

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase												
										FY04	FY05	FY06	FY07	FY08	FY09	FY10					
	1202-863	Report Results *ECP6*	5	23SEP04	29SEP04	583		3,876.00													
	1202-866	Engineering Oversight *ECP6*	148	03MAR04*	29SEP04	1,279		18,249.50													
VV Subcontractor Oversight																					
	1202-400	Oversight and Contract Management	79*	01OCT03A	02JAN04A		LOE	62,738.00													
	1202-401	Oversight and Contract Management	63*	05JAN04A	31MAR04	1,387	LOE	48,687.50													
	1202-402	Oversight and Contract Management	85*	01APR04*	30JUL04	1,302	LOE	18,572.50													
Major Tool Subcontract (S04344F)																					
	1202-303	MT-Issue VVSA MIT/QA plans and C&S Est (3.1)	0*	02JUN03A	13JUN03A		100	17,153.60													
	1202-305	MT-Issue Draft MIT/QA plan (3.2.1)	15	13JUN03A	27JUN03A		100	10,050.56													
	1202-310	MT-Incorp Comments & Reissue MIT/QA Plan (3.2.1)	0*	10JUL03A	17JUL03A		100	0.00													
	1202-315	Finalize SOW/contract & Release MT for PVVS Fab	52*	18JUL03A	15AUG03A		100	0.00													
	1202-320	MT-PPPL Fabrication Release	0		15AUG03A		100	0.00													
	1202-324	MT-PVVS Begin Fabrication (3.2.2)	56*	18AUG03A	30SEP03A		100	368,464.16													
	1202-325	MT-PVVS Complete Fabrication (3.2.2) *ECP6	90*	10NOV03A	17MAR04	222	85	375,125.28													
	1202-325.1	Major Tool VVSA Prototype Received	0		17MAR04	222	85	0.00													
	1202-325A	Vist MT for welding	3	02FEB04*	04FEB04	1,446		2,584.00													
	1202-327	PPPL Receipt Inspection of MT PVVS	10	18MAR04	31MAR04	218		14,148.00													
	1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	19	27MAY04	23JUN04	197		6,370.00													
	1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	19	27MAY04	23JUN04	197		6,370.00													
	1202-335.1	Major Tool VVSA Price Proposal Received	0		23JUN04	197	85	0.00													
Rohwedder Subcontract (S04345F)																					
	1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	0*	02JUN03A	13JUN03A		100	71,888.08													
	1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	76*	13JUN03A	27JUN03A		100	19,352.16													
	1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	0*	10JUL03A	17JUL03A		100	0.00													
	1202-415	Finalize SOW/contract & Release MT for PVVS Fab	52*	18JUL03A	15AUG03A		100	0.00													
	1202-420	RW-PPPL Fabrication Release	0		15AUG03A		100	0.00													
	1202-424	RW-PVVS Begin Fabrication (3.2.2)	131*	18AUG03A	30SEP03A		100	143,280.88													
	1202-425.1	Rohwedder VVSA Prototype Received	0		17MAR04	222	85	0.00													
	1202-435.1	Rohwedder VVSA Price Proposal Received	0		23JUN04	197	85	0.00													
	1202-424A	RW identify fabricator	1	01DEC03A	15DEC03A		100	0.00													
	1202-424B	PPPL approve new fabricator	1	16DEC03A	31DEC03A		100	0.00													
	1202-424C	PPPL review fabricator QA	20*	02FEB04*	27FEB04	1,429	80	0.00													
	1202-424D	PPPL visit fabricator (Jan)	2	02FEB04*	03FEB04	1,447		0.00													
	1202-424E	PPPL visit fabricator (Feb)	2	16FEB04*	17FEB04	1,437		0.00													
	1202-425	RW-PVVS Complete Fabrication (3.2.2) *ECP6*	118*	01OCT03A	17MAR04	222	38	311,059.84													

										FY04	FY05	FY06	FY07	FY08	FY09	FY10
Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase								
1203-301	Update Cost and Schedule Estimates	20*	21APR04*	18MAY04	199		3,088.56		Goranson=24hr							
1203-321	Assemble FDR Drawing Package, Check & Promote	32*	01APR04*	14MAY04	201		4,118.08		Goranson=32hr							
1203-331	Prepare Presentations	15	26APR04*	14MAY04	201		12,869.00		Goranson=100hr							
125-001	Title I design WBS 125 local I&C	43	22MAR04*	19MAY04	198		10,192.25		ORNLEM =79hr ;							
1203-341	Conduct VVSA FDR	0		19MAY04	198		0.00									
1203-311	Prepare Final Design ECP	10	20MAY04*	03JUN04	1,366		3,088.56		Goranson=24hr							
1203-361	Final Design of Insulation and Heating/Cooling	230*	03NOV03A	28FEB05	265	30	31,127.06		Goranson=232hr							
1203-271	Develop Assembly & Installation Procedures	167*	01JUL04*	28FEB05	265		44,133.45		dahlgren=120hr;Goranson=180							
122-011	Title II design WBS 122 Thermal insulation	167*	01JUL04*	28FEB05	265		42,921.58		EA/EM =20hr ; ORNLEM =291hr ;							
124-011	Title II design WBS 124 VV supports	167*	01JUL04*	28FEB05	265		21,574.43		ORNLEM =158hr ;							
125-011	Title II design WBS 125 local I&C	167*	01JUL04*	28FEB05	265		10,787.22		ORNLEM =79hr ;							
1203-900	Comprehensive WBS 12 FDR	0		28FEB05	265		0.00									
Vacuum Vessel Vendor Selection																
121-6-6	Finalize tech Doc package & Resolve chits	15	06MAY04	26MAY04	193		1,286.90		goranson=10							
121-6-8	Evaluate and Select VV Production Vendor	16	24JUN04	16JUL04	193		2,901.90		viola=10; goranson=10							
121-6-83	Negotiate with vendor	9	19JUL04	29JUL04	193		1,615.00		Viola=10							
121-6-85	DOE Approve VV Selection & contract	11	30JUL04	13AUG04	193		0.00									
121-6-9	Award VVSA Production Vendor (Phase funded)	0		13AUG04	193		0.00									
121-36-9.2	Release for Fabrication	0		20AUG04	193		0.00									
Job:1204 - WBS 12 Title III, Procure,Fabricate																
121-031	VVSA Title III engr	639*	21MAY04*	22NOV06	736		238,831.20		Viola =643hr during fabrication; 35=\$24k Goranson =643 FDR through assy							
121-038	FAB VVSA ba=.6/2.27/0 BO=.4/2.17/3	303	23AUG04	28OCT05	198		2,955,260.87		41=\$500k; 4e=\$2,229.34k BA=.6/2.27/0; BO=.4/2.17/3							
121-038.1	Vacuum Vessel Delivered	0		28OCT05	1,008		0.00		PEP Date = February 2006							
121-038P	FAB VVSA NB ports	303	23AUG04	28OCT05	314		150,367.60		41=\$144.36k							
122-030	SPEA VV Thermal Insulation	65	05JUL05	03OCT05	112		0.00									
122-036.9	Award VV Insulation	0		03OCT05*	112		0.00									
122-037	VV Insulation Procurement WBS 122	105	04OCT05*	03MAR06	112		110,493.05		41=82.01\$k ; 35=02\$k ;							
122-031	Title III engr WBS 122	176	24JUN05	03MAR06	922		21,460.89		Viola =22hr ; Goranson =124hr ;							
123-030	SPEA VV Heating & Cooling	65	01JUL05	30SEP05	113		0.00									
123-036.9	Award VV Heating/Cooling Distribution	0		30SEP05	113		0.00									
123-037	VV Heating/Cooling Distr Procurement WBS 123	65	03OCT05*	05JAN06	113		321,760.80		41=67.8\$k + 178.76= \$246.56							
123-041	VV Heating/Cooling Fab/Assy WBS 123	40	06JAN06	02MAR06	113		14,744.50		EM//SM =34hr ; EM//TB =137hr ;							
123-031	Title III engr WBS 123	135	24JUN05	05JAN06	963		8,194.72		Viola =08hr ; Goranson =48hr ;							
124-030	SPEA VV Supports	65	08JUL05	06OCT05	138		0.00									
124-036.9	Award VV Supports	0		06OCT05	138		0.00									

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
	124-037	VV Supports Procurement WBS 124	100	07OCT05*	01MAR06	138		31,450.50								
	124-041	VV Supports Fab/assy WBS 124	20	02MAR06	29MAR06	138		660.60								
	124-031	Title III engr WBS 124	165	08JUL05	01MAR06	924		8,940.72								
	125-015	Title III design Local I&C	61	03OCT05*	29DEC05	238		2,608.38								
	125-037	Procurement Local I&C	60	04OCT05*	29DEC05	238		3,132.00								

13 - Conventional Coils

Job: 1301 - Conventional Coils Prel Design-KALISH

FY03 Actual Cost

1301-0002	Apr-Sept MIE Cost ORNL	64*	01APR03A	30SEP03A		100	0.00
1301-0003	Apr-Sept MIE Cost PPPL	64*	01APR03A	30SEP03A		100	91,660.00

Material Property Analysis & Testing

1301-300	Investigate Experimental Data *ECP6*	5	12APR04*	16APR04	169		642.80
1301-303	Prepare Test Reqmnts *ECP6*	5	19APR04	23APR04	169		1,607.00
1301-306	Testing on 2D glass,CTD *ECP6*	15	26APR04	14MAY04	169		1,928.40
1301-309	Re-evaluate Analysis *ECP6*	5	17MAY04	21MAY04	169		6,370.00
1301-312	Choose 3D or 2D glass *ECP6*	1	24MAY04	24MAY04	169		1,285.60
1301-315	Re-evaluate Failure Criteria *ECP6*	5	12APR04	16APR04	189		1,607.00
1301-318	Evaluate 3D glass *ECP6*	5	05APR04*	09APR04	189		642.80
1301-321	Order Sample Materials *ECP6*	30	25MAY04	07JUL04	169		5,750.40
1301-324	Build Samples *ECP6*	15	08JUL04	28JUL04	169		18,645.00
1301-327	Cryo Test for Coil Sample *ECP6*	15	29JUL04	18AUG04	169		14,511.00

1402-004	Subcontract analysis upport for PDR	41*	01OCT03A	26NOV03A		100	5,096.00
1402-005	VV/MCC PDR support	37*	01OCT03A	31OCT03A		100	4,178.20
1301-100	Prepare Scope Sheet to define interfaces	76*	03NOV03A	27FEB04	1,410	10	9,642.00
1301-105	Prepare Interface Dwgs for ICD's	92	01DEC03A	15APR04	182	50	4,821.00
1301-110	Finalize ICDs	10	16APR04	29APR04	182		4,821.00
1301-115	Update design Basis Document	11	01APR04*	15APR04	192		7,231.50
1301-120	Finalize SRD	11	01MAR04*	15MAR04	215		4,821.00
1301-140	Complete Draft SOW	10	02JAN04A	15JAN04A		100	4,821.00
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	2	16JAN04A	19JAN04A		100	1,285.60
1301-150	Vendor Responses	102*	02FEB04*	23JUN04	144		7,231.50
1301-155	Trim Coil Layouts	59*	01OCT03A	23DEC03A		100	55,762.90
1301-160	Trim Coil Leads	140*	01DEC03A	23JUN04	144	100	7,070.80
1301-165	PF1-PF3 Support System Layouts	15	01DEC03A	30JAN04A		100	21,373.10
163-001	Title I design CS sprt struc	140*	01DEC03A	23JUN04	144		58,370.66
1301-170	New Lead Details	10	01DEC03A	23DEC03A		100	14,141.60

41=24.1\$K ;
EM//SM =06hr ;
Viola =02hr ; Goranson =60hr ;
Goranson =18hr ;
41=2.4\$K ;

Kalish=4
10Kalish=
Kalish=12
Myatt=40
Kalish=8
Kalish=10
Kalish=4
Kalish=12; 41=\$3k
Kalish=30; em/tb=180
Kalish=30;Kozub=60

41=\$ 4 k
hetzenroeder=26hrs
Kalish=60 ;
Kalish=30
Kalish= 30
Kalish= 45
Kalish= 30
Kalish= 30
Kalish=30
Kalish= 45
Kalish= 35 ;Rushinski= 312
Kalish= 4 ;Rushinski= 40
Kalish= 13 ;Rushinski= 120
ORNLEM=34;Kalish=212;Rushinski=124
Kalish= 8 ;Rushinski= 80

Run Date 28APR04 08:20

current schedule
Progress Bar
Critical Activity

ECP6

NCSX
ECP6
(\$630k plan)

Sheet 5 of 44

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase												
										FY04	FY05	FY06	FY07	FY08	FY09	FY10					
	1301-175	Iterate & Finalize Design	128*	02JAN04A	30JUN04	139	30	29,568.80													
	1301-180	Update ANSYS model & structure	142*	03NOV03A	01JUN04	145	50	8,294.62													
	1301-185	FEA Analysis Coils,Stress deflection	125*	01DEC03A	02JUN04	159	50	12,272.40													
	1301-190	FEA Analysis PF Supports,Stress Deflection	15*	02JUN04	22JUN04	145		12,272.40													
	1301-195	Seismic Analysis	15	26NOV03A	26NOV03A		N/R	12,272.40													
	1301-125	Update Cost and Schedule	20	03JUN04	30JUN04	139		9,642.00													
	1301-130	Prepare for PDR	6	23JUN04	30JUN04	139		7,713.60													
	133-010	Title I design WBS 134 Conv Coil I&C	40	05MAY04*	30JUN04	139		14,784.40													
	1301-135	Conventional Coil PDR	0		30JUN04*	139		0.00													
Job: 1303 - WBS 13 Final Design -KALISH																					
	131-011	Title II design WBS 131 TF coils	64*	01JUL04*	30SEP04	139		100,189.87													
	131-012	WBS 13 TF FDR	0		30SEP04	139		0.00													
	141-011	Title II design WBS 132 PF coils	249	01OCT04*	30SEP05	187		167,006.83													
	163-011	Title II design CS sprt struc	249	01OCT04*	30SEP05	187		53,216.38													
	133-011	Title II design WBS 134 Conv Coil I&C	125	06APR05	30SEP05	187		15,198.40													
	184-011	Title II design WBS 133 Ext trim coils	125	06APR05*	30SEP05	259		39,983.57													
	141-012	WBS 13 PF/CS SPRT FDR	0		30SEP05	187		0.00													
Job: 1304 - WBS 13 Procure/Fab/Title III-KALISH																					
TF Coils																					
	131-034	Bid & Award TF Coils	45	20OCT04*	23DEC04	126		0.00													
	131-035	TF Coils Awarded	0		14JAN05	117		0.00													
	131-037	TF Coil Procurement [A/1]	425	17JAN05*	15SEP06	117		1,233,928.97													
	131-037A	TF Coil cost correction	241	06OCT05	15SEP06	117		81,707.61													
	131-038	All TF Coils Delivered	0		15SEP06	117		0.00													
	131-031	Title III engr	433*	13JAN05*	29SEP06	761		130,456.04													
PF Coils																					
	141-035	Bid & Award PF Coils	45	30JAN06*	31MAR06	154		0.00													
	141-036	PF Coils Awarded	0		31MAR06	154		0.00													
	143-037	PF 4 Procurement [A/1]	155	03APR06	08NOV06	158		224,756.29													
	144-037	PF 5 Procurement [A/1]	155	03APR06	08NOV06	158		239,130.45													
	145-037	PF 6 Procurement [A/1]	155	03APR06	08NOV06	158		211,469.78													
	141-037	PF OH Solenoid Procurement PF1 [A/1]	205	01MAY06*	26FEB07	134		173,241.98													
	141B-037	PF OH Solenoid Procurement PF2 [A/1]	205	01MAY06*	26FEB07	134		138,102.22													
	142-037	PF OH Solenoid Procurement PF3 [A/1]	205	01MAY06*	26FEB07	134		146,668.65													
	141-031	Title III engr WBS 132	268	30JAN06*	22FEB07	665		141,578.37													
CS Support Structure																					
	163-035	Bid & Award CS Support Struct	45	21DEC05	01MAR06	132		0.00													

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmplt	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
	1403-49.1	Process ECP for all changes	63	16FEB04*	12MAY04	122		5,147.60								
	1403-50	Prepare FDR documentation / presentations	9	05MAY04*	17MAY04	119		10,295.20								
	1403-50.1	Release EIO/JPP fflow solidif & mach simulation	0	01MAR04*		171		0.00								
	1403-50.2	Prepare Prelim Bid Package	15	13APR04	03MAY04	129		0.00								
	1403-50.5	Prelim Bid Package Released	0		03MAY04*	129		0.00								
	1403-51	Mod Coil Final Design Review	0		19MAY04*	117		0.00								
	C-081.1	JOULE MILESTONE #4 - CD-3 Readiness	0		19MAY04	1,352		0.00								
	Post FDR Update & Planning															
	1403-53	Resolve FDR comments and recommendations	15	20MAY04	10JUN04	117		15,442.80								
	1403-54	Final bid package(specs,models,dwgs)	13	24MAY04	10JUN04	117		20,590.40								
	C-071	Project eval cost proposals & select vendor	40	02JUL04	27AUG04	117		0.00								
	C-081	Award MCWF Mfg contract (phase funded)	0		27AUG04	117		0.00								
	Winding and Assembly Design-Prototype (typeC)															
	1403-100	Winding & Insulation Dwgs (8)-Prototype	60	02JAN04A	23APR04	144	24	5,404.98								
	1403-101	Leads & crossover Dwgs (10)-Prototype	60	02JAN04A	23APR04	144	24	6,691.88								
	1403-102	G-10 Filler Dwgs (24)-Prototype	60	02JAN04A	23APR04	144	24	16,214.94								
	1403-103	Clamp Dwgs (5)-Prototype	60	02JAN04A	23APR04	144	24	3,345.94								
	1403-104	Chill Plate Dwgs (66)-Prototype	60	02JAN04A	23APR04	144	24	44,526.74								
	1403-105	Installation Dwgs (1)-Prototype	60	02JAN04A	23APR04	144	24	772.14								
	1403-106	Cooling Schematic Dwgs (1)-Prototype	60	02JAN04A	23APR04	144	24	772.14								
	1403-107	Electrical Schematic Dwgs (1)-Prototype	60	02JAN04A	23APR04	144	24	772.14								
	1403-108	I&C Dwgs (1) -Prototype	60	02JAN04A	23APR04	144	24	772.14								
	1403-60	Update design basis document	30	15MAR04	23APR04	144		15,442.80								
	1403-20	Prototype Mod Coil Winding FDR (Type C Drawings)	0		23APR04	144		0.00								
	1403-59	Update build-to specifications	30	26MAY04	08JUL04	142		15,442.80								
	1403-20.1	Mod Coil Prototype Fabrication Readiness Review	0		08JUL04	142		0.00								
	Winding and Assembly Design-Type C															
	1403-200	Winding & Insulation Dwgs (8)-Type C Updates	20	29JUL04	25AUG04	122		1,029.52								
	1403-201	Leads & crossover Dwgs (10)-Type C Updates	20	29JUL04	25AUG04	122		1,286.90								
	1403-202	G-10 Filler Dwgs (24)-Type C Updates	20	29JUL04	25AUG04	122		3,088.56								
	1403-203	Clamp Dwgs (5)-Type C Updates	20	29JUL04	25AUG04	122		643.45								
	1403-204	Chill Plate Dwgs (66)-Type C Updates	20	29JUL04	25AUG04	122		8,493.54								
	1403-205	Installation Dwgs (1)-Type C Updates	20	29JUL04	25AUG04	122		257.38								
	1403-206	Cooling Schematic Dwgs (1)-Type C Updates	20	29JUL04	25AUG04	122		257.38								

Activity ID		Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmplt	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10	
1403	1403-207	Electrical Schematic Dwgs (1)-Type C Updates	20	29JUL04	25AUG04	122		257.38			Lovett= 1 ; Hargrove= 1						
	1403-208	I&C Dwgs (1) -Type C Updates	20	29JUL04	25AUG04	122		257.38			Lovett= 1 ; Hargrove= 1						
	1403-58C	Check and promote models / drawings -Type C	20	29JUL04	25AUG04	122		17,373.15			Cole, Williamson, Lovett, Hargrove, Jones=120						
	1403-61	Update cost / schedule estimates	30	15JUL04	25AUG04	122		15,442.80			Williamson=120						
	1403-62	Prepare FDR documentation / presentations	20	29JUL04	25AUG04	122		10,295.20			Williamson=80						
	1403-70	FDR - Production Type C Mod Coil Winding	0		25AUG04	122		0.00									
	1403-70.05	Update MIT/QA Plans for Type C Winding Fab	20	19NOV04	20DEC04	122		2,817.40			Williamson=20						
	1403-70.1	Fab Readiness Rvw - Production Type C MC Winding	0		20DEC04	122		0.00									
	Winding and Assembly Design-Type A																
	1403-300	Winding & Insulation Dwgs (8)-Type A	95	14JUL04	24NOV04	128		5,614.98			Lovett= 21 ; Hargrove= 21						
	1403-301	Leads & crossover Dwgs (10)-Type A	95	14JUL04	24NOV04	128		6,951.90			Lovett= 26 ; Hargrove= 26						
	1403-302	G-10 Filler Dwgs (24)-Type A	95	14JUL04	24NOV04	128		16,844.96			Lovett= 63 ; Hargrove= 63						
	1403-303	Clamp Dwgs (5)-Type A	95	14JUL04	24NOV04	128		3,475.94			Lovett= 13 ; Hargrove= 13						
	1403-304	Chill Plate Dwgs (66)-Type A	95	14JUL04	24NOV04	128		46,256.82			Lovett= 173 ; Hargrove= 173						
	1403-305	Installation Dwgs (1)-Type A	95	14JUL04	24NOV04	128		802.14			Lovett= 3 ; Hargrove= 3						
	1403-306	Cooling Schematic Dwgs (1)-Type A	95	14JUL04	24NOV04	128		802.14			Lovett= 3 ; Hargrove= 3						
	1403-307	Electrical Schematic Dwgs (1)-Type A	95	14JUL04	24NOV04	128		802.14			Lovett= 3 ; Hargrove= 3						
	1403-308	I&C Dwgs (1) -Type A	95	14JUL04	24NOV04	128		802.14			Lovett= 3 ; Hargrove= 3						
	1403-58A	Check and promote models / drawings -Type A	15	04NOV04	24NOV04	128		19,017.45			Cole, Williamson, Lovett, Hargrove, Jones=120						
	1403-71	FDR Rvw Production Type A Mod Coil Winding	0		24NOV04	128		0.00									
	1403-71.05	Update MIT/QA Plans for Type C Winding Fab	20	04MAY05	01JUN05	128		2,817.40			Williamson=20						
	1403-71.1	Fab Readiness Review - Production Type A	0		01JUN05	128		0.00									
	Winding and Assembly Design-Type B																
	1403-400	Winding & Insulation Dwgs (8)-Type B	95	27DEC04	09MAY05	125		5,916.54			Lovett= 21 ; Hargrove= 21						
	1403-401	Leads & crossover Dwgs (10)-Type B	95	27DEC04	09MAY05	125		7,325.24			Lovett= 26 ; Hargrove= 26						
	1403-402	G-10 Filler Dwgs (24)-Type B	95	27DEC04	09MAY05	125		17,749.62			Lovett= 63 ; Hargrove= 63						
	1403-403	Clamp Dwgs (5)-Type B	95	27DEC04	09MAY05	125		3,662.62			Lovett= 13 ; Hargrove= 13						
	1403-404	Chill Plate Dwgs (66)-TypeB	95	27DEC04	09MAY05	125		48,741.02			Lovett= 173 ; Hargrove= 173						
1403-405	Installation Dwgs (1)-Type B	95	27DEC04	09MAY05	125		845.22			Lovett= 3 ; Hargrove= 3							
1403-406	Cooling Schematic Dwgs (1)-Type B	95	27DEC04	09MAY05	125		845.22			Lovett= 3 ; Hargrove= 3							
1403-407	Electrical Schematic Dwgs (1)-Type B	95	27DEC04	09MAY05	125		845.22			Lovett= 3 ; Hargrove= 3							
1403-408	I&C Dwgs (1) -Type B	95	27DEC04	09MAY05	125		845.22			Lovett= 3 ; Hargrove= 3							
1403-58B	Check and promote models / drawings -Type B	15	19APR05	09MAY05	125		19,017.45			Cole, Williamson, Lovett, Hargrove, Jones=120							
1403-72	Final Design Review Production Type B	0		09MAY05	125		0.00										
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	20	13OCT05	09NOV05	125		2,898.20			Williamson=20							
1403-72.1	Fab Readiness Review - Production Type B	0		09NOV05	125		0.00										

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04 FY05 FY06 FY07 FY08 FY09 FY10						
	1404-87	Inspect, repair, heat treat	22*	29MAR04	27APR04	118		119,998.06								
	1404-88	Ship, setup for machining	3*	28APR04	30APR04	118		1,579.76								
	1404-89	Perform machining	37*	03MAY04	23JUN04	118		281,450.26								
	1404-90	Final inspection	3*	24JUN04	28JUN04	118		8,710.00								
	1404-210X	PPPL add'l-forecast increase	1	28JUN04	28JUN04	118		200,000.00								
	1404-91	Ship to PPPL	2	29JUN04	30JUN04	118		3,120.00								
	1404-91.1	JPP-Deliver Prototype MCWF	0		30JUN04	118		0.00								
	1404-92	Flow solid & machine simulation for Production	34*	13MAY04*	30JUN04	118		40,000.00								
	1404-93	Final MIT/QA plan	30	20MAY04	01JUL04	117		8,170.00								
	1404-94	JPP MCWF Fixed price proposal	30	20MAY04	01JUL04	117		12,150.00								
	1404-94.1	JPP MCWF Fixed price proposal	0		01JUL04	117		0.00								
Job: 1405-Mod Coil Winding R&D Prep-CHYZANOWSKI																
FY03 Actual Cost																
	1405-002	Apr-Sep YTD MIE Cost ORNL	64*	01APR03A	30MAY03A			0.00								
	1405-003	Apr-Sep YTD MIE Cost PPPL	64*	01APR03A	30MAY03A			168,070.00								
Job: 1406 - Mod. Coil Winding R&D-CHYZANOWSKI																
FY03 Actual Cost																
	1406-0002	Apr-Sep YTD MIE Cost ORNL	64*	01APR03A	30SEP03A		100	0.00								
	1406-0003	Apr-Sep YTD MIE Cost PPPL	64*	01APR03A	30SEP03A		100	831,120.00								
Oversight & Supervision																
	1406-000	Supervision & Oversight	180*	01OCT03A	22JUN04	1,312	LOE	117,218.40	\$20,000 OT							
	1406-047	Prepare R&D report	17	23JUN04	16JUL04	1,312		0.00								
	1406-048	Testing & Strain Gauge Design	20	01OCT03A	31OCT03A		100	24,253.50								
Keystone R&D																
	1406-001	Purchase 10 spools conductor (twisted racetrack)	40*	03NOV03A	23DEC03A		100	7,644.00								
	1406-003	Purchase 8 spools conductor (long twisted windin	40*	03NOV03A	23DEC03A		100	7,644.00								
	1406-005	Purchase epoxy & Insulation	76*	03NOV03A	27FEB04	213	50	6,370.00								
	1406-010	Keystone Test for New Conductor	31*	02JAN04A	13FEB04	194	80	6,144.00								
	1406-011	Purchase add'l copper Conductor	35	02FEB04	19MAR04	1,385		8,918.00								
	1406-012	Repeat Keystone Test for New Conductor	10	22MAR04	02APR04	1,385		6,144.00								
Twisted Racetrack Design (Williamson)																
	1406-097	Verify Conductor Dims	3	01OCT03A	03OCT03A		100	2,573.80								
	1406-098	Complete Drawings of Casting	21	13OCT03A	26NOV03A		100	15,442.80								
	1406-099	Review/Approve Casting Drawings	10	26NOV03A	26NOV03A		100	15,442.80								
	1406-101	Prepare Clamp & Chill Plate detail Drawings	80	24NOV03A	19MAR04	118	60	20,590.40								
	1406-102	Review/Approve Clamp& Chill Plate Dwgs	10	22MAR04	02APR04	118		15,442.80								
	1406-103	Twisted Racetrack FDR	0		02APR04	118		0.00								

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04 FY05 FY06 FY07 FY08 FY09 FY10											
	1406-103.1	Twisted Racetrack Fab Readiness Review	0		16APR04	118		0.00													
	1406-104	Prepare Draft of Coil Test Plan	99*	01OCT03A	27FEB04	1,410	30	5,147.60													
	1406-105	Prepare ANSYS thermal analysis model	3	31OCT03A	31OCT03A		100	2,573.80													
	1406-106	Analyze Thermal Behavior due to pulse	3	31OCT03A	31OCT03A		100	2,573.80													
	1406-107	Calculate EM Loads due to max current	3	03NOV03A	26NOV03A		100	5,147.60													
	1406-108	Prep MECHANICA Struct Analysis Model	3	03NOV03A	26NOV03A		100	5,147.60													
	1406-109	Analyze Stress/deflection due to cooldown,pulse	5	03NOV03A	26NOV03A		100	5,147.60													
	1406-110	Finalize, Approve coil test plan	58*	01DEC03A	27FEB04	231	30	10,295.20													
Twisted Racetrack Fabrication & Winding (Chrzano																					
	1406-014	Bid, Evaluate and Award Casting to EIO or JPP	28	01DEC03A	23DEC03A		100	0.00													
	1406-016	Procure casting from EIO (new scope)	43*	02FEB04	31MAR04	140		127,387.26													
	1406-016.1	Inspect & Measure Casting	10	01APR04	14APR04	140		0.00													
	1406-016.5	PPPL Fabricate chill plates and clamps	30	05APR04	14MAY04	118		22,992.00													
	1406-017	Wind twisted racetrack	20	17MAY04	14JUN04	118		24,576.00													
	1406-018	Mold & VPI twisted racetrack	18	14JUL04	06AUG04	118		18,432.00													
	1406-019	Setup twisted racetrack coil in test stand	2	09AUG04	10AUG04	118		10,224.80													
	1406-020	Begin Testing of Twisted RT in Coil test Stand	0	11AUG04		118		0.00													
	1406-021	Perform tests	5	11AUG04	17AUG04	118		30,853.60													
	1406-023	Section and Evaluate coil turns	5	18AUG04	24AUG04	118		0.00													
Conductor Property Testing																					
	1406-029	Fab New Specimen Molds	60*	01DEC03A	25FEB04	161	35	22,992.00													
	1406-030	Fab & Pot samples	30*	26JAN04A	05MAR04	154	15	36,864.00													
	1406-031	Prep fixtures and test equipt	67*	03NOV03A	16FEB04	147	50	69,234.00													
	1406-032	Test samples	31	17FEB04*	30MAR04	147		64,032.00													
	1406-033	Prepare Test report	15	17MAR04*	06APR04	147		12,856.00													
	1406-034	Mod Coil Conductor/Insulation FDR	0		13APR04*	142		0.00													
"inchworm" Twisted Winding																					
	1406-119	Join straight sections w/2 end loops	79*	01OCT03A	30JAN04A		100	31,590.00													
	1406-120	Wind Conductor	19*	30JAN04A	25FEB04	1,412		18,432.00													
	1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	0	30JAN04A				0.00													
Job: 1407 -Mod Coil Winding Facility-CHRZANOWSKI																					
FY03 Actual Cost																					
	1407-001	Apr-Sep YTD MIE Cost PPPL	64*	01APR03A	30SEP03A		100	267,550.00													

Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
Oversight and Supervision															
1407-002	Winding Facility, Tooling, Materials Oversight	186*	01OCT03A	30JUN04	1,323	LOE	193,390.20								
1407-003	Winding Facility, Tooling, Design	250*	01OCT03A	30SEP04	1,259	LOE	136,128.80	\$20,000 OT							
Autoclave, Turning Fixture & other components															
1407-005	Domes & cylinder Fab & Deliver (PE4226)	18	01DEC03A	23DEC03A		100	20,167.42								
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	18	31OCT03A	31OCT03A		100	509.60								
1407-008	Remaining Autoclave components-Deliver	49	01OCT03A	09MAR04	182	90	11,466.00								
1407-011	Fabricate Autoclave	128*	01OCT03A	08APR04	160	60	163,036.80								
1407-012	Autoclave PTP	5	09APR04	15APR04	160		9,216.00								
1407-013	Autoclave PTP Complete	0		15APR04	179		0.00								
1407-100	Fabricate turning fixtures and coil supports	145*	01DEC03A	30JUN04	162	30	305,500.00								
1407-100.2	Fabr turning fixt&coil supports **2nd line**	64	01JUL04	30SEP04	211		179,400.00								
1407-098	Final DwgS for winding clamps	58*	01DEC03A	27FEB04	162	30	0.00								
1407-099	Bid,Evaluate & Award Winding Clamps??????	16	01MAR04*	22MAR04	162		0.00								
1407-110	Fabricate Winding clamp sets (100)	71*	23MAR04*	30JUN04	162		80,976.00								
1407-110.2	Fabr Winding clamp sets (100)**2nd line**	64	01OCT04*	11JAN05	147		40,027.50								
1407-115	Fabricate Conductor payout spool system	107*	02FEB04*	30JUN04	162		94,258.40								
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	64	01JUL04*	30SEP04	211		66,297.20								
1407-125	Fabricate VPI tanks & equipt/components	87*	01MAR04*	30JUN04	162		63,898.00								
1407-130	Misc tools & equipt	87*	01MAR04*	30JUN04	162		50,960.00								
1407-135	Fabricate Coil support structure (2)	87*	01MAR04*	30JUN04	162		40,388.00								
Area Preparation															
1407-200	Decon TFTR test Cell Crane	20	26NOV03A	26NOV03A		N/R	18,432.00								
1407-202	Setup facility stations	55*	16APR04*	02JUL04	160		116,647.20								
1407-204	Build cleanrooms (2) locations	96	16FEB04*	29JUN04	211		108,650.00								
1407-204.2	Build cleanroom (1 add'l) **2nd line**	65*	30JUN04	30SEP04	211		54,325.00								
Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI															
FY03 Actual Cost															
1408-001	Apr-Sep YTD MIE Cost PPPL	64	01APR03A	30SEP03A		100	29,790.00								
Epoxy															
1408-111	Epoxy -Spec & Requisition	10	14APR04	27APR04	162		0.00								
1408-113	Epoxy -Bid & Award	30	28APR04	09JUN04	162		0.00								
1408-115	Epoxy -Delivery for Prototype	20	10JUN04	08JUL04	162		6,370.00								
1408-117	Epoxy -1st Delivery for Production	20	21DEC04	19JAN05	122		19,380.00								
1408-119	Epoxy -2nd Delivery for Production	20	21FEB05	18MAR05	125		19,380.00								
1408-121	Epoxy -3rd Delivery for Production	20	16MAY05	13JUN05	124		19,380.00								
1408-123	Epoxy -4th Delivery for Production	20	04AUG05	31AUG05	124		19,380.00								

Run Date 28APR04 08:20



ECP6

NCSX
ECP6
(\$630k plan)

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	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmplt	Baseline Budget	ETC Increase		FY04	FY05	FY06	FY07	FY08	FY09	FY10	
	1408-125	Epoxy -5th Delivery for Production	20	25OCT05	21NOV05	125		19,575.00					M&S= \$ 15 k					
	1408-127	Epoxy -6th Delivery for Production	20	20JAN06	16FEB06	118		19,575.00					M&S= \$ 15 k					
	Insulation for conductor																	
	1408-101	Insulation-Spec & Requisition	5	14APR04	20APR04	142		0.00										
	1408-103	Insulation-Bid & Award	30	21APR04	02JUN04	142		0.00										
	1408-105	Insulation-Delivery for Prototype	30	03JUN04	15JUL04	142		3,822.00				M&S= \$3 k						
	1408-107	Insulation-Delivery for Production	65	16JUL04	15OCT04	166		83,980.00				M&S= \$ 65 k						
	Copper Conductor																	
	1408-141	Copper Conductor -Spec & Requisition	10	14APR04	27APR04	147		0.00										
	1408-143	Copper Conductor -Bid & Award	30	28APR04	09JUN04	147		0.00										
	1408-143.1	Mod Coil Copper Conductor Awarded	0		09JUN04	147		0.00										
	1408-145	Copper Conductor -Delivery for Prototype	35	17JUN04	05AUG04	142		15,288.00				M&S= \$ 12 k						
	1408-147	Copper Conductor -Delivery for Production	50	05NOV04	19JAN05	122		301,036.00				M&S= \$ 240 k less \$7k in 1406						
	Chill Plates and Clamps																	
	1408-131	Chill plates & clamps -Spec & Requisition	10	26APR04	07MAY04	144		0.00										
	1408-133	Chill plates & clamps -Bid & Award	20	12MAY04	09JUN04	142		0.00										
	1408-135	Chill plates & clamps -Deliver Prototype (type C	40	10JUN04	05AUG04	142		15,288.00				M&S= \$ 12 k						
	1408-137	Chill plates & clamps Production Type C	100	26AUG04	19JAN05	122		92,700.00				M&S= \$ 72 k						
	1408-138	Chill plates & clamps Production Type A	100	09FEB05	29JUN05	128		93,024.00				M&S= \$ 72 k						
	1408-139	Chill plates & clamps Production Type B	100	21JUL05	09DEC05	125		93,473.28				M&S= \$ 72 k						
	G-11 Filler																	
	1408-151	G-11 Filler Fabrication - Prototype (type c)	65	05MAY04	05AUG04	142		35,547.20				M&S= \$ 1 k + \$15k machinist=144						
	1408-153	G-11 Filler Fabrication - Production Type C	75	01OCT04	19JAN05	122		108,300.00				Machinist=1000						
	1408-154	G-11 Filler Fabrication - Production Type A	150	29NOV04	29JUN05	128		108,300.00				Machinist=1000						
	1408-155	G-11 Filler Fabrication - Production Type B	150	10MAY05	09DEC05	125		108,876.00				Machinist=1000						
	Lead hardware																	
	1408-161	Lead hardware Fabrication - Prototype (type c)	65	05MAY04	05AUG04	142		32,630.00				M&S= \$ 1 k+\$18 Machinist=80						
	1408-163	Lead hardware Fabrication - Production Type C	80	22OCT04	16FEB05	122		51,984.00				Machinist=480						
	1408-164	Lead hardware Fabrication - Production Type A	80	09MAR05	29JUN05	128		51,984.00				Machinist=480						
	1408-165	Lead hardware Fabrication - Production Type B	80	18AUG05	09DEC05	125		52,502.40				Machinist=480						
	Other																	
	1408-171	Misc supplies/mat's for Prototype	50	26MAY04	05AUG04	142		5,096.00				M&S= \$4 k						
	1408-173	Misc supplies/mat's for Production Windings	50	01OCT04*	13DEC04	147		32,300.00				M&S= \$ 25 k						
	1408-181	VPI Supplies for Prototype(mold epoxy,& hardware	50	26MAY04	05AUG04	142		10,213.60				M&S= \$4.4 k em//tb=60						
	1408-183	VPI Supplies -Epoxy & tape for Production 40%	50	20JUL04*	28SEP04	199		17,836.00				M&S= \$ 14 k						
	1408-184	VPI Supplies -Epoxy & tape for Production 60%	50	01OCT04*	13DEC04	1,233		28,424.00				M&S= \$ 22 k						

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10					
	1408-185	VPI Supplies -Valves & Tubing 40%	50	20JUL04*	28SEP04	199		20,384.00			M&S= \$ 16 k										
	1408-186	VPI Supplies -Valves & Tubing 60%	50	01OCT04*	13DEC04	1,233		31,008.00			M&S= \$ 24 k										
Job: 1409 - Mod. Coil Test Stand-GETTELFINGER																					
Test Stand																					
	1409-000	FY04 Oct-Mar	66*	20OCT03A	31MAR04A		100	215,830.82			mech dsn =552 gettelfinger=167										
	1409-026	Install Electrical	94*	01JAN04A	31MAR04A		42	0.00													
	1409-030	Generate I2T Reqmnts	16	23FEB04A	15MAR04A		100	0.00													
	1409-036	Define N2 Election Scheme	2	23FEB04A	24FEB04A		100	0.00													
	1409-038	Plan/Procure N2 Ejection Scheme	14	25FEB04A	15MAR04A		100	0.00													
	1409-029	Oversight/Supervision	86*	01APR04	02AUG04	122	LOE	35,016.70			gernhardt=28;Mcbride=80; Gettelfinger=145										
	1409-025	Complete Design **ECP-6**\$ incr*	22*	01APR04*	30APR04	151		26,931.20			Vankirk=256										
	1409-032	Design I2T Protection **ECP-6**\$ incr*	22*	01APR04*	30APR04	154		6,028.00			marsala=40										
	1409-034	Fabricate I2T Cards **ECP-6**\$ incr*	15	03MAY04*	21MAY04	154		15,795.00			electrical techs=120 gibney=30										
	1409-040	Install N2 Ejection Scheme **ECP-6**\$ incr*	14	27MAY04*	16JUN04	137		12,740.00			41=\$10										
	1409-027	Cryo Line Installation	10	13MAY04*	26MAY04	151		28,053.00			em/tb=120; Delany=70; 41=\$ 9 k										
	1409-110	ES&H Peer Review	1	05APR04*	05APR04	188		0.00													
	1409-100	Design Controls Modifications **ECP-6*new scope*	20	08APR04*	05MAY04	153		46,696.80			Gettelfinger=60; Marsala=180; Gernhardt=92										
	1409-120	Install Control Modifications **ECP-6*new scope*	13	06MAY04	24MAY04	153		12,288.00			em/tb=160										
	1409-125	Controls Peer Review **ECP-6*new scope*	1	12MAY04*	12MAY04	160		0.00													
	1409-044	Final Design &Oper Preparedness Rvw **ECP-6*new*	1	24MAY04*	24MAY04	153		0.00													
	1409-028	System Testing **ECP-6**\$ incr*	10	17JUN04	30JUN04	137		17,912.00			gettelfinger=80;em/tb=65										
	1409-046	Facility (simply cooled) Available**ECP-6**\$ inc	0		30JUN04	137		0.00													
	1409-140	Design Closed Loop LN2 System **ECP-6*new scope*	27	07APR04*	13MAY04	122		0.00													
	1409-130	Cryostat (specimen shroud) dsn **ECP-6*new scope	10	30APR04	13MAY04	122		6,460.00			Gettelfinger =40										
	1409-145	Peer rww closed loop LN2 syst **ECP-6*new scope	1	14MAY04	14MAY04	122		0.00													
	1409-150	Proc Mat'l's/pump f/closed LN2 **ECP-6*new scope	47	17MAY04	22JUL04	122		19,110.00			41=\$15										
	1409-155	Fab/Instl Closed Loop LN2 sys **ECP-6*new scope	15	01JUL04	22JUL04	122		12,636.00			delaney=120										
	1409-135	Cryostat (specimen shroud) Fabr**ECP-6*new scope	15	01JUL04	22JUL04	122		21,956.00			41=\$10k; em/tb=120										
	1409-160	Test Closed Loop Cooling**ECP-6*new scope	7	23JUL04	02AUG04	122		3,072.00			Herskowitz=40										
	1409-165	Closed Loop Facility Available**ECP-6*new scope	0		02AUG04	122		0.00													
Job: 1410 Mod Coil Prototype Winding-CHYZANOWSKI																					
Prototype Winding																					
	141-3-44	Oversight and materials/supplies	186	29MAR04	20DEC04	137		131,483.38			Chrzanowski= 472; Meighan =518										
	141-3-44.9	Begin Winding on Prototype MCWF	0	06AUG04*		137		0.00													
	141-3-45	Wind & VPI prototype coil (stations 1 thru 5)	87	06AUG04*	09DEC04	137		184,736.66			FOM TECHS TB=2368hr ;										
	141-3-46	Test prototype coil (station 6)	7	10DEC04	20DEC04	137		28,850.00			em/tb=176;ee/tb=72;ee/sm=20 ee/em=16; em/em=28										
	141-3-45.1	Complete Prototype Winding (SOW 4.9)	0		20DEC04*	137		0.00													
Run Date 28APR04 08:20										current schedule Progress Bar Critical Activity			ECP6			NCSX ECP6 (\$630k plan)			Sheet 16 of 44		
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	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmplt	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10	
	Period 1																
	P1-001	Prep casting C-1-1 (station 1)	12	04JAN05	19JAN05	122		0.00									
	P1-011	Wind coil C-1-1 (station 2)	38	20JAN05*	14MAR05	122		0.00									
	P1-021	VPI,Test &Ship C-1-1 (1st MCC fabr) (sta 4/5/6)	34	15MAR05	29APR05	167		0.00									
	P1-021.1	Complete First Mod Coil Fabrication	0		29APR05	1,117		0.00									
	P1-091	Prep casting C-4-1 (station 1)	12	24JAN05	08FEB05	127		0.00									
	P1-101	Wind coil C-4-1 (station 3)	37	16FEB05*	07APR05	122		0.00									
	P1-111	VPI, Test & Ship C-4-1 (station 4/5/6)	34	08APR05	25MAY05	164		0.00									
	Period 2																
	P2-001	Receive casting C7-2	12	21FEB05	08MAR05	129		0.00									
	P2-011	Wind coil BA-7-2 (station 2)	37	15MAR05	04MAY05	125		0.00									
	P2-021	VPI,Test & Ship C-7-2 (station 4/5/6)	34	05MAY05	22JUN05	160		0.00									
	P2-091	Receive casting C-10-2	12	21MAR05	05APR05	124		0.00									
	P2-101	Wind coil C-10-2 (station 3)	37	08APR05	31MAY05	122		0.00									
	P2-111	VPI,Test & Ship C-10-2 (station 4/5/6)	34	01JUN05	19JUL05	157		0.00									
	Period 3																
	P3-001	Receive casting C-13-3	12	18APR05	03MAY05	126		0.00									
	P3-011	Wind coil C-13-3 (station 2)	37	05MAY05	27JUN05	125		0.00									
	P3-021	VPI,test & ship C-13-3 (station 4/5/6)	34	28JUN05	15AUG05	153		0.00									
	P3-091	Receive casting C-16-3	12	16MAY05	01JUN05	121		0.00									
	P3-101	Wind coil C-16-3 (station 3)	37	02JUN05	25JUL05	121		0.00									
	P3-111	VPI,test & ship C-16-3 (station 4/5/6)	34	26JUL05	12SEP05	149		0.00									
	Job: 1422 - Type A Winding/VPI																
	Period 1																
	P1-031	Receive casting A-2-1	12	14JUN05	29JUN05	123		0.00									
	P1-041	Wind coil A-2-1 (station 2)	37	30JUN05	22AUG05	123		0.00									
	P1-051	VPI, Test & Ship A-2-1 (station 4/5/6)	34	23AUG05	10OCT05	144		0.00									
P1-121	Receive casting A-5-1	12	11JUL05	26JUL05	120		0.00										
P1-131	Wind coil A-5-1 (station 3)	37	27JUL05	16SEP05	120		0.00										
P1-141	VPI,Test & Ship A-5-1 (station 4/5/6)	34	19SEP05	03NOV05	141		0.00										
Period 2																	
P2-031	Receive casting A-8-2	12	05AUG05	22AUG05	123		0.00										
P2-041	Wind coil A-8-2 (station 2)	37	23AUG05	13OCT05	123		0.00										
P2-051	VPI,Test & Ship A-8-2 (station 4/5/6)	34	14OCT05	02DEC05	137		0.00										
P2-121	Receive casting A-11-2	12	01SEP05	19SEP05	119		0.00										
P2-131	Wind coil A-11-2 (station 3)	37	20SEP05	09NOV05	119		0.00										
P2-141	VPI, test & Ship A-11-2 (station 4/5/6)	34	10NOV05	06JAN06	133		0.00										

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmplt	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
Job: 1423 - Type B Winding/VPI	Period 3															
	P3-031	Receive casting A-14-3	12	29SEP05	14OCT05	122		0.00								
	P3-041	Wind coil A-14-3 (station 2)	37	17OCT05	08DEC05	122		0.00								
	P3-051	VPI,Test & ship A-14-3 (station 4/5/6)	34	09DEC05	02FEB06	129		0.00								
	P3-121	Receive casting A-17-3	12	26OCT05	10NOV05	118		0.00								
	P3-131	Wind coil A-17-3 (station 3)	37	11NOV05	12JAN06	118		0.00								
	P3-141	VPI,Test & ship A-17-3 (station 4/5/6)	34	13JAN06	01MAR06	125		0.00								
	Period 1															
	P1-061	Receive casting B-3-1	12	22NOV05	09DEC05	121		0.00								
	P1-071	Wind coil B-3-1 (station 2)	37	12DEC05	08FEB06	121		0.00								
	P1-081	VPI,Test & Ship B-3-1 (station 4/5/6)	34	09FEB06	28MAR06	121		0.00								
	P1-151	Receive casting B-6-1	12	21DEC05	13JAN06	117		0.00								
	P1-161	Wind coil B-6-1 (station 3)	37	16JAN06	07MAR06	117		0.00								
P1-171	VPI,Test & Ship B-6-1 (station 4/5/6)	34	08MAR06	24APR06	117		0.00									
Job: 1431 - Modular Coil Local I&C	Period 2															
	P2-061	Receive casting B-9-2	12	25JAN06	09FEB06	120		0.00								
	P2-071	Wind coil B-9-2 (station 2)	37	10FEB06	03APR06	120		0.00								
	P2-081	VPI,Test & Ship B-9-2 (station 4/5/6)	34	04APR06	19MAY06	120		0.00								
	P2-151	Receive casting B-12-2	12	17FEB06	06MAR06	118		0.00								
	P2-161	Wind coil B-12-2 (station 3)	37	08MAR06	27APR06	117		0.00								
	P2-171	VPI,Test & Ship B-12-2 (station 4/5/6)	34	28APR06	15JUN06	117		0.00								
	Period 3															
	P3-061	Receive casting B-15-3	12	16MAR06	31MAR06	121		0.00								
	P3-071	Wind coil B-15-3 (station 2)	37	04APR06	24MAY06	120		0.00								
	P3-081	VPI,Test & ship B-15-3 (station 4/5/6)	34	25MAY06	13JUL06	120		0.00								
	P3-151	Receive casting B-18-3	12	12APR06	27APR06	117		0.00								
	P3-161	Wind coil B-18-3 (station 3)	37	28APR06	20JUN06	117		0.00								
P3-171	Apply Mold, VPI ,Test & ship B-18-3 (last mcc)	34	21JUN06	08AUG06	117		0.00									
Job: 1431 - Modular Coil Local I&C																
	174-001	Title I design WBS 143 Mod coil local I&C	30	03OCT05*	11NOV05	316		14,027.29								
	174-011	Title II design WBS 143 Mod coil local I&C	30	14NOV05	04JAN06	316		14,027.29								
	174-035	Modular Coil local I&C -Procurement	60	05JAN06	29MAR06	321		17,395.65								
	174-036	Modular Coil local I&C -Title III	80	05JAN06	26APR06	884		5,529.26								
	174-037	Modular Coil local I&C -Install	20	15JAN07*	09FEB07	120		70,223.20								

Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
15 - Structures															
Job: 1501 - Structures Design- Heitzenroeder															
PDR/PBR Task List															
1501-105	Project PDR	1	07OCT03A	07OCT03A		100	0.00								
1501-109	Prepare FY 04 WP/WAF	20	31OCT03A	31OCT03A		100	12,856.00								
1501-113	Prepare PBR documentation	10	04NOV03A	18NOV03A		100	6,428.00								
1501-117	Performance baseline review	0		18NOV03A		100	0.00								
Reqmnts,Configuration, Interfaces and PDR															
1501-121	Rqmnts,Config,Interfaces, PDR (summary task)	178*	21OCT03A	30JUN04	194	LOE	0.00								
1501-125	Update drawings & models based on vendor recomm	30	21OCT03A	26NOV03A		100	28,765.30								
1501-129	Develop a SRD design to spec	49*	02FEB04	08APR04	242		6,267.30								
1501-133	Prepare a "scope sheet" which defines all interf	124*	03NOV03A	27APR04	239	90	6,267.30								
1501-137	Prepare assembly & interface drawings for ICDs	30	21APR04	02JUN04	194		28,765.30								
1501-141	Finalize and approve all ICDs	20	03JUN04	30JUN04	194		6,267.30								
1501-145	Prepare assembly drawings for structure / coils	30	05MAY04	16JUN04	194		28,765.30								
1501-149	Update design basis document; address size and w	10	17JUN04	30JUN04	194		6,267.30								
1501-157	Perform RAM & ES&H analyses document in design b	19	04JUN04	30JUN04	194		6,267.30								
1501-161	Update cost and schedule	10	17JUN04	30JUN04	194		6,267.30								
1501-162	PDR Preparation	15	10JUN04	30JUN04	194		6,267.30								
1501-165	Perform Coil Support Structure PDR	0		30JUN04*	194		0.00								
Preliminary Design Analyses															
1501-169	Design Analyses (summary task)	36*	11MAY04	30JUN04	194		0.00								
1501-173	Update ANSYS model of coils & structure	21	11MAY04	09JUN04	194		10,548.20								
1501-177	Perform structural stress analyses	21	11MAY04	09JUN04	194		10,548.20								
1501-181	Perform structural deflection analyses	21	11MAY04	09JUN04	194		10,548.20								
1501-185	Check EM loads for reference scenarios	21	02JUN04	30JUN04	194		10,548.20								
1501-189	Perform EM combined loads & fault conditions	21	02JUN04	30JUN04	194		10,869.60								
1501-221	Prepare Failure Modes Assessment (FMECA)	31	18MAY04	30JUN04	194		4,499.60								
Structures Final Design															
1501-205	Structures FDR (summary task)	144*	01JUL04	26JAN05	194		0.00								
1501-197	Update analyses based on PDR recommendations	30	01JUL04	12AUG04	194		6,106.60								
1501-201	Independent check of EM/ ANSYS analyses	30	13AUG04	24SEP04	194		6,106.60								
1501-209	Prepare final drawings	42	01JUL04*	30AUG04	212		18,962.60								
1501-213	Check & promote models / drawings	22	27SEP04	26OCT04	194		12,821.78								
1501-217	Update build to spec / sow	20	27OCT04	23NOV04	194		6,277.60								
1501-225	Update design basis document	20	24NOV04	23DEC04	194		6,277.60								
1501-229	Update cost & schedule estimates	32	10DEC04	26JAN05	194		6,277.60								

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase										
										FY04	FY05	FY06	FY07	FY08	FY09	FY10			
	1501-233	Prepare FDR documentation / presentations	32	10DEC04	26JAN05	194		6,442.80											
	1501-237	Prepare ECP for FDR	32	10DEC04	26JAN05	194		6,442.80											
	1501-241	FDR Coil Support Structure	0		26JAN05	194		0.00											
Job: 1520-Structures Procure,Fab,Title III																			
	1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	65	05MAY05	05AUG05	124		0.00											
	162-036.9	Award Coil Support Assy	0		05AUG05*	119		0.00											
	162-037	WBS 151Coil Support Assy Procurement [A/1]	249	08AUG05	04AUG06	119		987,052.92											
	162-031	Title III engr WBS 151	249	08AUG05	04AUG06	800		153,504.56											
	153.037	WBS 153 Support Structure I&C Procurement/Fab	249	03OCT05*	29SEP06	232		8,464.20											
	153.015	Title III design WBS 153 localI&C	249*	03OCT05*	29SEP06	761		4,648.46											
16 - Coil Services																			
161 - LN2 Distribution																			
	191-001	Title I design WBS 161 LN2 manifolds&pipng	65	01DEC05*	09MAR06	127		49,812.41											
	191-011	Title II design WBS 161 LN2 manifolds&pipng	60	10MAR06	02JUN06	127		99,769.73											
	191-031	Title III engr WBS 161	280	05JUN06*	17JUL07	564		14,468.81											
	191-037	Procurement WBS 161	130	05JUN06*	07DEC06	127		69,999.49											
	191-038	PDR#17	130	08DEC06*	18JUN07	584		59,974.72											
	191-041	LN2 Manifolds & ppg Fab/assy WBS 161	65	08DEC06*	16MAR07	127		32,986.60											
	191-042	PDR #17,25,3	65	08DEC06*	16MAR07	649		10,512.80											
162 - Electrical Leads																			
	132-000	PDR #17 & 25	325	30NOV05*	22MAR07	645		40,162.88											
	132-001	Title I design WBS 162 Coil leads	130	01DEC05*	09JUN06	127		129,613.39											
	132-011	Title II design WBS 162 Coil leads	130	12JUN06	14DEC06	127		133,039.37											
	132-015	Title III design WBS 162 Coil leads	60	15DEC06*	16MAR07	649		16,105.48											
	132-037	Coil Leads Procurement WBS 162	60	15DEC06*	16MAR07	127		302,334.24											
163 - Coil Protection System																			
	163.001	Title I design WBS 163 Coil protection	65	03OCT05*	11JAN06	905		39,029.02											
	163.011	Title II design WBS 163 Coil protection	40	12JAN06	08MAR06	905		39,029.02											
17 - Cryostat and Base Support Structure																			
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER																			
FY03 Actual Cost																			
	1701-001	Apr-Sept MIE Costs PPPL	54	01APR03A	30SEP03A		100	12,180.00											
	151-001	Title I design WBS 171 cryostat shell & struct	100	03MAY04*	22SEP04	171		110,056.40											
	151-002	Cryostat & Base Support Struct PDR	0		22SEP04	171		0.00											
	161-001	Title I design WBS 172 base support struct	100	03MAY04*	22SEP04	171		50,507.00											

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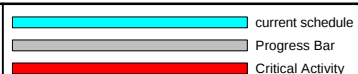
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Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
171 - Cryostat															
151-011	Title II design WBS 171 cryostat shell & struct	243*	01OCT04*	22SEP05	171		226,216.90				Gettelfinger =976hr ; ea/dm =593hr ;				
151-012	WBS 17 FDR	0		22SEP05	171		0.00								
151-031	Title III engr	318	15DEC05	28MAR07	641		30,815.05				Gettelfinger =34hr ; ea/dm=220				
151-036.8	Prep Spec, Solicit bids, and Select Vendor	65	15DEC05*	23MAR06	124		0.00								
151-036.9	Award Cryostat Procurement	0		23MAR06	124		0.00								
151-037	Cryostat Procurement [A/1]	249	24MAR06	22MAR07	124		479,215.43				41=358.47\$ k ; 35=02\$ k ;				
172 - Base Support Structure															
161-011	Title II design WBS 172 base support struct	249	23SEP04	22SEP05	171		54,706.46				EA/DM =170hr ; EA/EM =202hr ; ornlem=20				
161-031	Title III engr WBS 172	150	01DEC05	10JUL06	819		46,651.32				Gettelfinger =60hr ; ORNLEM =252hr ;				
161-036.8	Prep Spec, Solicit bids, and Select Vendor	65	01DEC05*	09MAR06	124		0.00								
161-036.9	Award Machine Base&supports Procurement	0		09MAR06	124		0.00								
161-037	Machine Base&supports Procurement [A/1]	90	10MAR06	17JUL06	124		286,302.65				41=238\$ k ; 35=02\$ k ;				
18 - Field Period Assembly															
Job: 1801-Field Period Assly -CHYZANOWSKI (ORNL)															
FY03 Actual Cost															
1801-001	Apr-Sept MIE Costs PPPL	42	01APR03A	30SEP03A		100	7,750.00								
1801-002	Apr-Sept MIE Costs ORNL	42	01APR03A	30SEP03A		100	53,050.00								
Job: 1802 - FP Assy Oversight&Support-VIOLA															
Oversight and Supervision															
181.100	PPPL EM LOE FY04	242*	13OCT03A	30SEP04	1,259	LOE	77,947.50				Viola =397; Travel=\$8k				
181.200	HP Coverage in the TFTR TC LOE FY04	171*	02FEB04*	30SEP04	1,259		115,320.00				Health Physics Techs=1200				
181.201	D-Site Shift Supervisor LOE FY04	171*	02FEB04*	30SEP04	1,259		25,920.40				ee/em (shift supervisor)=172				
181.110	PPPL EM LOE FY05	249*	01OCT04*	30SEP05	1,010		146,784.00				Viola=800; travel=\$8k				
181.210	HP Coverage in the TFTR TC LOE FY05	249*	01OCT04*	30SEP05	1,010		128,440.00				sh/tb=1300				
181.310	ORNL EM LOE FY05	249*	01OCT04*	30SEP05	1,010		119,316.89				COLE=847				
181.120	PPPL EM LOE FY06	250*	03OCT05*	02OCT06	760		451,299.93				Viola=2589 travel =\$8k				
181.220	HP Coverage in the TFTR TC LOE FY06	250*	03OCT05*	02OCT06	760		130,690.04				sh/tb=1300				
181.320	ORNL EM LOE FY06	250*	03OCT05*	02OCT06	760		122,771.80				COLE=847				
Job: 1803- FP Assy Tooling/Constructability-COLE															
Tooling Design & Fabrication															
713A.010	Design Tooling	171*	02FEB04	30SEP04	268	LOE	324,951.05				Cole=1052; ORNL Design=1312; ORNLRM=120				
713A.010A	FP Assy Tooling Reqmts&Constructability Peer Rvw	0		30MAR04*	1,388		0.00								
713.010B	Tooling & Constructability FDR	0		30SEP04	268		0.00								
713A.032	Fabricate-TF Coil sub-assy frame/manipulator	195	18MAR05*	22DEC05	210		10,366.40				41=\$ 8 k				
713A.030	Fabricate-VV supporting fixture (3)	195	20APR05*	01FEB06	134		97,300.00				41=\$ 75 k				
713A.031	Fabricate-Modular Coil sub-assy frame/manip/fixt	195	17JUN05*	30MAR06	121		209,310.73				41=\$ 161 k				

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	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase		FY04	FY05	FY06	FY07	FY08	FY09	FY10	
	713A.033	Fabricate-Full FP support fixture (3)	195	07JUL05*	18APR06	123		9,757.00					 41=\$7.5 k					
	713A.034	Fabricate-VV port welding fixtures	195	29JUL05*	10MAY06	175		13,020.00					 41=\$ 10 k					
	713A.040	General procurements	498*	01OCT04*	29SEP06	761		25,970.00					 41=\$20k					
	713A.050	Welding tools, materials & equipt	498*	01OCT04*	29SEP06	761		58,432.50					 41=\$45k					
	713A.020	Lab Fab/Assy/Installation	403*	25FEB05*	02OCT06	760		349,167.95					 Raftopolous=126;em/sm=494 em/tb=1344;COLE=1042;Tarvel=\$ 10 k					
	713A.060	Instl He gas piping from NSTX to D-site tc	85	03OCT05*	08FEB06	925		0.00	\$46,504				 ETC=+ Kalish=40; em/sm=40; em/tb=240 ETC=+ ea/dm=80; 41=\$ 5.6 k					
Tooling R&D																		
	713A.011	Tooling R&D-Design VV/MCWF Mockups inc pdr#20	84*	01DEC03A	05APR04	1,229	10	38,735.69			 Cole=2301							
	713A.012	Tooling R&D-Procure VV & MCWF Mockups [A/9]	105	06APR04	01SEP04	1,229		157,976.00			 41=\$124.0k							
	713A.013	Tooling R&D-Inspection & assy trails	50	15NOV04	03FEB05	1,178		47,501.60				 em/sm=72;em/tb=168 Raftopolous=160						
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS																		
Metrology																		
	740.010	Final Design Measurement systems	181*	19JAN04A	30SEP04	1,259		69,422.40			 Raftopolous= 432							
	740.011	3-D Scanner/Faro Arm FDR	0		30JAN04A			0.00										
	740.015	Prepare Requisition 3-D scanner & Romer Arm	10	30JAN04A	30JAN04A			0.00										
	740.030	Deliver 3-D Scanner & Romer Arm	1	30MAR04*	30MAR04	227		171,990.00			 41=\$ 135 k							
	740.031	Metrology Software Review	0		30JAN04A			0.00										
	740.032	Prepare Met Software Requisition	10	30JAN04A	30JAN04A			0.00										
	740.035	Deliver Metrology Software	53	31MAR04*	14JUN04	1,335		57,266.30			 41=\$ 44.95 k R400938							
	740.041	FP Assy Laser based GPS Sys Review	0		02AUG04*	1,178		0.00										
	740.042	Prepare GPS Sys Requisition	10	03AUG04	16AUG04	1,178		0.00										
	740.043	Bid,Evaluate & Award GPS sys	33	17AUG04	01OCT04	1,178		0.00										
	740.044	Deliver GPS sys	30	04OCT04	12NOV04	1,178		129,200.00										
	740.020	Faculity Prep	95	03OCT05*	22FEB06	162		60,384.40					 \$100k laser based gps sys					
													 em/sm=168;em/tb=392 travel=\$ 6 k					
	740.045	Purchase- second Faro Arm (was under WBS 14)	102	01OCT04*	04MAR05	1,157		71,060.00			 41=\$ \$5 k							
	740.050	Purchase- targets [A/9]	130	01JUL05*	12JAN06	944		32,300.00				 41=\$ 25 k						
1808 - TF/Mod Coil Sub-Assembly																		
Modular Coil Sub-assembly																		
	184-200	Mount/align right mod coil in fixture-Period #1	15	31MAR06	20APR06	121		47,404.80					 em/sm=120;em/sm machinist=48;em/tb=360					
	184-205	Mount/align left mod coil in fixture-Period #1	12	25APR06	10MAY06	117		38,980.80					 em/sm=96;em/sm machinist=48;em/tb=288					
	184-210	Mount/align right mod coil in fixture-Period #2	12	22MAY06	07JUN06	125		38,980.80					 em/sm=96;em/sm machinist=48;em/tb=288					
	184-215	Mount/align left mod coil in fixture-Period #2	12	16JUN06	03JUL06	117		38,980.80					 em/sm=96;em/sm machinist=48;em/tb=288					
	184-220	Mount/align right mod coil in fixture-Period #3	12	14JUL06	31JUL06	125		38,980.80					 em/sm=96;em/sm machinist=48;em/tb=288					
	184-225	Mount/align left mod coil in fixture-Period #3	12	09AUG06	24AUG06	117		38,980.80					 em/sm=96;em/sm machinist=48;em/tb=288					
	P1-000	PDR # 19 MCWF fitup	94	21APR06	01SEP06	780		16,428.30					 em/sm=42, em/tb=147					

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10	
	TF Coil Sub-assembly																
	722.010	Receive/Inspect TF & PF Coils	249*	03OCT05*	29SEP06	761		77,365.60					em//sm=268; em//tb=596				
	184-100	Assemble 3 TF coils&structure -Right -Period #1	10	17FEB06	02MAR06	176		34,504.00					em//sm=80; em//tb=320				
	184-105	Assemble 3 TF coils&structure -Left -Period #1	10	03MAR06	16MAR06	176		34,504.00					em//sm=80; em//tb=320				
	184-110	Assemble 3 TF coils&structure -Right -Period #2	10	17MAR06	30MAR06	193		34,504.00					em//sm=80; em//tb=320				
	184-115	Assemble 3 TF coils&structure -Left -Period #2	10	26APR06	09MAY06	175		34,504.00					em//sm=80; em//tb=320				
	184-120	Assemble 3 TF coils&structure -Right -Period #3	10	21JUL06	03AUG06	142		34,504.00					em//sm=80; em//tb=320				
	184-125	Assemble 3 TF coils&structure -Left -Period #3	10	18SEP06	29SEP06	112		34,504.00					em//sm=80; em//tb=320				
	Job:1810 - Field Period Assembly																
	Period 1																
	721.010	Area preparations	90	03OCT05*	15FEB06	124		92,942.40					em//sm=144; em//tb=960				
	725.001	Assemble Field Period #1 (summary task)	92*	28APR06	07SEP06	147		290,396.00					em//sm=928; em//tb=2344				
	P1-180	Rec'v VV,Attach clng tubes &Insul to 1st Period	39	06MAR06	27APR06	112		95,908.80					em//sm=416; em//tb=624				
	P1-180.9	Begin Assembly of First Field Period	0	28APR06		116		0.00					PEP Date = September 2006				
	P1-181	Assemble 1st. Field Period - coils/VV	37	28APR06	20JUN06	116		0.00									
	P1-191	Position and weld port assemblies	15	21JUN06	12JUL06	147		0.00									
	P1-201	Bakeout vessel segment to 150 degrees C	6	13JUL06	20JUL06	147		0.00									
	P1-211	vacuum leak check &Ext Trim coil instl	25	21JUL06	24AUG06	147		0.00									
	P1-221	Prepare field period for shipment	5	25AUG06	31AUG06	147		0.00									
	P1-231	Ship 1st. Field period	3	01SEP06	06SEP06	147		0.00									
	P1-241	Field period 1 ready for installation	1	07SEP06	07SEP06	147		0.00									
	Period 2																
	725.101	Assemble Field Period #2 (summary task)	91*	23JUN06	31OCT06	129		295,816.41					em//sm=928; em//tb=2344				
	P2-180	Rec'v VV,Attach clng tubes &Insul to 2nd Period	39	28APR06	22JUN06	112		95,908.80					em//sm=416; em//tb=624				
	P2-181	Assemble 2nd. Field Period- coils/ VV	37	23JUN06	15AUG06	114		0.00									
P2-191	Position and weld port assemblies	15	16AUG06	06SEP06	129		0.00										
P2-201	Bakeout vessel segment to 150 degrees C	6	07SEP06	14SEP06	129		0.00										
P2-211	vacuum leak check &Ext Trim coil instl	25	15SEP06	19OCT06	129		0.00										
P2-221	Prepare field period for shipment	5	20OCT06	26OCT06	129		0.00										
P2-231	Ship 2nd. Field period	3	27OCT06	31OCT06	129		0.00										
P2-241	Field Period 2 ready for installation	1	01NOV06	01NOV06	129		0.00										
Period 3																	
725.201	Assemble Field Period #3 (summary task)	90*	18AUG06	03JAN07	112		305,343.20					em//sm=928; em//tb=2344					
P3-180	Rec'v VV,Attach clng tubes &Insul to 3rd Period	39	23JUN06*	17AUG06	112		95,908.80					em//sm=416; em//tb=624					
P3-181	Assemble 3rd. Field Period - coils/ VV	37	18AUG06	10OCT06	112		0.00										
P3-191	Position and weld port assemblies	15	11OCT06	31OCT06	112		0.00										
P3-201	Bakeout vessel segment to 150 degrees C	5	01NOV06	07NOV06	112		0.00										
Run Date		28APR04 08:20		current schedule		ECP6		NCSX		Sheet 24 of 44							
				Progress Bar				ECP6									
				Critical Activity				(\$630k plan)									
© Primavera Systems, Inc.																	

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04 FY05 FY06 FY07 FY08 FY09 FY10											
	192-6	LOE-FY05 WBS 192-6 Integrated Analysis	250*	01OCT03A	30SEP04	1,259	LOE	44,031.80													
	192-6.01	Document coil tolerance and trim coil requiremen	31	08MAR04*	19APR04	119		19,284.00													
	192-6.011	Coil winding center determination Increase	31	08MAR04*	19APR04	1,398		0.00	\$20,000												
	192-6.02	Check critical coil tolerance calculations.	20	20APR04	17MAY04	119		10,295.20													
	192-6.03	Invest FARO arm to deter mag field distrib from	26	02FEB04*	08MAR04	237		25,738.00													
	192-6.04	Calc impact omisalignments on mutual inductances	30	09MAR04	19APR04	1,277		25,738.00													
	192-6.05	Determine reqd process for assly tolerances	58	20APR04	12JUL04	1,277		30,885.60													
	192-6.06	Coil positions to minimize islands.	63	13JUL04	08OCT04	1,277		62,328.00													
	192-6.07	Time constant calcs using SPARK	11	19APR04*	03MAY04	129		6,428.00													
	192-6.08	Indep check time constant calcs using EDDYCUFF	20	17MAY04*	14JUN04	1,359		10,295.20													
	192-6.09	Revised VV geometry	6	02FEB04*	09FEB04	1,448		3,214.00													
	192-6.10	MC interf during assly, geometry, assly trajecto	31	02FEB04*	15MAR04	1,423		34,073.60													
	192-6.11	Range of motion reqts for Assly MC fixture.	20	03MAY04*	28MAY04	1,369		18,003.60													
	192-6.12	Final check and verification	6	31MAR04*	07APR04	1,406		3,856.80													
	192-6.1	Final Analysis coil geometry to field error	0		02FEB04*	1,429		0.00													
	192-6.5	Stellarator Core Assy Design criteria	0		02FEB04*	1,429		0.00													
	192-6.2	Final Mod Coil Trajectories	0		01MAR04*	1,409		0.00													
	192-6.6	Stellarator Core Materials Database	0		01MAR04*	1,409		0.00													
	192-6.3	Best fit for mod coil assy on winding measuremen	0		30SEP04*	1,259		0.00													
	0192-5	LOE-FY05 WBS 192	249*	01OCT04*	30SEP05	1,010	LOE	514,578.55													
	0192-6	LOE-FY06 WBS 192	250	03OCT05*	02OCT06	518	LOE	165,946.13													
	0192-6X	LOE-FY06 WBS 192	242	03OCT06*	20SEP07	518	LOE	135,038.20													
	0192-91	LOE-F1 mo SO	22	01OCT07*	30OCT07	338	LOE	16,018.04													
	0192-92	LOE-F1 mo SO	22	31OCT07*	03DEC07	338	LOE	16,018.04													
	0192-93	LOE-F1 mo SO	22	04DEC07*	10JAN08	338	LOE	16,018.04													
	0192-94	LOE-F1 mo SO	22	11JAN08*	11FEB08	338	LOE	16,018.04													
	0192-95	LOE-F1 mo SO	22	12FEB08*	12MAR08	338	LOE	16,018.04													
	0192-96	LOE-F1 mo SO	22	13MAR08*	11APR08	338	LOE	16,018.04													
	0192-97	LOE-F1 mo SO	21	14APR08*	12MAY08	338	LOE	16,018.04													
	0192-98	LOE-F1 mo SO	21	13MAY08*	11JUN08	338	LOE	16,018.04													
2 - Plasma Heating, Fueling & Vac Systems																					
21 - Fueling Systems																					
	21-10	Eng. Work Planning and Design	65	03OCT05*	05JAN06	238		13,512.00													

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase												
										FY04	FY05	FY06	FY07	FY08	FY09	FY10					
	21-15	Design Gas Handling Hardware	65	06JAN06	06APR06	238		6,606.00													
	21-20	Design PLC Controls	65	06JAN06*	06APR06	238		17,968.00													
	21-25	Electrical Drafting for pumping system	65	06JAN06*	06APR06	238		13,200.00													
	21-30	Drafting	65	06JAN06*	06APR06	238		8,800.00													
	21-35	Eng. Work Planning and Design during fab	65	02OCT06*	04JAN07	114		3,638.00													
	21-40	Fabrication/Install Hardware	65	02OCT06*	04JAN07	114		7,116.00													
	21-45	Fabrication/installation	65	02OCT06*	04JAN07	114		53,477.20													
	21-55	Install PLC Controls	65	02OCT06*	04JAN07	114		9,672.00													
	21-60	Integrated Systems Testing/Eng	65	02OCT06*	04JAN07	114		3,638.00													
	21-65	Integrated Systems Testing/Tech Support	45	05JAN07*	08MAR07	114		2,418.00													
22 - Torus Vacuum Pumping Systems																					
Job: 2001-VPS, Gas & Cond Sys Oversight-BLANCHARD																					
FY03 Actual Cost																					
	2001-001	Apr-May MIE Cost	43*	01APR03A	30MAY03A		100	35,300.00													
	2001-100	PDR Support	164*	01JUN03A	30SEP03A		LOE	24,896.00													
	22-25	Eng. Work Planning and Design	65	03OCT05*	05JAN06	138		25,698.00													
	22-30	Design PLC based control system	65	06JAN06*	06APR06	203		35,936.00													
	22-35	Electrical Drafting for pumping system	65	06JAN06*	06APR06	203		23,100.00													
	22-40	Drafting	65	06JAN06*	06APR06	138		17,600.00													
	22-45	Eng. Work Planning and Design during fab	65	07APR06*	10JUL06	138		15,201.00													
	22-50	Perform maint. & repair of pmpg sys	65	07APR06*	10JUL06	138		8,808.00													
	22-55	Repair and Calibration of vac instrumentation	100	11AUG06*	03JAN07	115		9,243.20													
	22-60	Fabrication/installation	100	11AUG06*	03JAN07	115		114,721.68													
	22-65	Fab PLC conrols	100	11AUG06*	03JAN07	115		61,571.20													
	22-70	Integrated Systems Testing/Eng	45	04JAN07*	07MAR07	115		7,276.00													
	22-75	Integrated Systems Testing/Tech Support	45	04JAN07*	07MAR07	115		4,836.00													
25 - Neutral Beam Injection System																					
Job: 2501 - Neutral Beam Refurbishment-STEVENSON																					
FY03 Actual Cost																					
	2501-001	Apr-Sept MIE Cost	43*	01APR03A	30SEP03A		100	146,310.00													
FY04 Work Plan																					
	2501-015	Design & Work Planning	227*	03NOV03A	30SEP04	1,259	50	5,425.20													
	2501-020	Layout & Routing	192*	02JAN04A	30SEP04	1,259	30	7,732.80													
	2501-025	Systems Interfaces	192*	02JAN04A	30SEP04	1,259	10	7,732.80													
	2501-030	Power System Local testing	106*	01JAN04A	28MAY04	1,345	75	15,805.45													

Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
2501-035	Controls Development	128*	02JAN04A	30JUN04	1,323	20	64,292.00								
Refurbishment															
25-100	6) Drafting Support	695*	01OCT04*	25JUN07	588		108,007.21								
25-105	7) Refurbish sources	441	03OCT05*	26JUN07	587		3,977.51								
25-110	8) Fabricate and install new filaments	438	03OCT05*	21JUN07	590		6,625.84								
25-115	9) Refurbish calorimeters as needed	441	03OCT05*	26JUN07	587		18,559.92								
25-130	12) Dsn,Fan,Instl NBI vacuum system	438	13OCT05*	03JUL07	582		73,736.99								
25-145	15)Upgrade/Calibr of telemetry, ptical links etc	509*	01OCT04*	29SEP06	774		63,991.66								
25-155	17) Fab/Instl Front Box Nitrogen Cryopanel.	460	03OCT05*	23JUL07	568		97,269.14								
25-175	21) Sys Engr & Work Planning Procedures	699*	01OCT04*	29JUN07	584		70,981.24								
Re-Install Beamline															
25-180	31)Work Planning Procedures	520	03JUN05*	18JUN07	593		64,528.62								
25-185	32) EAD analysis of platform support capability	104	02OCT06*	28FEB07	670		3,638.00								
25-190	33) Fabr BL alignment measur fixture,	104	02OCT06*	28FEB07	670		28,462.00								
25-195	34) Fabr new bellows/electrical break	104	02OCT06*	28FEB07	670		16,592.00								
25-200	35) Perform alignment measurements	104	02OCT06*	28FEB07	670		829.60								
25-205	36) Prepare platform for base plate	104	02OCT06*	28FEB07	670		1,659.20								
25-210	37) Relocate base plate to NCSX location	104	02OCT06*	28FEB07	670		6,636.80								
25-215	38) Lift NB from Refurb location to NCSX locatio	104	04OCT06*	02MAR07	668		25,717.60								
25-220	39) Enclose platform around base plate	190	29SEP06*	28JUN07	585		3,317.16								
Re-Install Cables															
25-225	Cabling-Design & WP Procedures	255	04SEP06*	31AUG07	539		28,940.86								
25-230	Cabling-Fabr and Install new Junction Box	190	02OCT06*	29JUN07	584		16,592.00								
25-235	Cabling-Hi-potting cable run and fixing problems	190	02OCT06*	29JUN07	584		8,296.00								
25-240	Cabling-Install Cable Trays	190	02OCT06*	29JUN07	584		33,184.00								
25-245	Cabling-Pull cables Arc Room to PVC Junction Box	190	02OCT06*	29JUN07	584		74,480.00								
25-250	Cabling- M&S f/ trays, fixtures, materials	190	02OCT06*	29JUN07	584		35,152.00								
Beamline Connections															
25-255	Install weld cables Junction Box to Ion Source.	170	02OCT06*	01JUN07	604		9,107.20								
25-260	Connect bBL to foreline and exhaust manifold.	170	02OCT06*	01JUN07	604		4,129.60								
25-265	New PLC. Test system after installation.	170	02OCT06*	01JUN07	604		3,318.40								
25-270	Connect BL to new manifold & test	170	02OCT06*	01JUN07	604		3,318.40								
25-275	Connect beamline to new manifold & test.	170	02OCT06*	01JUN07	604		3,318.40								
25-280	Connect beamline to new manifold and test	170	02OCT06*	01JUN07	604		1,659.20								
25-285	Install Water System	170	02OCT06*	01JUN07	604		27,727.20								
25-290	Fab & Install Water Cooled Aperture	170	02OCT06*	01JUN07	604		19,609.60								

Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase												
									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
390-015	LOE Support FY05	249*	01OCT04*	30SEP05	1,010		183,996.90													
390-020	LOE Support FY06	249*	03OCT05*	29SEP06	761		187,148.40													
390-025	LOE Support FY07	122*	02OCT06*	30MAR07	469		99,039.11													
390-901	LOE Support FY07 1mo SO	22	02APR07	01MAY07	469		17,760.40													
390-902	LOE Support FY07 1mo SO	22	02MAY07	01JUN07	469		17,760.40													
390-903	LOE Support FY07 1mo SO	21	04JUN07	02JUL07	469		17,760.40													
390-904	LOE Support FY07 1mo SO	21	03JUL07	01AUG07	469		17,760.40													
390-905	LOE Support FY07 1mo SO	21	02AUG07	30AUG07	469		17,760.40													
390-906	LOE Support FY07 1mo SO	21	31AUG07	01OCT07	469		17,793.33													
390-907	LOE Support FY07 1mo SO	21	02OCT07	30OCT07	469		18,451.90													
390-908	LOE Support FY07 1mo SO	21	31OCT07	28NOV07	469		18,451.90													
4 - Electrical Power Systems																				
41 - AC Power																				
Job: 4101 - AC Power-RAMAKRISHNAN																				
411 - Auxiliary AC Power Systems																				
4101-100	Prepare Preliminary One line diagram	171*	02FEB04*	30SEP04	1,259		9,440.80													
411-1-2	fEx-Test Cell AC Power Dist-Dsn	92*	01OCT04*	18FEB05	385		19,761.90													
411-1-4	Ex-Test Cell AC Power Dist-Procure	185*	07OCT05*	06JUL06	279		11,745.00													
411-1-6	Ex-Test Cell AC Power Dist-Install	240	03OCT05*	18SEP06	228		51,769.40													
411-1-8	Ex-Test Cell AC Power Dist-Commission	100	02OCT06*	28FEB07	119		46,568.00													
411-2-2	Grounding-Dsn	220*	01OCT04*	19AUG05	225		29,688.00													
411-2-4	Grounding-Procure	107	03OCT05*	10MAR06	261		6,525.00													
411-2-6	Grounding-Install	172	13OCT05*	22JUN06	188		55,912.00													
411-2-8	Grounding-Commission	100	02OCT06*	28FEB07	119		18,448.00													
411-3-2	Test Cell AC Power Distr-Dsn	220*	01OCT04*	19AUG05	140		68,024.00													
411-3-4	Test Cell AC Power Distr-Procure	150	29SEP05*	08MAY06	113		69,612.50													
411-3-6	Test Cell AC Power Distr-Install	207	09MAY06*	08MAR07	113		61,951.46													
411-3-8	Test Cell AC Power Distr-Commission	121	11SEP06*	08MAR07	113		31,186.72													
411-4-2	Standby Power for Cryo Sys -Dsn	65	01MAR06*	31MAY06	295		15,100.00													
411-4-4	Standby Power for Cryo Sys -Procure	130	02OCT06*	11APR07	210		21,632.00													
411-4-6	Standby Power for Cryo Sys -Install	65	12APR07	13JUL07	210		51,968.00													
412 - Experimental AC Power Systems																				
412-1-2	D-site Pulsed AC Power Distr-Dsn	253	01OCT04*	06OCT05	189		10,522.84													

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04 FY05 FY06 FY07 FY08 FY09 FY10						
	412-1-4	D-site Pulsed AC Power Distr-Procure	179	13OCT05*	03JUL06	251		6,525.00								
	412-1-6	D-site Pulsed AC Power Distr-Install	245	07OCT05	29SEP06	189		16,043.20								
	412-1-8	D-site Pulsed AC Power Distr-Commission	121	03MAY06*	23OCT06	173		9,741.47								
42 - AC/DC Converters																
422 - D-Site AC/DC Converters																
	422-1-8	Transrex power supplies Reactivation	100	02OCT06*	28FEB07	119		23,534.00								
43 - DC Systems																
Job: 4301 - DC Systems-RAMAKRISHNAN																
FY03 Actual Cost																
	4301-001	Apr-Sept MIE Cost	43*	01APR03A	30SEP03A		100	2,390.00								
431 - C-Site DC Systems																
	4301-100	Prel Design link box & physical details,location	63	03MAY04*	30JUL04	1,302		75,124.40								
	4301-104	clear EF/OH bldg of stored hardware	10	02FEB04	13FEB04	1,420		0.00								
	431-1-2	Coil DC Cabling to link box (PCTB)-Dsn	153	13OCT05*	25MAY06	659		38,740.00								
	431-1-4	Coil DC Cabling to link box(PCTB)-Procure	190	01SEP06*	07JUN07	591		52,804.46								
	431-1-6	Coil DC Cabling to (PCTB)-Install	108	08JAN07*	07JUN07	591		9,689.60								
	431-2-2	DC Cabling to Coils in TC-Dsn	149	13OCT05*	19MAY06	181		60,140.00								
	431-2-4	DC Cabling to Coils in TC-Procure	190	01JUN06*	07MAR07	174		60,160.01								
	431-2-6	DC Cabling to Coils in TC-Install	108	27SEP06	07MAR07	174		30,012.22								
432 - D to C-Site DC Systems																
	432-100	Prepare Tower SOW and IP for BOA design	10*	03NOV03A	26NOV03A		100	6,141.60								
	432-105	BOA design tower supports	71*	12DEC03A	30MAR04	1,202	10	48,412.00								
	432-110	Prep SOW and Requisition for tower installation	16	21JUL04	11AUG04	1,124		23,812.00								
	432-115	Bid & Award	35	12AUG04	30SEP04	1,124		0.00								
	432-120	Install Tower Supports	74	01OCT04*	25JAN05	1,124		403,104.00								
	432-1-2	DC Cabling-Dsn	80	01MAR04*	21JUN04	1,124		28,046.40								
	432-1-4.0	Prepare SOW & Requisition for 1000MCM 5kv Cable	30	13AUG04*	24SEP04	1,087		0.00								
	432-1-4.1	Bid & Award - Cable	40	01JUL05*	26AUG05	898		0.00								
	432-1-4.2	Cable Delivery [A/1]	75	03OCT05*	25JAN06	874		135,928.80								
	432-1-4.4	Prepare SOW & Requisition for Cable Installation	30	10AUG04*	21SEP04	1,104		0.00								
	432-1-4.5	Bid & Award Cable Installation	40	02MAY05*	27JUN05	955		0.00								
	432-1-4.7	Procure trays	20	01JUL05*	29JUL05	952		14,212.00								
	432-1-4.8	Install Trays	41	01AUG05	27SEP05	952		14,212.00								
	432-1-4.6	S/C Install Cable [A/1]	61	01FEB06	26APR06	870		622,485.00								
	432-1-6	DC Cabling-Installation Support	140	03OCT05*	26APR06	870		29,992.80								

Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
443 - Real Time Control Systems															
443-1-2	Develop Control Algorithms-Dsn	142	21APR06*	09NOV06	130		38,397.97				EE//EM =240hr ;				
444 - Instrument Systems															
444-1-2	DC Current Transducers (DCCTs)-Dsn	124	13OCT05*	14APR06	126		15,100.00			EA//DM =80hr ; EE//EM =40hr ;					
444-1-4	DC Current Transducers (DCCTs)-Procure	164	05DEC05*	01AUG06	191		46,980.00			41=36\$;					
444-1-6	DC Current Transducers (DCCTs)-Install	160	17APR06*	01DEC06	126		35,115.07			EE//EM =32hr ; EE//SM =64hr ; EE//TB =280hr ;					
444-1-8	DC Current Transducers (DCCTs)-Commission	143	08JUN06*	08JAN07	126		16,521.62			EE//EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;					
444-2-2	DC Potential Transducers (DCPTs)-Dsn	95	07OCT05*	28FEB06	119		30,200.00			EA//DM =160hr ; EE//EM =80hr ;					
444-2-4	DC Potential Transducers (DCPTs)-Procure	207	30SEP05*	31JUL06	192		15,659.25			41=12\$;					
444-2-6	DC Potential Transducers (DCPTs)-Install	200	01MAR06*	12DEC06	119		33,603.00			EE//EM =40hr ; EE//SM =40hr ; EE//TB =280hr ;					
444-2-8	DC Potential Transducers (DCPTs)-Commission	120	21JUL06*	17JAN07	119		16,697.40			EE//EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;					
444-3-2	DC Shunts-Dsn	122*	01OCT04*	01APR05	415		14,844.00		VANKIRK =80hr ; Raki =40hr ;						
444-3-4	DC Shunts-Procure	224	29SEP05*	22AUG06	176		41,756.29		41=32\$;						
444-3-6	DC Shunts-Install	130	20MAR06*	20SEP06	176		34,403.20		EE//EM =32hr ; EE//SM =64hr ; EE//TB =280hr ;						
444-3-8	DC Shunts-Commission	65	21SEP06*	22DEC06	131		17,077.81		EE//EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;						
444-4-2	Signal Conditioning & Cabling-Dsn	99	23SEP05*	20FEB06	195		52,846.67		EA//DM =80hr ; EE//EM =280hr ;						
444-4-4	Signal Conditioning & Cabling-Procure	188	13OCT05*	17JUL06	135		11,745.00		41=09\$;						
444-4-6	Signal Conditioning & Cabling-Install	130	16MAY06*	16NOV06	135		29,050.34		EE//EM =40hr ; EE//TB =280hr ;						
444-4-8	Signal Conditioning & Cabling-Commission	65	15SEP06*	18DEC06	135		21,559.32		EE//EM =80hr ; EE//SM =40hr ; EE//TB =40hr ;						
445 - Coil Protection Systems															
445-1-2	Ground Fault Protection-Dsn	142	01OCT04*	29APR05	282		21,040.00		VANKIRK =80hr ; Raki =80hr ;						
445-1-4	Ground Fault Protection-Procure	187	24NOV04*	26AUG05	199		3,876.00		41=03\$;						
445-1-6	Ground Fault Protection-Install	223	05OCT05*	25AUG06	173		18,137.60		EE//EM =32hr ; EE//SM =32hr ; EE//TB =120hr ;						
445-1-8	Ground Fault Protection-Commission	65	05OCT06*	15JAN07	121		12,028.80		EE//EM =32hr ; EE//SM =32hr ; EE//TB =32hr ;						
445-2-0	Overload Protection & Cabling-Prelim Dsn	131*	01MAR04*	01SEP04	1,279		89,287.20		vankirk =160hr ;raki =328hr ; marsala=88; ee//tb=112;41=\$ 4 k						
445-2-1	Overload Protection & Cabling-Peer Review	0	02SEP04	01SEP04	1,279		0.00								
445-2-2	Overload Protection & Cabling-FinalDsn	65	05OCT05*	13JAN06	120		37,740.00		EA//DM =240hr ; EE//EM =72hr ;						
445-2-4	Overload Protection & Cabling-Procure	136	30SEP05*	19APR06	173		36,537.32		41=28\$;						
445-2-6	Overload Protection & Cabling-Install	186	16JAN06*	05OCT06	120		40,522.14		EE//EM =64hr ; EE//SM =152hr ; EE//TB =168hr ;						
445-2-8	Overload Protection & Cabling-Commission	65	09OCT06	17JAN07	119		24,268.80		EE//EM =80hr ; EE//SM =32hr ; EE//TB =80hr ;						
446 - Ground Fault Monitoing System															
446-1-2	GFMS-Dsn	190	03OCT05*	07JUL06	208		34,652.50		EA//DM =80hr ; EE//EM =120hr ;41=5						
446-1-4	GFMS-Procure/Fab/Install	130	02OCT06*	11APR07	149		132,370.40		ee//em=168, ea//dm=48, ee//sm=24041=ee//tb=256, 41=\$35k						

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
45 - Power System Design and Integration																
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN																
FY03 Actual Cost																
	4501-001	Apr-Sept MIE Cost	43*	01APR03A	30SEP03A		100	112,340.00								
451 - System Design & Interfaces																
	4501-100	Design Drawings	171*	02FEB04*	30SEP04	1,259		69,832.00								
	4501-110	Calculations-Dsn	43*	02FEB04*	31MAR04	1,387		12,897.60								
	451-0-1	C-Site Decision	0	02FEB04	30JAN04*	1,430		0.00								
	451-0-2	Develop SRD	21*	02FEB04*	01MAR04	1,409		0.00								
	451-1-2	Calculations-Dsn	498*	01OCT04*	29SEP06	761		37,488.00								
	451-2-2	PDR Power system -Dsn	22*	01APR04*	30APR04	1,365		10,236.00								
	451-2-2.1	FDR Power system -Dsn	65	01OCT04*	12JAN05	1,194		10,520.00								
	451-2-20	PDR Electr Power system	0		30APR04	1,365		0.00								
	451-3-2	Drawings,changes,asbuilts -Elect Dsn Integration	756*	01OCT04*	11OCT07	503		275,076.00								
	451-4-2	FDR AC auxiliaries & grounding-Dsn	45	03OCT05*	06DEC05	965		10,700.00								
	451-6-2	FDR C-Site -Dsn	45	01OCT04*	06DEC04	1,214		21,040.00								
	451-7-2	FDR DC transmission-Dsn	20*	03MAY04*	28MAY04	1,345		10,236.00								
	451-7-20	FDR DC transmission	0		28MAY04	1,345		0.00								
	451-8-2	FDR D-Site -Dsn	45	01OCT04*	06DEC04	1,214		21,040.00								
452 - Electrical Systems Support																
	452-1-2	Diagnostics AC Power Distr-Dsn	108*	11AUG05*	20JAN06	139		16,505.06								
	452-1-4	Diagnostics AC Power Distr-Procure	248	05OCT05*	02OCT06	178		1,305.19								
	452-1-6	Diagnostics AC Power Distr-Install	217	23JAN06	28NOV06	139		14,659.67								
	452-1-8	Diagnostics AC Power Distr-Commission	65	23OCT06*	31JAN07	139		6,021.60								
	452-2-2	Diagnostics sensor cabling-Dsn	97*	11AUG05*	05JAN06	237		23,748.58								
	452-2-4	Diagnostics sensor cabling-Procure	240	05OCT05*	20SEP06	186		2,610.00								
	452-2-6	Diagnostics sensor cabling-Install	130	30MAY06*	01DEC06	136		20,556.31								
	452-2-8	Diagnostics sensor cabling-Commission	65	26OCT06*	05FEB07	136		6,021.60								
453 - System Testing (PTP's)																
	453-1-2	New Procedures	90	06OCT05*	20FEB06	215		68,000.00								
	453-1-4	Preop Testing-Procure test equipt	160	10JUL06*	01MAR07	118		33,366.72								
	453-1-8	Testing PTPs, ISTPs	100	09OCT06*	07MAR07	114		90,618.40								
46 - FCPC Building Modifications																
Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN																
FY03 Actual Cost																
	4601-001	Apr-Sept MIE Cost	43*	01APR03A	30SEP03A		100	1,300.00								

Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
62 - Cryogenic Systems															
621 - LN2-LHe Supply System															
631-001	Preliminary Design	65	19MAY06*	21AUG06	137		15,032.10								
631-010	Final Design	65	22AUG06	21NOV06	137		35,902.27								
631-015	Fab/Assy/Installation	65	08FEB07*	09MAY07	129		82,963.10								
631-020	Procurement	88	06DEC06*	16APR07	129		118,976.00								
622 - LN2 Coil Cooling Supply															
632-001	Preliminary Design	65	15MAY06*	15AUG06	116		15,032.10								
632-010	Final Design	65	16AUG06	15NOV06	116		29,337.35								
632-015	Fab/Assy/Installation	110	18DEC06*	29MAY07	116		114,018.60								
632-020	Procurement	130	16NOV06*	29MAY07	116		116,001.60								
623 - GN2 Cryostat Cooling System															
633-001	Preliminary Design	65	12APR06*	13JUL06	139		15,032.10								
633-010	Final Design	65	14JUL06	13OCT06	139		24,114.72								
633-015	Fab/Assy/Installation	88	11JAN07*	14MAY07	126		72,933.10								
633-020	Procurement	130	02NOV06*	14MAY07	126		108,092.40								
63 - Utility Systems															
640.010	FY04/05 LOE support	489*	06OCT04*	21SEP06	767		16,749.14								
640.011	Design GN2, Air & Vent Systems	117	26MAY06*	09NOV06	150		31,706.87								
640.021	Assembly/Fabrication	40	19DEC06*	20FEB07	125		72,413.80								
64 - PFC/VV Heating & Cooling															
650.001	Preliminary Design	50	26MAY06*	07AUG06	122		40,172.00								
650.005	Final Design	65	08AUG06	07NOV06	122		118,749.29								
650.010	Lab Fab/Assy/Installation	130	08NOV06*	18MAY07	122		286,477.00								
650.012	Procured Hardware/Material	130	08NOV06*	18MAY07	122		172,650.40								
650.015	Procured Installation/Assy	43	21MAR07*	18MAY07	122		10,816.00								
65 - Facility Systems Integration															
Job: 6163 - Facility Systems Support FY04															
65-03	LOE WBS 6	250*	01OCT03A	30SEP04	1,259	LOE	32,220.00								
Job: 6501 - Facility Systems Integration-DUDEK															
FY03 Actual Cost															
6501-001	Apr-Sept MIE Cost PPPL	0	01APR03A	30SEP03A		100	9,380.00								

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
7 - Test Cell Preparation and Machine Assy																
71 - Shield Wall Seismic Modifications																
Job: 7101 - Shield Wall Modif Design-PERRY																
FY03 Actual Cost																
	7101-000	Apr-Sept MIE Cost PPPL	66	01APR03A	30SEP03A		100	32,150.00								
72 - Control Room Refurbishment																
Job: 7201 - Control Room Walls&Floors-PERRY																
	710.001	Block Wall east side control room	41	01JUN04*	28JUL04	1,284		39,512.00								
	711B.050	Complete Control Room Flooring	20	29JUL04	25AUG04	1,284	85	8,107.20								
73 - Platform Design & Fabrication																
Job: 7301 - Platform Design & Fab-PERRY																
	712.008	Update Platform Specification	12*	02FEB04*	17FEB04	1,354		6,460.00								
	712.009	Platform PDR	0		17FEB04*	1,354		0.00								
	711A.040	Platform nut plates	63*	02JUL04*	30SEP04	1,259	75	28,922.00								
	712.010	Final Design	64*	01JUL04*	30SEP04	1,283		54,170.00								
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																
	712.020	Fab & Assemble Platform	132	03OCT05*	10APR06	212		24,296.30								
	712.030	Miscs Hardware/Material	132	03OCT05*	10APR06	896		45,675.00								
74 - Machine Assembly Planning and Oversight																
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																
FY03 Actual Cost																
	7401-001	Apr-Sept MIE Cost PPPL	66	01APR03A	30SEP03A		100	131,680.00								
Oversight and Supervision																
	711A.020	LOE FY04	256*	01OCT03A	30SEP04	1,283	LOE	149,894.50								
Project Scope																
	714.010	LOE FY05	249	01OCT04*	30SEP05	522		236,807.20								
	714.020	LOE FY06 prior to assy starting	122	03OCT05	31MAR06	522		118,111.86								
	714.030	LOE FY07 thru first plasma	366	03APR06	14SEP07	522		542,474.94								
	714.031	WBS 7 mgt stretch out cost	180*	11SEP07*	30MAY08	346		287,396.72								
FED/Infrastructure Support (non Project cost)																
	613.010	Remove Shield Walls ** GPP **	86*	02FEB04*	01JUN04	1,368		0.00								
	613.015	Fabricate New Bottom Course of Blocks **GPP**	87*	15MAR04*	15JUL04	1,337		0.00								
	613.017	Install New Bottom Course **GPP**	107*	02AUG04*	04JAN05	1,219		0.00								
	613.020	Remove south PLT shielding (cc 7230)	111*	12JAN04A	15JUN04	1,358		0.00								
	613.025	Dispose of old south PLT shielding **GPP**	44*	15JUN04*	16AUG04	1,315		0.00								
	EXFAC003	Clear PBX control room & Safe PBX (cc7230)	110*	27JAN03A	30JUN03A		100	0.00								
Run Date		28APR04 08:20		ECP6		NCSX ECP6 (\$630k plan)		Sheet 38 of 44								
		current schedule Progress Bar Critical Activity														
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	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmplt	Baseline Budget	ETC Increase		FY04	FY05	FY06	FY07	FY08	FY09	FY10		
	EXFAC004	Remove Fire protection PLT wall (cc7230)	21	01MAY03A	09MAY03A		100	0.00											
	EXFAC005	Remove Fire Protection under platform (cc7230)	21	01APR03A	30APR03A		100	0.00											
	EXFAC006	Remove Fire Protection Control rm walls(cc7230)	21	01MAY03A	09MAY03A		100	0.00											
	EXFAC007	Remove PBX Base Plates cc7230)	45*	01MAR04*	30APR04	1,174	100	0.00											
	GPP001	GPP-Upgarde C-Site central chilled wtr plant*TBD	1	01OCT02A	01OCT02A			0.00											
	GPP004	GPP-Roofing Design	171*	02FEB04*	30SEP04	1,010		0.00											
	GPP004.1	GPP-Roofing Install	249*	01OCT04*	30SEP05	1,010		0.00											
	GPP005	GPP-Test Cell lighting Design	64*	01APR04*	30JUN04	1,259		0.00											
	GPP005.1	GPP-Test Cell lighting Install	64	01JUL04	30SEP04	1,259		0.00											
	GPP006	GPP-Test Cell HVAC/dew point control Design	120	01OCT04*	30MAR05	1,011		0.00											
	GPP006.1	GPP-Test Cell HVAC/dew point control Install	128	31MAR05	29SEP05	1,011		0.00											
	GPP007	GPP-C-Site elevators Design	64	02FEB04*	29APR04	1,302		0.00											
	GPP007.1	GPP-C-Site elevators Install	64	30APR04	30JUL04	1,302		0.00											
	GPP008	GPP-Fire suppression high bay design	64	01APR04*	30JUN04	1,259		0.00											
	GPP008.1	GPP-Fire suppression high bay install	64	01JUL04	30SEP04	1,259		0.00											
	GPP009	Control Room Lights & Outlets design	121*	01OCT04*	31MAR05	1,010		0.00											
	GPP009.1	Control Room Lights & Outlets install	64	01APR05	30JUN05	1,010		0.00											
	GPP010	Control Room HVAC Design	121*	01OCT04*	31MAR05	1,010		0.00											
	GPP010.1	Control Room HVAC Install	64	01APR05	30JUN05	1,010		0.00											
	GPP011	Control Room Ceiling Design	64	01APR05*	30JUN05	1,010		0.00											
	GPP011.1	Control Room Ceiling Install	64	01JUL05	30SEP05	1,010		0.00											
	GPP012	Control Rm Fire Detection & Suppression Design	121*	01OCT04*	31MAR05	1,010		0.00											
	GPP012.1	Control RmFire Detection & Suppression Install	64	01APR05	30JUN05	1,010		0.00											
	Test Cell Modifications & Upgrades																		
	613.030	Test Cell copper ground plane cuts	25	03MAY04*	07JUN04	1,198			10,490.00										
	713.010	General procurements	128*	01APR04*	30SEP04	1,283			19,110.00										
	7502-000	Outlet Design	65*	02FEB04*	30APR04	1,199			25,272.00										
	7502-001	Test Cell 110v outlets	40	01JUL04*	26AUG04	1,283			14,268.80										
	7502-002	Test Cell 208v outlets	40	01JUL04*	26AUG04	1,283			7,134.40										
	7502-010	Ready Rooms (under control room) 110v outlets	40	01JUL04*	26AUG04	1,157			7,134.40										
	7502-011	Cable Removal in test cell (S04335-32)	0*	01OCT03A	31OCT03A		100		9,937.20										
	7502-025	TC Floor penetration covers	42	03NOV03A	26NOV03A		100		16,848.00										
EXFAC001.2	Complete Crane Modifications (S04354)	0*	02FEB04A	30JAN04A		100		37,608.48											

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
75 - Test Cell and Basement Assembly Operations																
7501 - Construction Support Crew																
	7501-05	Construction Support Crew during machine assy	356	05JAN06	04JUN07	112		794,815.37								
	7501-06	Construction Support Crew during e-beam mapping	41	22AUG07	18OCT07	498		94,025.50								
	7501-07	Construction Support Crew during cryostat instl	40	05OCT07	03DEC07	468		92,837.72								
7502 - Test Cell Facility Preparations																
	7502-020	Resurface TC floor	42	04OCT04*	02DEC04	1,132		30,248.00								
	7502-030	TC Floor firesealing	42	03DEC04*	09FEB05	1,132		12,996.00								
	7502-035	Control room firesealing	42	10FEB05*	08APR05	1,132		8,664.00								
7503 - Machine Assembly																
	730.1000	Begin Assembly Activities	0	18JUL06*		124		0.00								
	730.1020	Install & Level Support Base Plates	15	18JUL06	07AUG06	124		34,504.00								
	730.1030	Install/Level Machine Support Columns	25	08AUG06	12SEP06	124		51,756.00								
	730.1040	Install Platform	55	13SEP06	30NOV06	124		231,277.87								
	730.1050	Install Lighting,Fire Det/Supprs under platform	160	01DEC06	24JUL07	559		70,761.60								
	730.1060	Install Lower Cryostat Floor	5	27SEP06	03OCT06	124		17,784.80								
	730.1070	Install Lower PF 3,4,5&6 into prelim position	5	04OCT06	10OCT06	124		18,584.00								
	730.1081	1st Field Period Assembly-Position	6	11OCT06	18OCT06	124		22,300.80								
	730.1081X	*****PBR add1st Field Period Assembly-Position	6	19OCT06	26OCT06	124		22,300.80								
	730.1082	1st Field Period Assembly-Weld	4	27OCT06	01NOV06	124		14,867.20								
	730.1083	1st Field Period Assembly-Leak Check	5	02NOV06	08NOV06	124		18,584.00								
	730.1091	2nd Field Period Assembly-Position	6	09NOV06	16NOV06	124		22,300.80								
	730.1091X	****PBR add2nd Field Period Assembly-Position	6	17NOV06	28NOV06	124		22,300.80								
	730.1092	2nd Field Period Assembly-Weld	4	29NOV06	04DEC06	124		14,867.20								
	730.1093	2nd Field Period Assembly-Leak Check	5	05DEC06	11DEC06	124		18,584.00								
	730.1101	3rd Field Period Assembly-Position	12	05JAN07	22JAN07	112		44,601.60								
	730.1101X	*****pbr adrd Field Period Assembly-Position	12	23JAN07	07FEB07	112		44,601.60								
	730.1102	3rd Field Period Assembly-Weld	4	08FEB07	13FEB07	112		14,867.20								
	730.1103	3rd Field Period Assembly-Leak Check	5	14FEB07	20FEB07	112		18,584.00								
	730.1130	Make Final Vacuum Pump Connections to VV	13	21FEB07	09MAR07	112		37,168.00								
	730.1139	Begin Vac Vsl Pumpdown	0	12MAR07		112		0.00								
	730.1140	PTP Pumpdown & leak check VV (WBS 220-025)	10	12MAR07	23MAR07	112		47,012.00								

	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmpl	Baseline Budget	ETC Increase										
										FY04	FY05	FY06	FY07	FY08	FY09	FY10			
	L4-200	PDR	0		30JAN04*	1,410		0.00											
	L4-217	EIR	0		30JAN04*	1,410		0.00											
	M-0100	CD-2 CD-3A	0		27FEB04*	1,410		0.00											
	M-0115	CD-3	0		30SEP04*	1,259		0.00											
	M-0120	CD-4	0		30MAY08*	0		0.00											
Job: 8203 - Design Integration-REIERSEN																			
FY03 Actual Cost																			
	820.150	Apr-Sept MIE Cost PPPL	128*	01APR03A	30SEP03A		100	178,750.00											
	820.200	LOE FY04	256*	01OCT03A	30SEP04	1,283	LOE	257,272.80											
Job: 8204 - Systems Analysis-REIERSEN																			
FY03 Actual Cost																			
	820.173	Apr-Sept MIE Cost PPPL	128*	01APR03A	30SEP03A		100	44,620.00											
	820.174	LOE FY04	172*	01OCT03A	30SEP04	1,283	LOE	150,254.50											
	1501-193	Perform seismic analyses	30	02FEB04	12MAR04	1,424		0.00											
	8204.01	Assess magnetic material in test cell	56*	02FEB04*	19APR04	125		38,568.00											
	8204.02	Model effects local high MU regions on MCWF	29	20APR04	28MAY04	125		19,284.00											
	820.003	Proj engr,Sys Integr.,Designers, Deputy PM FY05	255*	01OCT04*	30SEP05	1,028		933,340.30											
	820.004	Proj engr,Sys Integr.,Designers, Deputy PM FY06	254*	03OCT05*	29SEP06	348		870,153.80											
	820.004X	Proj engr,Sys Integr.,Designers, Deputy PM FY07	65	02OCT06	04JAN07	348		240,404.50											
	820.004Z	Proj engr,Sys Integr.,Designers, Deputy 8mo s.o.	187	05JAN07	25SEP07	348		692,941.22											
	820.005	Proj engr,Sys Integr.,Designers, Deputy PM FY07	174*	26SEP07*	30MAY08	348		375,239.54											
84 - Project Physics																			
Job: 8401 - Project Physcis-ZARNSTORFF																			
FY03 Actual Cost																			
	840.201	Apr-Sept MIE Cost PPPL	128*	01APR03A	30SEP03A		100	210,270.00											
	840.202	Project Physics/Engr Analysis FY04	256*	01OCT03A	30SEP04	1,283	LOE	99,806.20											
	840.203	Project Physics/Engr Analysis FY05	255*	01OCT04*	30SEP05	1,028		95,530.00											
Job: 8402 - Project Physics MIE ORNL-LYON																			
FY03 Actual Cost																			
	840.301	Apr-Sept MIE Cost ORNL	152*	01APR03A	30SEP03A		100	40,980.00											
	840.302	Project Physics/Engr Analysis FY04	256*	01OCT03A	30SEP04	1,283	LOE	61,110.96											

Run Date 28APR04 08:20



ECP6

NCSX
ECP6
(\$630k plan)

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	Activity ID	Activity Description	Orig Dur	Forecast Start	Forecast Finish	Total Float	% Cmplt	Baseline Budget	ETC Increase	FY04	FY05	FY06	FY07	FY08	FY09	FY10
85 - Integrated Systems Testing																
920.001	Procedure and Document Preparation	257	03APR06*	11APR07	129			458,003.27								
920.004	Begin Start-up Testing	0	05JUN07		112			0.00								
920.005	Start-up Testing	55	05JUN07	21AUG07	112			390,743.50								
920.010	Power Testing and E-Beam Mapping	41	22AUG07	18OCT07	112			308,663.69								
920.020	Final ISTP	10	04DEC07	17DEC07	112			67,553.80								
730.9000	First Plasma	0		30MAY08*	0			0.00								
Allocations																
PPPL Allocations																
Job: 8998 - Allocations																
FY03 Actual Cost																
99.03	Apr-Sept MIE Cost PPPL	128*	01APR03A	30SEP03A		100		60,670.00								
99.04	PPPL Allocations FY04	256*	01OCT03A	30SEP04	1,283	LOE		265,920.20								
99.05	PPPL Allocations FY05	255*	01OCT04*	30SEP05	1,028			214,990.60								
99.06	PPPL Allocations FY06	254*	03OCT05*	29SEP06	774			214,619.50								
99.07	PPPL Allocations FY07	190*	02OCT06*	29JUN07	519			170,232.95								
99.07X	PPPL Allocations FY07	65*	02JUL07*	28SEP07	519			56,885.00								
Contingency																
+ Contingency																
		1,106	02FEB04	30MAY08	348			14,696,000.00								

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