ EM//SM =75hr ; EM//TB =75hr ;
█ 41=5\$K ;
█ EE//SM =40hr ;
█ Blanchard =20hr ;
█ EE//SM =20hr ;

22 - Torus Vacuum Pumping Systems

Job: 2001-VPS,Gas& Cond Sys Oversight-BLANCHARD

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2001-001	Apr-May MIE Cost	01APR03A	43*	30MAY03A		100	35,300.00	0
2001-100	PDR Support	01JUN03A	164*	30SEP03A		LOE	24,896.00	0

22-25	Eng. Work Planning and Design	01AUG06*	40	26SEP06	118		25,960.00	14
22-30	Design PLC based control system	27SEP06	50	07DEC06	158		38,727.42	14
22-35	Electrical Drafting for pumping system	27SEP06	50	07DEC06	178		23,465.32	14
22-40	Drafting	27SEP06	50	07DEC06	118		17,878.34	14
22-45	Eng. Work Planning and Design during fab	08DEC06*	40	09FEB07	138		16,140.60	14
22-50	Perform maint. & repair of pmpg sys	08DEC06*	40	09FEB07	118		9,324.00	14
22-55	Repair and Calibration of vac instrumentation	12FEB07*	60	04MAY07	138		9,324.00	14
22-60	Fabrication/installation	12FEB07*	80	04JUN07	118		115,290.90	14
22-65	Fab PLC conrols	12FEB07*	80	04JUN07	118		61,819.20	14
22-70	Integrated Systems Testing/Eng	05JUN07*	20	02JUL07	118		7,173.60	14

█ Blanchard =100hr ; EM//SM =80hr ;
█ EE//SM =320hr ;
█ EA/DM =210hr ;
█ EA/DM =160hr ;
█ Blanchard =90hr ;
█ EM//SM =80hr ;
█ EM//SM =80hr ;
 EM//SM =450hr ; EM//TB =380hr ;
█ 41=23\$K ;
█ EE//SM =160hr ; 41=32\$K ;
█ Blanchard =40hr ;

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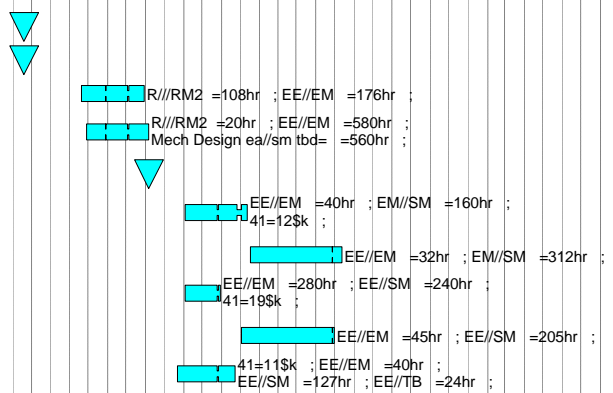
█ CD-3 Proposed Baseline
█ Progress Bar
█ Critical Activity

EC18

NCSX
ECP 18

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
22-75	Integrated Systems Testing/Tech Support	05JUN07*	20	02JUL07	118		4,854.80	14	EE//SM =40hr ;																																																											
25 - Neutral Beam Injection System																																																																				
250 - Neutral Beam Injection System																																																																				
Job: 2501 - Neutral Beam Refurbishment-STEVENSON																																																																				
0000																																																																				
2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	146,310.00	0																																																												
FY04 Work Plan																																																																				
2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A			81,853.50	16																																																												
2501-014.1	FY04 work closeout *TBD*	01JUL04A	64*	30SEP04A		LOE	49,247.90	16																																																												
Refurbishment**CD-3 deleted scope																																																																				
25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A			44,652.60	16																																																												
Re-Install Beamline**CD-3 deleted scope																																																																				
25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A			2,586.20	16																																																												
Re-Install Cables**CD-3 deleted scope																																																																				
25-225.1	Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A			4,845.00	16																																																												
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A			736.80	16																																																												
Beamline Connections**CD-3 deleted scope																																																																				
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A			2,524.80	16																																																												
3 - Diagnostics																																																																				
31 - Magnetic Diagnostics																																																																				
Job: 3101 Magnetic Diagnostics																																																																				
310-005	Finalize Loop Geometry		0	17JAN05*	270		0.00	30																																																												
310-006	Magnetics CDR		0	17JAN05*	245		0.00	30																																																												
310-010	Design Mag Diagnostics	22APR05*	69	29JUL05	202		45,197.16	30																																																												
310-020	Design other ex-vessel sensors	29APR05*	69	05AUG05	172		155,621.00	30																																																												
310-011	Mag diag and Coil Sensor FDR		0	05AUG05	197		0.00	30																																																												
310-025	Procure matl for ex-vsl sensors	03OCT05*	65	11JAN06	226		39,290.90	30																																																												
310-026	Install ex-vessel sensors on coils	16JAN06	105	12JUN06	224		39,916.48	30																																																												
310-015	Fabricate Magnetics	03OCT05*	40	29NOV05	158		65,591.80	30																																																												
310-016	Install terminal boxes and terminate	03JAN06	105	30MAY06	845		31,127.25	30																																																												
310-030	Design & Fab Magnetic integrators	22SEP05	65	23DEC05	140		37,138.36	30																																																												
36 - Edge and Divertor Diagnostics																																																																				
361-001	Design Visible Camera sys	02OCT06*	40	28NOV06	128		11,821.60	20																																																												
361-015	Fab/Assy/Installation Visible Camera	08DEC06*	130	18JUN07	121		31,043.60	20																																																												



R//RM2 =28hr ; EM//EM =40hr ;
 R//RM2 =98hr ; EM//EM =20hr ;
 EM//SM =96hr ; 41=0\$K ;
 use existing camera

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M										
38 - Electron Beam (EB) Mapping																																																																				
380-010	Designe-Beam Probe,Fluor. Screen	02OCT06*	40	28NOV06	156		44,346.80	34																																																												
380-015	Fab & Install Beam probe	15JAN07*	102	06JUN07	129		246,231.50	34																																																												
39 - Diagnostics Integration																																																																				
390 - Diagnostics Integration																																																																				
Job: 3901 - Diagnostics sys Integration-JOHNSON																																																																				
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A		100	0.00	10																																																												
390-110	Resolve port interferences.Final port config		0	30JUN04A		100	0.00	10																																																												
390-120	Update port map&revise diag port assignments		0	30SEP04*	1,258	90	0.00	10																																																												
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	30SEP04*	1,258	100	0.00	10																																																												
390-140	Write ICD's-Define external space for diagnostic		0	30SEP04*	1,258	50	0.00	10																																																												
390-150	Write ICD's-Define space f/racks in cntrl rm		0	30SEP04*	1,258	50	0.00	10																																																												
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A		100	0.00	10																																																												
390-170	Develop space envelopes for SXR		0	30SEP04*	1,258	70	0.00	10																																																												
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	30SEP04*	1,258		0.00	10																																																												
Job: 3901 - Diagnostics sys Integration-JOHNSON																																																																				
0000																																																																				
390-001	LOE Support FY03	01APR03A	151*	30SEP03A		100	155,450.00	30																																																												
390-010	LOE Support FY04	01OCT03A	250*	30SEP04A		LOE	78,023.50	30	Stratton =215hr ; Johnson=215																																																											
390-015	LOE Support FY05 **reduced scope	01OCT04*	250*	30SEP05	1,008		67,300.71	30	R//RM2 =177hr ; EM/EM =0 EA/DM =0 ;r//rm3=177																																																											
390-020	LOE Support FY06	03OCT05*	248*	29SEP06	760		68,631.75	30	R//RM2 =177hr ; EM/EM =0 EA/DM =0 ;r//rm3=177																																																											
4 - Electrical Power Systems																																																																				
41 - AC Power																																																																				
411 - Auxliary AC Power Systems																																																																				
Job: 4101 - AC Power-RAMAKRISHNAN																																																																				
411 - Auxiliary AC Power Systems																																																																				
4101-100	Prepare Preliminary One line diagram	01MAR04A	173*	30SEP04A		100	8,496.72	18	vankirk =16hr ; raki =24hr ; ee//sm=16, ee//tb=32																																																											
4101-100.1	Prepare Preliminary One line diagram	03OCT05*	173	13JUN06	835		1,007.93	18	vankirk =16hr ; raki =24hr ; ee//sm=16, ee//tb=32																																																											
411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	03OCT05*	241	20SEP06	767		56,876.86	18	vankirk=26;raki=62;ee//sm=62 ee//tb=104;M&S=6;Powers=\$16k																																																											
411-2-2	Grounding-Dsn	03OCT05*	86	09FEB06	324		28,965.28	18	VANKIRK =160hr ; Raki =72hr ;																																																											
411-2-4	Grounding-Procure	10FEB06*	107	13JUL06	324		6,450.00	18	41=05\$K ;																																																											
411-2-6	Grounding-Install	02OCT06*	43	01DEC06	226		63,205.80	18	EE//EM =40hr ; EE//SM =80hr ; EE//TB =160hr ;																																																											

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CD-3 Proposed Baseline
Progress Bar
Critical Activity

EC18

NCSX
ECP 18

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04		FY05				FY06				FY07				FY08																	
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N
411-2-8	Grounding-Commission	04DEC06*	29	19JAN07	226		15,734.00	18																																EE//EM =24hr ; EE//SM =40hr ; EE//TB =80hr ;
411-3-2	Test Cell AC Power Distr-Dsn	03OCT05*	186	30JUN06	360		3,455.52	18																														VANKIRK =20hr ; Raki =8hr ;		
411-3-2.04	Test Cell AC Power fy04	01APR04A	186*	30SEP04A	100		148,730.00	18																																
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfrmrs)	10JUL06*	101	30NOV06	256		44,354.85	18																													41=34\$K ;			
411-3-6	Test Cell AC Power Distr-Install	10JUL06*	104	05DEC06	253		31,080.38	18																													EE//EM =40hr ; EE//SM =40hr ; POWERS EE//TB =240hr ;			
411-3-8	Test Cell AC Power Distr-Commission	02OCT06*	45	05DEC06	253		31,468.00	18																													EE//EM =48hr ; EE//SM =80hr ; EE//TB =160hr ;			

412 - Experimental AC Power Systems

Job: 4101 - AC Power-RAMAKRISHNAN

412 - Experimental AC Power Systems

412-1-2	D-site Pulsed AC Power Distr-Dsn	03OCT05*	128	10APR06	230		10,874.40	18																														VANKIRK =40hr ; Raki =40hr ;
412-1-4	D-site Pulsed AC Power Distr-Procure	11APR06	125	06OCT06	230		6,457.00	18																													41=05\$K ;	
412-1-6	D-site Pulsed AC Power Distr-Install	02OCT06*	40	28NOV06	195		17,259.68	18																													EE//EM =16hr ; EE//SM =64hr ; EE//TB =80hr ;	
412-1-8	D-site Pulsed AC Power Distr-Commission	29NOV06	40	31JAN07	195		10,433.28	18																													EE//EM =24hr ; EE//SM =24hr ; EE//TB =40hr ;	

43 - DC Systems

431 - C-Site DC Systems

Job: 4301 - DC Systems-RAMAKRISHNAN

431 - C-Site DC Systems

431-200	Condition/spare parts inventory	01NOV04*	42	07JAN05	1,195		17,487.36	18																														hatcher=24;mcbride=120
431-210	Organize & verify documentation	01NOV04*	65	09FEB05	1,172		45,025.52	18																													raki=104;mcbride=64;nelson=200	
431-215	Document status	01DEC04*	84	05APR05	1,133		6,477.60	18																													raki=40	
431-225	Reactivate DF & PEI units	01DEC04*	84	05APR05	1,133		11,584.80	18																													raki=16;mcbride=24;mg tech=80	
431-230	Load	01DEC04*	84	05APR05	1,133		15,888.00	18																													raki=40;mg tech=120	
431-240	Simulate each of 6 pwr loops in PSCAD	01NOV04*	65	09FEB05	1,172		12,955.20	18																													neumeyer=80	
431-250	c-site dc sys DGS dsn documentation	01NOV04*	100	30MAR05	1,137		6,777.04	18																													raki=16;jones=40	
431-260	Power loop design	01NOV04*	190	05AUG05	606		111,622.56	18																													raki=224;vankirk=360;jones=360	
431-265	Fabricate bus components	01APR05*	185	22DEC05	510		16,635.86	18																													raki=16;ee/sm=40;ee/tb=120	
431-275	Power cabling & Installation	03OCT05*	121	30MAR06	446		201,061.60	18																													raki=40;ee/sm=240;ee/tb=520 powers=90;m&s=7	

44 - Control and protection Systems

441 - Electrical Interlocks

Job: 4401 - Control & Protection-RAMAKRISHNAN

441 - Electrical Interlocks

441-095	Design Interlock sys	03OCT05*	118	27MAR06	330		30,286.40	18																													raki=80;vankirk=160
441-097	Install Interlock sys	28MAR06	119	14SEP06	330		27,082.00	18																													raki=80;ee/sm=120
441-100	PLC Specification	03OCT05*	85	08FEB06	741		13,078.64	18																													raki=40;cropper=56
441-105	Prep Block diagrams	03OCT05*	85	08FEB06	923		15,852.80	18																													raki=40;cropper=80
441-110	PLC CWD's & Cabling	09FEB06*	85	08JUN06	741		20,476.40	18																													marsala=40;cropper=120
441-115	deliver PLC	09FEB06*	85	08JUN06	838		64,500.00	18																													M&S=50
441-120	Program PLC Logic	09JUN06*	45	14AUG06	793		20,476.40	18																													lawson=40;cropper=120
441-125	Program Control pages	09JUN06*	97	26OCT06	741		21,808.26	18																													schneider=32;cropper=120;sichta=16
441-130	Pre-commissioning tests	31JAN06*	214	04DEC06	716		21,984.14	18																													raki=40;cropper=120;M&S=1

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
441-135	Install I/O Cabling	03FEB06*	248	01FEB07	679		109,351.65	18																																					raki=120;ee//sm=80;Powers=30 k ea//sm=160;ee//tb=160;41=\$8k																							
442 - Kirk Key Interlocks																																																																				
Job: 4401 - Control & Protection-RAMAKRISHNAN																																																																				
442 - Kirk Key Interlocks																																																																				
442-1-2	Kirk Keys-Dsn	03OCT05*	41	30NOV05	402		15,143.20	18																																					EA/DM =80hr ; EE//EM =40hr ;																							
442-1-4	Kirk Keys-Procure	24OCT05*	185	24JUL06	243		12,900.00	18																																					41=10\$K ;																							
442-1-6	Kirk Keys-Install	02OCT06*	40	28NOV06	195		42,879.52	18																																					EE//EM =16hr ; EE//SM =16hr ; EE//TB =60hr ;																							
442-1-8	Kirk Keys-Commission	13DEC06	30	31JAN07	195		6,881.20	18																																					EE//EM =16hr ; EE//SM =20hr ; EE//TB =20hr ;																							
443 - Real Time Control Systems																																																																				
Job: 4401 - Control & Protection-RAMAKRISHNAN																																																																				
443 - Real Time Control Systems																																																																				
443-1-2	Develop Control Algorithms-Dsn	21APR06*	142	10NOV06	219		13,350.81	18																																					EE//EM =80hr ;																							
444 - Instrument Systems																																																																				
Job: 4401 - Control & Protection-RAMAKRISHNAN																																																																				
444 - Instrument Systems																																																																				
444-2-2	DC Potential Transducers (DCPTs)-Dsn	07OCT05*	95	28FEB06	818		10,366.56	18																																					EA/DM =60hr ; EE//EM =24hr ;																							
444-2-4	DC Potential Transducers (DCPTs)-Procure	03OCT05*	207	02AUG06	741		7,740.00	18																																					41=6k ;																							
444-2-6	DC Potential Transducers (DCPTs)-Install	02OCT06*	51	13DEC06	669		19,122.48	18																																					EE//EM =16hr ; EE//SM =24hr ; EE//TB =160hr ;																							
444-2-8	DC Potential Transducers (DCPTs)-Commission	14DEC06	40	15FEB07	669		12,112.68	18																																					EE//EM =24hr ; EE//SM =24hr ; EE//TB =60hr ;																							
444-3-2	DC Shunts-Dsn	03OCT05*	122	31MAR06	811		15,143.20	18																																					VANKIRK =80hr ; Raki =40hr ;																							
444-3-4	DC Shunts-Procure	03OCT05*	224	25AUG06	740		58,050.00	18																																					41=45\$K ;																							
444-3-6	DC Shunts-Install	02OCT06*	51	13DEC06	685		53,251.68	18																																					EE//EM =32hr ; EE//SM =64hr ; EE//TB =160hr ;41=20 kpowers																							
444-3-8	DC Shunts-Commission	14DEC06*	24	24JAN07	685		17,150.88	18																																					EE//EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;																							
444-4-2	Signal Conditioning & Cabling-Dsn	03OCT05*	99	28FEB06	819		41,565.60	18																																					EA/DM =80hr ; EE//EM =200hr ;																							
444-4-4	Signal Conditioning & Cabling-Procure	13OCT05*	188	18JUL06	703		15,480.00	18																																					41=12\$K ;																							
444-4-6	Signal Conditioning & Cabling-Install	02OCT06*	68	15JAN07	670		27,673.20	18																																					EE//EM =24hr ; EE//TB =280hr ;																							
444-4-8	Signal Conditioning & Cabling-Commission	16JAN07	22	14FEB07	670		16,536.80	18																																					EE//EM =48hr ; EE//SM =40hr ; EE//TB =40hr ;																							
445 - Coil protection Systems																																																																				
Job: 4401 - Control & Protection-RAMAKRISHNAN																																																																				
445 - Coil Protection Systems																																																																				
445-1-2	Ground Fault Protection-Dsn	03OCT05*	82	03FEB06	361		32,623.20	22																																					VANKIRK =120hr ; Raki =120hr ;																							
445-1-4	Ground Fault Protection-Procure	28NOV05*	130	06JUN06	275		23,220.00	22																																					41=18\$K ;																							
445-1-6	Ground Fault Protection-Install	02OCT06*	40	28NOV06	195		22,838.16	22																																					EE//EM =40hr ; EE//SM =48hr ; EE//TB =120hr ;																							
445-1-8	Ground Fault Protection-Commission	04JAN07	20	31JAN07	195		9,761.52	22																																					EE//EM =24hr ; EE//SM =24hr ; EE//TB =32hr ;																							
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	272	30SEP04A			1,054.90	22																																					marsala=80																							
445-2-105	Overload Protect-Write spec and approve	03OCT05*	20	28OCT05	808		13,211.20	22																																					lawson=320;elect dsn=80,ee//sm=80																							
445-2-110	Overload Protect-Design	31OCT05*	80	01MAR06	908		70,629.60	22																																					marsala=120;reese=384																							
445-2-115	Overload Protect-Fabr 4 chassis 120 modls	06JAN06*	79	26APR06	808		64,203.36	22																																					raki=80;carson=80																							
445-2-120	Overload Protect-Test 4 units	27APR06	20	24MAY06	808		22,458.40	22																																																												

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M																						
445-2-125	Overload Protect-Install & Rack wiring	25MAY06	20	22JUN06	808		42,010.08	22	[Hatched]												[Hatched]												[Hatched]												[Hatched]												[Hatched]											
445-2-130	Overload Protect-Write & perform ISTEP	23JUN06	20	24JUL06	808		22,458.40	22	[Hatched]												[Hatched]												[Hatched]												[Hatched]												[Hatched]											
445-2-135	Overload Protect-Documentation	31OCT05	180	24JUL06	808		23,680.80	22	[Hatched]												[Hatched]												[Hatched]												[Hatched]												[Hatched]											
445-2-140	Overload Protection&cabling design,procure instl	01MAY06*	249	30APR07	617		137,763.61	22	[Hatched]												[Hatched]												[Hatched]												[Hatched]												[Hatched]											

45 - Power System Design and Integration

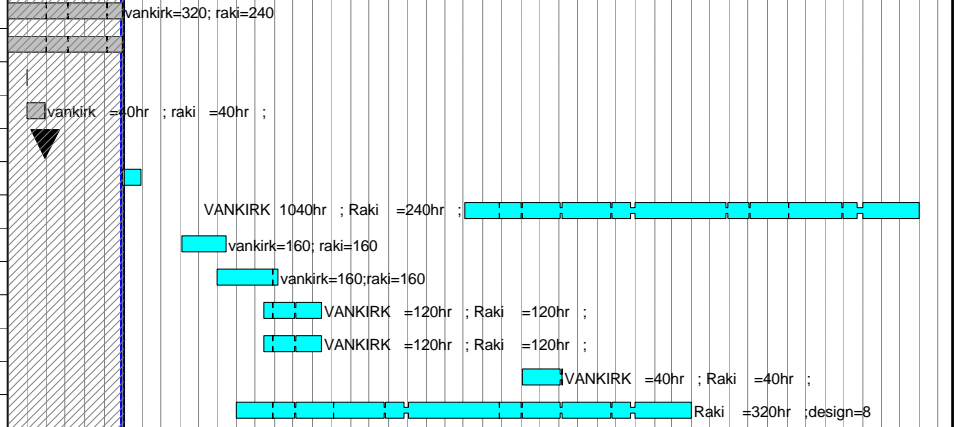
451 - System Design and Interfaces

Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN

0000									
4501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A			100	112,340.00	0

451 - System Design & Interfaces

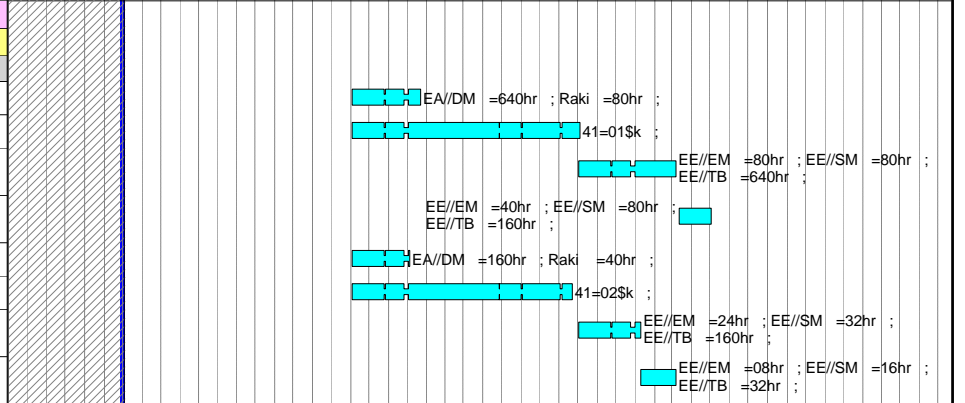
4501-100	Design Drawings	02FEB04A	193*	30SEP04A			100	23,941.30	18
4501-110	Calculations-FY04	01MAR04A	151*	30SEP04A			100	0.00	18
451-0-1	C-Site Decision	30APR04A	0	30APR04A			100	0.00	18
451-7-2	FDR DC transmission-Dsn	01MAY04A	0*	28MAY04A			100	10,236.00	18
451-7-20	FDR DC transmission		0	28MAY04A			100	0.00	18
451-0-2	Develop SRD	01OCT04*	21	29OCT04	1,237			0.00	18
451-3-2	Dwgs,asbuilts -Elect Dsn	03APR06*	497	31MAR08	389			157,567.53	18
451-2-1	CDR Power system -Dsn	04JAN05*	51*	15MAR05	1,148			42,654.40	18
451-2-2	PDR Power system -Dsn	01MAR05*	69*	06JUN05	1,090			42,654.40	18
451-2-2.1	FDR C-Site	16MAY05*	64*	15AUG05	1,041			31,990.80	18
451-6-2	FDR C-Site -Cabling	16MAY05*	64*	15AUG05	1,041			31,990.80	18
451-4-2	FDR AC auxiliaries & grounding-Dsn	05JUL06*	45	06SEP06	777			10,874.40	18
451-1-2	Calculations-Dsn	01APR05*	498	30MAR07	638			54,089.10	18



452 - Electrical Systems Support

Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN

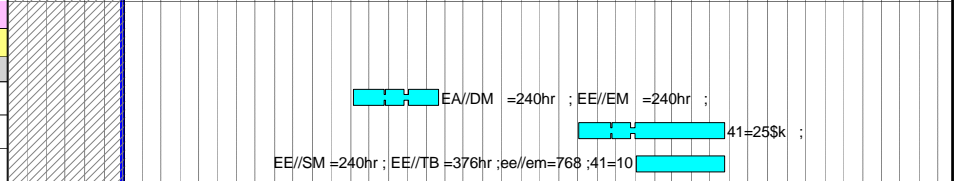
452 - Electrical Systems Support									
452-1-2	Diagnostics AC Power Distr-Dsn	03OCT05*	72*	20JAN06	329			81,512.00	26
452-1-4	Diagnostics AC Power Distr-Procure	05OCT05*	248	03OCT06	256			1,290.28	26
452-1-6	Diagnostics AC Power Distr-Install	02OCT06*	105	07MAR07	153			77,322.40	26
452-1-8	Diagnostics AC Power Distr-Commission	13MAR07*	37	02MAY07	153			30,080.80	26
452-2-2	Diagnostics sensor cabling-Dsn	03OCT05*	61*	05JAN06	380			23,680.80	26
452-2-4	Diagnostics sensor cabling-Procure	05OCT05*	240	21SEP06	264			2,580.00	26
452-2-6	Diagnostics sensor cabling-Install	02OCT06*	65	10JAN07	193			21,480.64	26
452-2-8	Diagnostics sensor cabling-Commission	11JAN07*	40	07MAR07	193			6,016.16	26



453 - System Testing (PTP's)

Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN

453 - System Testing (PTP's)									
453-1-2	New Procedures	06OCT05*	90	20FEB06	300			65,246.40	18
453-1-4	Preop Testing-Procure test equipt	02OCT06*	160	23MAY07	145			33,125.00	18
453-1-8	Testing PTPs, ISTEPs	04JAN07*	100	23MAY07	145			207,122.72	18



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EC18

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
46 - FCPC Building Modifications																																																																				
460																																																																				
Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN																																																																				
0000																																																																				
4601-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	1,300.00	0																																																												
5 - Central I&C Systems																																																																				
51 - TCP/IP Infrastructure Systems																																																																				
Job: 5801 -Central I&C Integr & Oversight-OLIARO																																																																				
51-00	FY03	01APR03A	250*	30SEP03A		LOE	11,900.00	3																																																												
51-01	FY04 LOE support	01OCT03A	250*	30SEP04A		LOE	12,358.20	3																																																												
51-10	Preliminary Design (Title I)	21AUG06*	45	23OCT06	213		6,212.12	5																																																												
51-20	Final Network Design (Title II)	24OCT06	20	20NOV06	213		6,408.80	5																																																												
51-30	Installation, Testing, Documentation (Title III)	21NOV06*	120	17MAY07	213		252,039.30	5																																																												
52 - Central Instrumentation & Control																																																																				
52-10	Preliminary Design (Title I)	28JUL06*	45	29SEP06	109		24,414.40	10																																																												
52-20	Final Design (Title II) ECP17	02OCT06*	87	09FEB07	109		62,485.80	10																																																												
52-30	Installation, Testing, Doc (Title III) ECP17	12FEB07*	173	15OCT07	109		483,884.73	10																																																												
53 - Data Acquisition & Facility Computing																																																																				
53-10	Preliminary Design (Title I) ECP17	01AUG06*	45	03OCT06	129		25,997.95	16																																																												
53-20	Final Design (Title II) ECP17	04OCT06	65	12JAN07	129		52,872.60	16																																																												
53-30	Coding, Configuration, Testing (Title III) ECP17	15JAN07	173	17SEP07	129		249,490.10	16																																																												
54 - Facility Timing & Synchronization																																																																				
54-10	Preliminary Design (Title I) ECP17	02OCT06*	45	05DEC06	124		22,430.80	14																																																												
54-20	Final Design (Title II) ECP17	06DEC06	65	14MAR07	124		25,635.20	14																																																												
54-30	Installation, Testing, Doc ECP17	15MAR07	135	24SEP07	124		158,726.20	14																																																												
55 - Real Time Plasma & Power Supply Control Sys																																																																				
55-10	Preliminary Design (Title I)	02OCT06*	45	05DEC06	184		12,817.60	8																																																												
55-20	Final Design (Title II)	06DEC06	20	10JAN07	184		12,817.60	8																																																												

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
55-30	Installation, Testing, Documentation (Title III)	11JAN07	120	28JUN07	184		125,610.60	8																									EC//EM =480hr ; EC//SM =500hr ; 41=0\$K ;																																			
56 - Central Safety Interlock Systems																																																																				
56-10	Preliminary Design (Title I)	02OCT06*	87	09FEB07	129		25,635.20	8																																					EC//EM =160hr ;																							
56-20	Final Design (Title II)	12FEB07	45	13APR07	129		25,635.20	8																																					EC//EM =160hr ;																							
56-30	Installation, Testing, Documentation (Title III)	16APR07	108	17SEP07	129		306,390.60	8																									EC//EM =780hr ; EE//SM =1,200hr ; 41=27\$K ;																																			
57 - Control Room Facility																																																																				
57-10	Preliminary Design (Title I)	01OCT04	0	30SEP04	1,258		0.00	3																																																												
57-20	Final Design (Title II)	01OCT04	0	30SEP04	1,258		0.00	3																																																												
57-30	Installation, Testing, Documentation (Title III)	01OCT04	0	30SEP04	1,258		0.00	3																																																												
58 - Central I&C management and Integration																																																																				
Job: 5801 -Central I&C Integr & Oversight-OLIARO																																																																				
51-02	FY05 LOE support	01OCT04*	250*	30SEP05	1,008		12,900.00	3																																					EC//EM =86hr ;																							
6 - Facility Systems																																																																				
61 - Water Systems																																																																				
611 - C-Site Cooling System																																																																				
611 - C-Site Cooling System																																																																				
615.011	Engr recommissioning of C-Site Water systems	02OCT06*	40	28NOV06	213		10,401.72	20																																					em//em=58																							
615.021	Replace valves, resins, filters	29NOV06	40	31JAN07	213		140,696.38	20																																					em//tb=216;41=\$92.3 k																							
612 - NB Water Cooling Systems																																																																				
612 - NB Water Cooling Systems																																																																				
622.001	**not req'd for CD-4** ECP 16	01OCT04	0	30SEP04	1,258		0.00	20																																																												
613 - Vacuum Pumping System																																																																				
613 - Vacuum Pumping System																																																																				
623.011	Design WBS 612	02OCT06*	59	02JAN07	194		23,312.00	20																																					em//em=80; ea//dm=80																							
632.021	WBS 612 Assembly/Fabrication/Installation	03JAN07*	40	27FEB07	194		66,041.54	20																																					em//em=80; em//tb=288; 41=\$20.5k																							
614 - Bakeout Water System																																																																				
614 - Bakeout Water System																																																																				
625.001	*not req'd for CD-4** ECP 16	01OCT04	0	30SEP04	1,258		0.00	20																																																												
62 - Cryogenic Systems																																																																				
621 - LN2-LHe Supply System																																																																				
621 - LN2-LHe Supply System																																																																				
631-001	Preliminary Design	02OCT06*	65	10JAN07	134		15,961.26	20																																					EM//EM =89hr ;																							

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
7 - Test Cell Preparation and Machine Assy																																																																				
71 - Shield Wall Seismic Modifications																																																																				
740 - Machine Assembly Planning and Oversight																																																																				
Job: 7101 - Shield Wall Modif Design-PERRY																																																																				
0000																																																																				
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	32,150.00	0																																																												
72 - Control Room Refurbishment																																																																				
720																																																																				
Job: 7201 - Control Room Walls&Floors-PERRY																																																																				
710.001	Block Wall east side control room	04JAN05*	24	04FEB05	1,157		41,762.40	10																																																												
711B.050	Complete Control Room Flooring	07FEB05	18	02MAR05	1,157	85	8,447.76	10																																																												
73 - Platform Design & Fabrication																																																																				
730 - Test Cell & Basement Assembly Operations																																																																				
Job: 7301 - Platform Design & Fab-PERRY																																																																				
712.008	Update Platform Specification	01NOV04*	20	30NOV04	444		6,699.60	24																																																												
712.009	Platform PDR		0	30NOV04*	444		0.00	24																																																												
712.010	Final Design	01DEC04	65	09MAR05	444		54,843.60	6																																																												
711A.040	Platform nut plates	01FEB05*	65	02MAY05	406	75	30,027.00	6																																																												
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																																																																				
712.020	Fab & Assemble Platform	03OCT05*	132	14APR06	300		24,541.00	10																																																												
712.030	Miscs Hardware/Material	03OCT05*	132	14APR06	300		45,150.00	10																																																												
74 - Machine Assembly Planning and Oversight																																																																				
740 - Machine Assembly Planning and Oversight																																																																				
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																																																																				
Test Cell Modifications & Upgrades																																																																				
613.030	Test Cell copper ground plane cuts	01FEB05*	20	28FEB05	1,157		10,935.00	24																																																												
713.010	General procurements	01FEB05*	40	28MAR05	1,137		20,835.00	24																																																												
7502-000	Outlet Design	02FEB04A	107*	30JUN04A		100	25,272.00	24																																																												
7502-001	Test Cell 110v outlets	03JAN05*	20	28JAN05	1,180		15,556.80	24																																																												
7502-002	Test Cell 208v outlets	03JAN05*	20	28JAN05	1,180		7,778.40	24																																																												
7502-010	Ready Rooms (under control room) 110v outlets	03JAN05*	20	28JAN05	1,054		7,778.40	24																																																												
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0*	31OCT03A		100	9,937.20	24																																																												
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A		100	16,848.00	24																																																												
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0*	30JAN04A		100	37,608.48	24																																																												
741 - Planning Prior to Machine Assembly																																																																				
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																																																																				
0000																																																																				
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	131,680.00	15																																																												
Oversight and Supervision																																																																				
711A.020	LOE FY04	01OCT03A	256*	30SEP04A		LOE	149,894.50	15																																																												

ee//tb=320; 41=\$12k
 ee//sm Edwards= 24 hrs;
 tucker jr =36 voorhees=36

Perry=40
 PERRY=140;messineo=300
 em//tb mech shop =360 hrs;41=\$1k

PERRY=410;em//sm=23;em//tb=250
 41=\$35k

tucker jr,voorhees 60 each 41=\$1k
 41=\$ 15 k
 em//sm=240
 160 hrs powers;
 80 hrs powers
 80 hrs powers

Perry=863;ea/dm=100

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
FED/Infrastructure Support (non Project cost)																																																																				
613.010	Remove Shield Walls ** GPP **	01APR04A	64*	22JUN04A			0.00																																																													
613.015	Fabricate New Bottom Course of Blocks **GPP**	01APR04A	180*	15DEC04	1,204		0.00																																																													
613.017	Install New Bottom Course **GPP**	15NOV04*	107	22APR05	1,118		0.00																																																													
613.020	Remove south PLT shielding (cc 7230)	01JUN04A	0*	22JUN04A			0.00																																																													
613.025	Dispose of old south PLT shielding **GPP**	01AUG04A	0*	31AUG04A			0.00																																																													
EXFAC003	Clear PBX control room & Safe PBX (cc7230)	27JAN03A	110*	30JUN03A	100		0.00																																																													
EXFAC004	Remove Fire protection PLT wall (cc7230)	01MAY03A	21*	09MAY03A	100		0.00																																																													
EXFAC005	Remove Fire Protection under platform (cc7230)	01APR03A	21*	30APR03A	100		0.00																																																													
EXFAC006	Remove Fire Protection Control rm walls(cc7230)	01MAY03A	21*	09MAY03A	100		0.00																																																													
EXFAC007	Remove PBX Base Plates cc7230)	25FEB04A	48*	12MAR04A	100		0.00																																																													
GPP001	GPP-Upgarde C-Site central chilled wtr plant*TBD	01OCT02A	1	01OCT02A			0.00																																																													
GPP004	GPP-Roofing Design	01APR04A	128*				0.00																																																													
GPP004.1	GPP-Roofing Install	01OCT04*	0*	30SEP04	1,258		0.00																																																													
GPP005	GPP-Test Cell lighting Design	01APR04A	128*				0.00																																																													
GPP005.1	GPP-Test Cell lighting Install	01OCT04	64	10JAN05	1,194		0.00																																																													
GPP006	GPP-Test Cell HVAC/dew point control Design	01OCT04*	120	29MAR05	1,010		0.00																																																													
GPP006.1	GPP-Test Cell HVAC/dew point control Install	30MAR05	128	28SEP05	1,010		0.00																																																													
GPP007	GPP-C-Site elevators Design	01OCT04*	0*	30SEP04	1,258		0.00																																																													
GPP007.1	GPP-C-Site elevators Install	01OCT04	0*	30SEP04	1,258		0.00																																																													
GPP008	GPP-Fire suppression high bay design	01OCT04*	64	10JAN05	1,130		0.00																																																													
GPP008.1	GPP-Fire suppression high bay install	11JAN05	64	08APR05	1,130		0.00																																																													
GPP009	Control Room Lights & Outlets design	01OCT04*	122*	31MAR05	1,008		0.00																																																													
GPP009.1	Control Room Lights & Outlets install	01APR05	64	30JUN05	1,008		0.00																																																													
GPP010	Control Room HVAC Design	01OCT04*	122*	31MAR05	1,008		0.00																																																													
GPP010.1	Control Room HVAC Install	01APR05	64	30JUN05	1,008		0.00																																																													
GPP011	Control Room Ceiling Design	01APR05*	64	30JUN05	1,008		0.00																																																													
GPP011.1	Control Room Ceiling Install	01JUL05	64	30SEP05	1,008		0.00																																																													
GPP012	Control Rm Fire Detection & Suppression Design	01OCT04*	122*	31MAR05	1,008		0.00																																																													
GPP012.1	Control Rm Fire Detection & Suppression Install	01APR05	64	30JUN05	1,008		0.00																																																													
742 - Construction Management																																																																				
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																																																																				
Project Scope																																																																				
714.010	LOE FY05	01OCT04*	249	29SEP05	351		114,306.69	15																																																												
714.020	LOE FY06 prior to assy starting	30SEP05	246	26SEP06	351		116,559.84	15																																																												
714.030	LOE FY07 thru first plasma	02OCT06*	300	12DEC07	348		550,917.49	15																																																												
714.031	WBS 7 mgt stretch out cost	13DEC07	112	28MAY08	348		286,369.20	15																																																												

Run Date 22NOV04 10:31

CD-3 Proposed Baseline
 Progress Bar
 Critical Activity

EC18

NCSX
ECP 18

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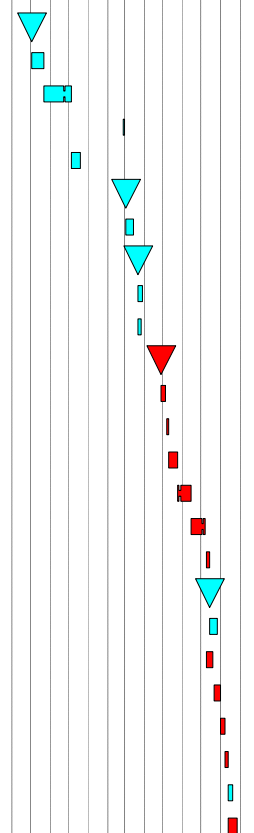
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04												FY05												FY06												FY07												FY08											
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S						
75 - Test Cell and Basement Assembly Operations																																																																				
750 - Test Cell & Basement Assembly Operations																																																																				
7501 - Construction Support Crew																																																																				
7501-05	Construction Support Crew during machine assy	02OCT06*	260	15OCT07	109		814,222.14	24																																																												
7501-06	Construction Support Crew during e-beam mapping	07NOV07	41	15JAN08	443		95,732.09	24																																																												
7501-07	Construction Support Crew during cryostat instl	28AUG07	40	23OCT07	494		92,672.39	24																																																												
7502 - Test Cell Facility Preparations																																																																				
7502-020	Resurface TC floor	03OCT05*	42	01DEC05	882		30,660.00	24																																																												
7502-030	TC Floor firesealing	02DEC05	42	07FEB06	882		13,320.00	24																																																												
7502-035	Control room firesealing	08FEB06	42	06APR06	882		8,880.00	24																																																												
7503 - Machine Assembly																																																																				
Final Assembly *Preliminary revised logic*																																																																				
7503-010	Begin Assembly Activities	02OCT06*	0		184		0.00	24																																																												
7503-020	Install & Level Support Base Plates	02OCT06	15	20OCT06	184		65,659.20	24																																																												
7503-030	Install/Level FPA's and Spool Piece supports	23OCT06	30	05DEC06	184		131,318.40	24																																																												
7503-060	Install Lower PF 4,5&6 into prelim position	27FEB07	2	28FEB07	144		4,590.56	24																																																												
7503-070	Install 3 Spool Pieces on fixt & test movement	06DEC06	10	19DEC06	184		43,772.80	24																																																												
7503-080	FPA-1 Installed on support platform		0	01MAR07	138		0.00	24																																																												
7503-090	Install local Platforms around FPA-1	02MAR07	10	15MAR07	139		43,772.80	24																																																												
7503-110	FPA-2 Installed on support platform		0	22MAR07	123		0.00	24																																																												
7503-120	Test movement of FPA-1& -2 & position checks.	23MAR07	5	29MAR07	123		21,886.40	24																																																												
7503-130	Install local Platforms around FPA-2	23MAR07	3	27MAR07	131		43,772.80	24																																																												
7503-150	FPA-3 Installed on support platform		0	26APR07	103		0.00	24																																																												
7503-160	Position all FPA's / Spool Pieces @ MC Interface	27APR07	6	04MAY07	103		26,263.68	24																																																												
7503-170	FPA Metrology Checks to Assure Alignment	07MAY07	3	09MAY07	103		3,179.52	24																																																												
7503-190	Install local Platforms around FPA-3	10MAY07	10	23MAY07	103		43,772.80	24																																																												
7503-180	MC Interfaces: shim, ream holes ,bolt together	24MAY07	15	14JUN07	103		86,102.40	24																																																												
7503-200	Mate-up and weld all VV-to-Spool interfaces	15JUN07	15	06JUL07	103		75,315.60	24																																																												
7503-240	Bolt on preassembled pump duct	09JUL07	5	13JUL07	103		18,290.80	24																																																												
7503-250	Begin Vac Vsl Pumpdown	16JUL07	0		110		0.00	24																																																												
7503-260	PTP Pumpdown & leak check VV	16JUL07	10	27JUL07	110		50,210.40	24																																																												
7503-210	Fit-up all TF coils	09JUL07	10	20JUL07	103		57,401.60	24																																																												
7503-270	Raise lower PF 4,5&6 coils into final position	23JUL07	6	30JUL07	103		26,263.68	24																																																												
7503-280	Install Upper PF 4,5 & 6 coils	31JUL07	6	07AUG07	103		26,263.68	24																																																												
7503-290	Install PF Solenoid into position (U/L PF1,2,3)	08AUG07	4	13AUG07	103		17,509.12	24																																																												
7503-310	Complete LN2 connections **2 SHIFT**	14AUG07	5	20AUG07	108		36,581.60	24																																																												
7503-320	Complete Elect Pwr connections **2 SHIFT**	14AUG07	10	27AUG07	103		100,420.80	24																																																												

Work Control Center em//sm=2467 (1fte)
Tool Crib Control em//tb=1234 (.5 fte)
Crane Operator & support em//tb=2468 (1.0 fte)
Forklift Operator & support em//tb=2468 (1.0 fte)

em//tb=1087 support techs (4 fte)

Work Control Center em//sm=277 (1 fte)
Tool Crib Control em//tb=139 (.5 fte)
Crane Operator & support em//tb=277 (1 fte)
Forklift Operator & support em//tb=277 (1 fte)

ee//tb=160; M&S=\$10k
ee//tb=120;
ee//tb=80



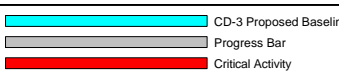
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04				FY05				FY06				FY07				FY08														
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O
7503-321	Complete mag diag & machine I&C **2 SHIFT**	14AUG07	10	27AUG07	103		45,905.60	24																															
7503-330	Begin Cryostat Installation	28AUG07	0		103		0.00	24																															
7503-340	Install Cryostat Base, vapor barrie& port boots	28AUG07	10	11SEP07	103		36,581.60	24																															
7503-350	Install Cryostat upper section,VB and port boots	12SEP07	10	25SEP07	103		36,581.60	24																															
7503-360	Install Midplane Cryostat sections and port boot	26SEP07	15	16OCT07	103		56,362.32	24																															
7503-370	Install Cryostat Circulation Duct	17OCT07	5	23OCT07	103		18,911.60	24																															
730.8200Z	PTP and Cooldown (dup of 730.8200)	24OCT07	10	06NOV07	103		0.00	30																															
730.1248	ACC Review	11SEP07	20	08OCT07	109		0.00	30																															
730.1249	PSO Operational Readiness Assessment	09OCT07	5	15OCT07	109		0.00	30																															
730.1250	PSO Operational Readiness Assessment		0	15OCT07	109		0.00	24																															
730.8200	PTP and Cooldown	24OCT07	10	06NOV07	103		66,749.60	30																															
76 - Tooling Design & Fabrication																																							
Job: 7601 - Tooling Design & Fabrication																																							
713.020	Lab Fab/Assy/Installation	05JUL06*	370*	02JAN08	450		31,087.56	24																															
713.030	Tooling,assy fixtures,misc equipt	05JUL06*	370*	02JAN08	450		79,406.43	24																															
713.040	General procurements	05JUL06*	370*	02JAN08	450		59,554.82	24																															
713.050	Welding tools, materials & equipt	05JUL06*	370*	02JAN08	450		52,937.62	24																															
8 - Project Oversight and Support																																							
81 - Project Management and Control																																							
810 - Project Management & Control																																							
Job: 8101 - Project Management & Control-NEILSON																																							
0000																																							
810.001	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	100		387,340.00	0																															
FY04 Actual Cost																																							
810.009	PDR Support	01OCT03A	3*	31OCT03A	100		41,163.08	17																															
810.002	Project Management Office PPPL FY04	01OCT03A	256*	30SEP04A	LOE		689,381.22	17																															
810.003	Project Management Office PPPL FY05	01OCT04*	250*	30SEP05	1,006		687,785.00	17																															
810.004	Project Management Office PPPL FY06	03OCT05*	248*	29SEP06	758		644,509.94	17																															
810.005	Project Management Office PPPL FY07	02OCT06*	249*	28SEP07	509		513,758.61	17																															
810.900	Project Management Office PPPL FY08	01OCT07*	164	29MAY08	345		126,311.11	17																															
Job: 8102 - NCSX MIE Management ORNL-LYON																																							
0000																																							
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A	100		58,600.00	0																															
FY04 Actual Cost																																							
810.102	Project Management Office ORNL FY04	01OCT03A	256*	30SEP04A	LOE		120,228.22	17																															
810.103	Project Management Office ORNL FY05	01OCT04*	250*	30SEP05	1,006		95,660.87	17																															

em//em=160; em//sm=160; em//tb=960
em//em=160; em//sm=160; em//tb=960
em//em=80; em//sm=80; em//tb=480

PERRY=80;em//sm=42;em//tb=140
41=\$60k
41=\$45k
41=\$40k
Neilson=1467; Schmid=884; 41=06\$K; 35=08\$K ;
Strykowski =884hr ;Hampron =624hr ;
Hutch=1502 85% ;41=06\$K ; 35=08\$K ;
strykowski=1591hr 90% ;
pam =1040hr 50% ; phil=173 10%
Schmidt=141 8%
hutch=1503 41=02\$K ; 35=04\$K ;
strykowski=1502;pam=1040;phil=345
hutch=1061;strykowski=1326;pam=832
hutch=177;strykowski=442;pam=208;35=5

ORNLRM =358hr; Akers=178;Benson=178
ORNL41 =03\$; ORNL35 =04\$;
ORNLRM =354hr; ornlam=178
ORNL41 =02\$; ORNL35 =03\$;

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contingency %	FY04			FY05			FY06			FY07			FY08										
									A	M	J	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J
810.104	Project Management Office ORNL FY06	03OCT05*	248*	29SEP06	509		49,323.49	17																				ORNLRM =180hr ORNL41 =25 om lam=89			
810.104X	Project Management Office ORNL FY06	02OCT06	249*	28SEP07	509		36,217.36	17																				ORNLRM =180hr ORNL41 =25 om lam=0			
810.105	Project Management Office ORNL FY07	01OCT07	0*	28SEP07	509		0.00	17																							
810.901	Project Management Office ORNL 1 mo SO	02OCT07*	21	30OCT07	340		0.00	0																				ORNLRM =0hr			
810.980	Project Management Office ORNL 1 mo SO	31OCT07*	21	28NOV07	340		0.00	0																				ORNLRM =0hr			
810.981	Project Management Office ORNL 1 mo SO	03DEC07*	21	09JAN08	340		0.00	0																				ORNLRM =0hr			
810.982	Project Management Office ORNL 1 mo SO	10JAN08*	21	07FEB08	340		0.00	0																				ORNLRM =0hr			
810.983	Project Management Office ORNL 1 mo SO	08FEB08*	21	07MAR08	340		0.00	0																				ORNLRM =0hr			
810.984	Project Management Office ORNL 1 mo SO	10MAR08*	21	07APR08	340		0.00	0																				ORNLRM =0hr			
810.985	Project Management Office ORNL 1 mo SO	08APR08*	21	06MAY08	340		0.00	0																				ORNLRM =0hr			
810.986	Project Management Office ORNL 1 mo SO	07MAY08*	21	05JUN08	340		0.00	0																				ORNLRM =0hr			
820 - Project Engineering																															
Job: 8101 - Project Management & Control-NEILSON																															
FY04 Actual Cost																															
M-0110	CD-2		0	03FEB04A				0.00																							
M-0115	CD-3		0	16SEP04A				0.00																							
82 - Project Engineering																															
820 - Project Engineering																															
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN																															
0000																															
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	295,530.00	0																							
FY04 Actual Cost																															
820.002	LOE FY04	01OCT03A	256*	30SEP04A		LOE	626,751.30	17																				Reiersen =1467hr 35=85k ; Dudek/Gentile=604; Such=86 41=\$30 k; Simmons=1326			
8202-ECP16	ecp16	01OCT03A	256*	30SEP04A		LOE	68,000.00	17																							
820.003	Proj engr FY05	01OCT04*	250*	30SEP05	1,006		431,767.64	17																				wayne=1640 95% dudek=690 40%;35=7k such=173 10%; gentile=86 5%			
820.004	Proj engr FY06	03OCT05*	248*	29SEP06	758		392,793.60	17																				wayne=1640;35=5k;dudek=518 such=173;			
820.004Z	Proj engr FY07	02OCT06*	246*	25SEP07	512		241,867.20	17																				wayne=1036;35=5k;dudek=173 such=173			
820.005	Proj engr FY08	01OCT07*	165*	30MAY08	344		101,796.02	17																				wayne=518;35=3			
8205FY05	System Engr Support FY05	01OCT04*	250*	30SEP05	1,006		222,308.24	17																				:simmons=1208 70%			
8205FY06	Systems Engineering Support FY06	03OCT05*	248*	29SEP06	758		161,959.21	17																				simmons=863 50%			
8205FY07	Systems Engineering Support FY07	02OCT06*	250*	01OCT07	508		119,024.24	17																				simmons=604 35%			
Job: 8203 - Design Integration-BROWN																															
0000																															
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	178,750.00	0																							
FY04 Actual Cost																															
820.200	LOE FY04	01OCT03A	256*	30SEP04A		LOE	257,272.80	17																				Brown=1036; Steill= 863			
8203-ECP16	ecp16	01OCT03A	256*	30SEP04A		LOE	125,000.00	17																							

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Budget	contin-gency %	FY04												FY05												FY06												FY07												FY08																																															
									A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S																																										
920.001	Procedure and Document Preparation	16OCT06*	250	15OCT07	109		561,846.69	20	em//em=1896;em//sm=1896																																																																																															
920.000	Startup Personnel	17SEP07	72	07JAN08	103		658,829.59	30	em//em=1066, ee//em=432, ec//em=432 em//sm=979, ee//sm=0, em//tb=432 r//rm2=490;ee//tb=864																																																																																															
920.004	Begin Start-up Testing	07NOV07	0		103		0.00	30																																																																																																
920.005	Punch list, Cmpl't PTP's, Reconfig, Rm temp Hi-pot	23AUG07	37	15OCT07	119		0.00	30																																																																																																
920.010	Field Coil Testsing, FCPC test & E-Beam Mapping	07NOV07	25	13DEC07	103		0.00	30																																																																																																
920.020	Final ISTOP	14DEC07	7	02JAN08	103		0.00	30																																																																																																
920.021	Operations Approval	03JAN08	3	07JAN08	103		0.00	30																																																																																																
730.9000	First Plasma		0	07JAN08	103		0.00	24																																																																																																
Allocations																																																																																																								
PPPL Allocations																																																																																																								
PPPL Allocations																																																																																																								
Job: 8998 - Allocations																																																																																																								
0000																																																																																																								
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	100		60,670.00	0																																																																																																
FY04 Actual Cost																																																																																																								
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A	LOE		265,920.20	10	54=153.8																																																																																															
99.05	PPPL Allocations FY05	01OCT04*	250*	30SEP05	1,006		314,332.20	10	54=181.8																																																																																															
99.06	PPPL Allocations FY06	03OCT05*	248*	29SEP06	758		320,745.30	10	54=187.9																																																																																															
99.07	PPPL Allocations FY07	02OCT06*	249*	28SEP07	509		166,893.23	10	54=92.77																																																																																															
Contingency																																																																																																								
Contingency																																																																																																								
Contingency-Project																																																																																																								
99.105	Contingency	01SEP05*	20*	29SEP05	1,007		1,200,001.40	0	ea engr tbd=760;mech design tbd=435;ornl=\$100k MCWF = \$450k; VVSA = \$350k FOM Techs TBD=1595;																																																																																															
99.106	Contingency	03OCT05*	248*	29SEP06	758		2,917,148.73	0																																																																																																
99.107	Contingency	02OCT06*	249*	28SEP07	509		5,431,133.02	0																																																																																																
99.108	Contingency	01OCT07*	165*	30MAY08	344		3,504,602.56	0																																																																																																