























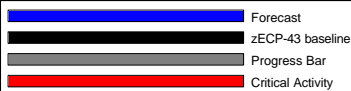






Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days = 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline																																			
											FY06		FY07		FY08		FY09		FY10																										
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
<b>Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI</b>																																													
<b>Prior Costs</b>																																													
1408-001		Apr-Sep YTD MIE Cost PPPL	01APR03A	64	30SEP03A			29,790.00	100	29,790.00																																			
<b>Copper Conductor</b>																																													
1408-141		Copper Conductor -Spec & Requisition	02AUG04A	3	27AUG04A			2,472.00	100	2,472.00																																			
1408-142		Copper Conductor -Prep & Issue RFQ/RFP	30AUG04A	23*	30SEP04A			0.00	100	0.00																																			
1408-143		Copper Conductor -Evaluate Bids & Award	30SEP04A	5	30SEP04A			0.00	100	0.00																																			
1408-143.1		Mod Coil Copper Conductor Awarded		0	01OCT04A			0.00	100	0.00																																			
1408-147		Copper Conductor -Delivery #1 PE005371	01OCT04A	63*	23DEC04A			12,002.97	100	12,002.97																																			
1408-145		Copper Conductor -Delivery #2 PE005371	01MAR05A	66*	29APR05A			228,056.43	100	228,056.43																																			
1408-146		Add'l Copper Conductor f/trial winding PE005371	25JUL05A	71*	31OCT05A			31,382.87	100	31,382.87																																			
<b>Insulation for conductor</b>																																													
1408-101		Insulation-Spec & Requisition	09JUL04A	3*	13JUL04A			0.00	100	0.00																																			
1408-103		Insulation-Prep & Issue RFQ/RFP	01AUG04A	10	20AUG04A			0.00	100	0.00																																			
1408-104		Insulation-Evaluate Bids & Award	23AUG04A	5	31AUG04A			0.00	100	0.00																																			
1408-107		Insulation-Initial Delivery for Production	31JAN05A	11	31JAN05A			6,405.00	100	6,405.00																																			
1408-108		Insulation-Delivery incl add'l f/trial winding	01JUN05A	0*	30JUN05A			20,496.00	100	20,496.00																																			
<b>Groundwrap Insulation</b>																																													
1408-110		Grndwrap Insulation-Spec & Requisition	03JAN05A	3	31JAN05A			0.00	100	0.00																																			
1408-112		Grndwrap-Bid & Award	03JAN05A	3	31JAN05A			0.00	100	0.00																																			
1408-112.1		Grndwrap-Delivery	31JAN05A	37*	28FEB05A			25,620.00	100	25,620.00																																			
<b>Cladding</b>																																													
1408-505		PPPL Fabr Cladding Type C for Coil c1	01MAY05A	15	31MAY05A			3,586.65	100	3,586.65																																			
1408-507		PPPL Fabr Cladding Type C for Coil c2	02OCT05A	58*	23DEC05A			3,838.80	100	3,838.80																																			
1408-501		Submet Requisition for Type C Cladding	31OCT05A	1	31OCT05A			0.00	100	0.00																																			
1408-503		Bid and Award Type C Cladding (PE006336)	01NOV05A	20	30NOV05A			0.00	100	0.00																																			
1408-509		Fabr Cladding Type C for Coil c3	03DEC05A	36	31JAN06A			3,838.80	100	3,838.80																																			
1408-511		Fabr Cladding Type C for Coil c4	03DEC05A	36	31JAN06A			3,838.80	100	3,838.80																																			
1408-513		Fabr Cladding Type C for Coil c5	03DEC05A	36	31JAN06A			3,838.80	100	3,838.80																																			
1408-515		Fabr Cladding Type C for Coil c6	03DEC05A	36	31JAN06A			3,838.80	100	3,838.80																																			
1408-517		Submet Requisition for Type A Cladding	01APR06A	5	14APR06A			0.00		0.00																																			
1408-519		Bid and Award Type A Cladding	17APR06A	30	26APR06A			0.00		0.00																																			
1408-521	EC45	Fabr Cladding Type A for Coil a1	01MAY06	16	22MAY06		160	0.00		6,032.40																							41=\$4.4k												
1408-523	EC45	Fabr Cladding Type A for Coil a2	01MAY06	16	22MAY06		189	0.00		6,032.40																							41=\$4.4k												
1408-525	EC45	Fabr Cladding Type A for Coil a3	01MAY06	16	22MAY06		216	0.00		6,032.40																								41=\$4.4k											
1408-527	EC45	Fabr Cladding Type A for Coil a4	01MAY06	16	22MAY06		254	0.00		6,032.40																								41=\$4.4k											
1408-529	EC45	Fabr Cladding Type A for Coil a5	01MAY06	16	22MAY06		400	0.00		6,032.40																								41=\$4.4k											
1408-531	EC45	Fabr Cladding Type A for Coil a6	01MAY06	16	22MAY06		419	0.00		6,032.40																								41=\$4.4k											
1408-533		Submet Requisition for Type B Cladding	22MAY06	5	26MAY06		201	0.00		0.00																																			
1408-535		Bid and Award Type B Cladding	30MAY06	10	12JUN06		201	0.00		0.00																																			
1408-537	EC45	Fabr Cladding Type B for Coil b1	13JUN06	20	11JUL06		201	0.00		6,032.40																								41=\$4.4k											
1408-539	EC45	Fabr Cladding Type B for Coil b2	13JUN06	25	18JUL06		242	0.00		6,032.40																								41=\$4.4k											
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
											FY06		FY07		FY08		FY09		FY10																										

Run Date 08JUN06 12:31



EC45

**NCSX  
ECP-45 BASELINE  
MAY 2006**

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Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	Timeline																							
											FY06			FY07			FY08			FY09			FY10											
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
1408-173		Epoxy for Shell Mold (Hysol)	03JAN06A	520*	31JAN08		420	14,863.29	60	24,772.15	M&S= \$ 18 k																							
1408-183		Tubing (Chem flor and Poly)	01SEP05A	67*	31OCT05A			46,373.37	100	46,373.37																								
1408-184		Vulcanizing tape, felt and RTV	03JAN06A	45	03JUL06		811	25,034.46	83	30,162.00	M&S= \$ 22 k																							
1408-185		Valves and Fittings	01AUG05A	66*	31OCT05A			19,644.55	100	19,644.55																								
1408-186		Manifolds	01SEP05A	209	30SEP05A			75,850.56	100	75,850.56																								
<b>I&amp;C</b>																																		
174-035		Modular Coil local I&C -Procurement	01MAY06	40	26JUN06		816	0.00		18,275.43	41=\$13.33k																							
FY05CV-21		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			33,000.00		33,000.00																								
<b>Job: 1411-MCWF Fabrication S005242-HEITZENROEDER</b>																																		
<b>Contract Oversight and Title III</b>																																		
172-031		Title III engr	24MAY04A	340*	30SEP05A			76,273.90	LOE	76,273.90																								
172-031.1	X	Title III engr	01OCT05A	350*	01MAR07		648	67,861.86	LOE	167,147.43	Heitzenroeder =640hr; Williamson = 107 hr ; travel=\$26k																							
FY05CV-23		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			275,000.00		275,000.00																								
MCWF-001	X	EIO Project Mgt. & Reporting	29OCT04A	486*	15SEP06		709	682,500.00	LOE	910,000.00	48=909 ;																							
MCWF-001A	X	EIO Project Mgt. & Reporting AMEND #11	18SEP06	75*	29DEC06		709	0.00		129,250.00	48=129,246 ;																							
MCWF-001B	X	EIO Project Mgt. & Reporting AMEND #12	02JAN07*	76*	17APR07		633	0.00		146,000.00	48=146 ;																							
MCWF-011		Pattern A complete	29OCT04A	126*	01APR05A			290,125.00	100	290,125.00																								
MCWF-021		Pattern B complete	01DEC04A	220*	30SEP05A			255,120.00	100	255,120.00																								
MCWF-031		Major Tool Tooling Complete	29OCT04A	82*	28FEB05A			628,622.00	100	628,622.00																								
MCWF-041		Materials (MetalTek)	29NOV04A	282*	31AUG05A			744,750.00	100	744,750.00																								
MCWF-051		C1-MTK-casting upgrade	20DEC04A	63*	31MAR05A			146,248.12	100	146,248.12																								
MCWF-061		C1-MTM - machining/inspection	01APR05A	136*	30SEP05A	M		159,560.00	100	159,560.00																								
C-121.1		First MCWF C-1 Delivered		0	30SEP05A			0.00		0.00																								
MCWF-071		C1-Receive at PPPL		0	03OCT05A			0.00		0.00																								
MCWF-081		C2-MTK-casting	01APR05A	66*	27JUN05A			142,920.00	100	142,920.00																								
MCWF-091	X	C2-MTM - machining/inspection	28JUN05A	125*	16DEC05A			169,040.00	100	169,040.00																								
MCWF-101		C2-Receive at PPPL		0	16DEC05A			0.00	100	0.00																								
MCWF-141		C3-MTK-casting	12MAY05A	102*	19SEP05A			142,920.00	100	142,920.00																								
MCWF-151	X	C3-MTM - machining/inspection	20SEP05A	108*	27FEB06A			167,910.00	100	167,910.00																								
MCWF-161		C3-Receive at PPPL		0	27FEB06A			43,000.00		43,000.00																								
MCWF-201	X	C4-MTK-casting	16MAY05A	122*	31OCT05A			142,920.00	100	142,920.00																								
MCWF-211	X	C4-MTM - machining/inspection	31OCT05A	102*	27MAR06A			167,910.00	100	167,910.00																								
MCWF-221		C4-Receive at PPPL		0	27MAR06A			31,190.00		31,190.00																								
MCWF-261	X	C5-MTK-casting	30MAY05A	128*	30NOV05A			142,920.00	100	142,920.00																								
MCWF-271	X	C5-MTM - machining/inspection	01DEC05A	101*	28APR06A			167,910.00	100	167,910.00	48=155 ;																							
MCWF-281		C5-Receive at PPPL		0	28APR06A			34,480.00		34,480.00																								
MCWF-111		A1-MTK-casting	22APR05A	116*	08SEP05A			142,710.00	100	142,710.00																								
MCWF-121	X	A1-MTM - machining/inspection	09SEP05A	108*	26MAY06		139	117,537.00	70	167,910.00	48=155 ;																							
MCWF-131		A1-Receive at PPPL		0	02JUN06*		135	0.00		29,880.00																								
MCWF-171	X	A2-MTK-casting	17AUG05A	91*	23DEC05A			142,710.00	100	142,710.00																								
MCWF-181	X	A2-MTM - machining/inspection	14NOV05A	144*	14JUN06		159	50,373.00	30	167,910.00	48=155 ;																							

Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	Gantt Chart																							
											FY06			FY07			FY08			FY09			FY10											
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
MCWF-191		A2-Receive at PPPL		0	07JUL06*		143	0.00		25,270.00																								
MCWF-351	X	A3-MTK-casting	26SEP05A	84*	31JAN06A			142,710.00	100	142,710.00																								
MCWF-361	X	A3-MTM - machining/inspection	01MAR06A	93*	11JUL06		178	41,977.50	25	167,910.00																								
MCWF-371		A3-Receive at PPPL		0	16AUG06*		152	0.00		20,410.00																								
MCWF-231	X	B1-MTK-casting	16SEP05A	110*	28FEB06A			142,710.00	100	142,710.00																								
MCWF-241	X	B1-MTM - machining/inspection	01MAR06A	113*	08AUG06		176	11,753.70	7	167,910.00																								
MCWF-251		B1-Receive at PPPL		0	20SEP06*		146	0.00		14,660.00																								
MCWF-381	X	A4-MTK-casting	15DEC05A	71*	14MAR06A			142,920.00	100	142,920.00																								
MCWF-391	X	A4-MTM - machining/inspection	14MAR06A	123*	05SEP06		174	41,977.50	25	167,910.00																								
MCWF-401		A4-Receive at PPPL		0	24OCT06*		142	0.00		9,730.00																								
MCWF-321	X	B2-MTK-casting	31JAN06A	64*	28APR06A			142,710.00	100	142,710.00																								
MCWF-331	X	B2-MTM - machining/inspection	28APR06A	110*	03OCT06		184	3,358.20	2	167,910.00																								
MCWF-341		B2-Receive at PPPL		0	29NOV06*		145	0.00		159,450.00																								
MCWF-471	X	B3-MTK-casting	13FEB06A	65*	12MAY06		245	107,190.00	75	142,920.00																								
MCWF-481	X	B3-MTM - machining/inspection	01AUG06*	65*	31OCT06		191	0.00		167,910.00																								
MCWF-491		B3-Receive at PPPL		0	11JAN07*		147	0.00		21,780.00																								
MCWF-501	X	B4-MTK-casting	28MAR06A	39*	19MAY06		259	92,898.00	65	142,920.00																								
MCWF-511	X	B4-MTM - machining/inspection	25AUG06*	65	28NOV06		192	0.00		167,910.00																								
MCWF-521		B4-Receive at PPPL		0	14FEB07*		142	0.00		0.00																								
MCWF-531	X	B5-MTK-casting	13APR06A	41*	09JUN06		272	78,606.00	55	142,920.00																								
MCWF-541	X	B5-MTM - machining/inspection	02OCT06*	65	29DEC06		201	0.00		167,910.00																								
MCWF-551		B5-Receive at PPPL		0	20MAR07*		145	0.00		0.00																								
MCWF-561	X	B6-MTK-casting	28APR06A	44*	29JUN06		274	71,460.00	50	142,920.00																								
MCWF-571	X	B6-MTM - machining/inspection	13OCT06*	65	23JAN07		201	0.00		167,910.00																								
MCWF-581		B6-Receive at PPPL		0	23APR07*		140	0.00		0.00																								
MCWF-411	X	A5-MTK-casting	13JAN06A	45*	29MAR06A			142,920.00	100	142,920.00																								
MCWF-421	X	A5-MTM - machining/inspection	10NOV06*	65	20FEB07		211	0.00		167,910.00																								
MCWF-431		A5-Receive at PPPL		0	25MAY07*		143	0.00		0.00																								
MCWF-441	X	A6-MTK-casting	31JAN06A	64*	20APR06A			142,710.00	100	142,710.00																								
MCWF-451	X	A6-MTM - machining/inspection	12DEC06*	65	20MAR07		210	0.00		155,000.00																								
MCWF-461		A6-Receive at PPPL		0	29JUN07*		138	0.00		0.00																								
MCWF-291	X	C6-MTK-casting	16JUN05A	155*	03FEB06A			142,920.00	100	142,920.00																								
MCWF-301	X	C6-MTM - machining/inspection	03APR06A	261*	17APR07		226	33,582.00	20	167,910.00																								
MCWF-311		C6-Receive at PPPL		0	03AUG07*		150	0.00		0.00																								
C-501B1	X	Last MCWF Delivered		0	03AUG07		539	0.00		0.00																								

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 LAST MODULAR COIL WINDING FORM DELIVERED  
 LEVEL 2 DOE MILESTONE  
 SEPTEMBER 2007  
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**Job: 1451 - Mod Coil Winding-CHRZANOWSKI**

**Station 1 Prep casing & Install Cladding**

C1RW		C1 rework	03OCT05A	5	07OCT05A	1		46,461.00	100	46,461.00												
C2RW		type C h/w rework	01MAY06*	43	29JUN06	1	813	0.00		53,750.40												
1451TRAIN		Training for winding teams	25JUL05A	3	29JUL05A			0.00	100	0.00												
P1-001		Rec C1, Prep & Instl Cladding>>@125% 1 shift	10OCT05A	23	24OCT05A	1		54,727.68	100	54,727.68												
P1-091		Receive C2, Prep & Instl Cladding	19DEC05A	26*	26JAN06A	1		44,303.36	100	44,303.36												

Gantt Chart																						
FY06			FY07			FY08			FY09			FY10										
M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M

Run Date 08JUN06 12:31







Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	Timeline																							
											FY06			FY07			FY08			FY09			FY10											
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
<b>Job: 1414 Coil Testing-Gettelfinger</b>																																		
<b>Twisted Racetrack Hardware Fabrication</b>																																		
1409-141		Modify Cryostat for TRC	01APR05A	107*	31AUG05A			11,923.20	100	11,923.20																								
1406-020	X	Begin Testing of Twisted RT in Coil test Stand	31AUG05A	0				0.00	100	0.00																								
1406-021		Test Coil	10AUG05A	37*	30SEP05A			30,844.24	100	30,844.24																								
1406-023	X	Hi-pot & Dissect Coil	03OCT05A	0*	31OCT05A			26,060.80	100	26,060.80																								
<b>Production Modular Coils</b>																																		
1409-130	X	Production Cryostat Design	26SEP05A	26*	31OCT05A			6,839.71	100	6,839.71																								
1409-135		Production Cryostat Fabr & Install	31JAN06A	71*	28APR06A			35,291.60	100	35,291.60	41=\$10k; em/tb=265																							
1409-136	X	Valve/pump repairs&safety mods to cryo pp sys	01DEC05A	38*	31JAN06A			23,871.20	100	23,871.20																								
162-100		Kickless cable testing	01FEB06A	11*	08MAR06A			0.00	100	0.00																								
P2-021	EC45	Test Coil (Coil Test Stand) A1**SCOPE DELETED**	01MAY06	7	09MAY06			849	0.00	0.00																								
P1-051	EC45	Test Coil (Coil Test Stand) B1**SCOPE DELETED**	01MAY06	7	09MAY06			849	0.00	0.00																								
1409-199		ACC review		0	28APR06*			827	0.00	0.00																								
P1-021	EC45	Set-up and Test Coil C1	01APR06A	49*	09JUN06			827	40,543.52	99,371.41	EM/TB=454,EE/TB=53,EE/SM=76,EE/EM=76,EM/EM=131, m&s=9.7																							
P1-021.2	EC4X	Test Coil C1 etc	01MAY06*	44*	30JUN06			812	0.00	148,631.10	EM/TB=454,EE/TB=53,EE/SM=76,EE/EM=76,EM/EM=131, m&s=9.7																							
FY05CV-19		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			88,000.00		88,000.00																								
<b>Job: 1421-Mod Coil Interface Hardware-WILLIAMSON</b>																																		
<b>Coil-to-coil Interface Design</b>																																		
1403-11.1	EC45	Describe interfaces as part of coil FDR's	01NOV04A	441*	07AUG06			787	34,943.03	90	39,257.84	Hargrove,Lovett,=80 williamson=40																						
1403-16	EC45	Assembly bolts, nuts,washers	01OCT04A	454*	15SEP06			147	13,955.55	60	21,107.48	ornl=80+8 hrs																						
1403-17	EC45	Assembly shims	01OCT04A	454*	15SEP06			147	17,822.57	60	27,552.51	ornl=80+48=128																						
1403-18	EC45	Eccentric ball assembly	08NOV04A	428*	15SEP06			759	21,649.55	60	34,076.06	ornl=80+88=168																						
1403-19	EC45	Top assembly dwgs for mod coil shell	01OCT04A	454*	15SEP06			759	24,009.80	60	37,864.56	ornl=120+72=192																						
1403-19A	EC45	Bladder Details	01JUL05A	268*	15SEP06			147	9,035.64	20	29,602.52	ornl=80+56=136																						
1403-20		3 coil assembly specification	29SEP06*	40	27NOV06			232	0.00	27,491.20	ornl=160																							
1421-10	EC45	add'l analysis of coil to coil joints/friction	01MAY06	22*	31MAY06			834	0.00	13,496.00	ornl=80																							
1421-15	EC45	develop design fix for issue	01MAY06	44*	30JUN06			812	0.00	13,496.00	ornl=80																							
1421-20	EC45	rework type A,B,C design as req'd	01MAY06	53*	14JUL06			803	0.00	13,496.00	ornl=80																							
1421-25	EC45	detailed design of add'l hardware	01MAY06	75*	15AUG06			781	0.00	13,496.00	ornl=80																							
1421-30	EC45	check and promote 6 coil dwgs	01MAY06	103*	25SEP06			753	0.00	26,992.00	ornl=160																							
1421-100		Submet Requisition for - Assy bolts,nuts,washers	18SEP06*	10	29SEP06			147	0.00	2,699.20	williamson=16 hrs																							
1421-105		Procurement lead time for-Assy bolts,nuts,washer	02OCT06	40	28NOV06			147	0.00	0.00																								
1421-110		Deliver - Assy bolts,nuts,washers	29NOV06	84	03APR07			147	0.00	449,000.00	m&s=\$449k																							
1421-200		Submet Requisition for - Assembly shims	18SEP06*	10	29SEP06			147	0.00	2,699.20	williamson=16 hrs																							
1421-205		Procurement lead time for - Assembly shims	02OCT06	40	28NOV06			147	0.00	0.00																								

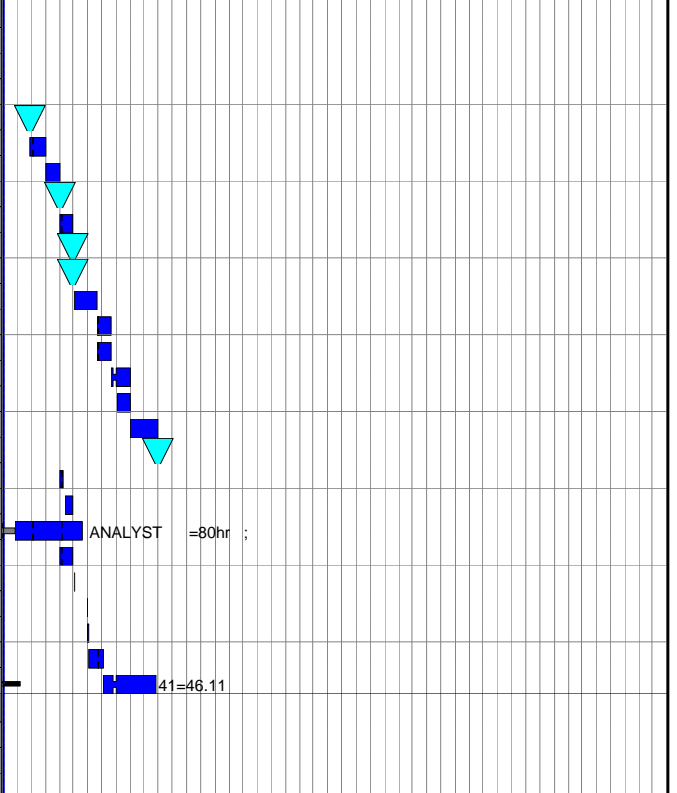




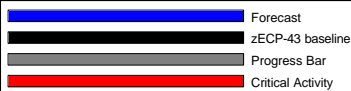


Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	FY06 FY07 FY08 FY09 FY10																								
											FY06		FY07		FY08		FY09		FY10																
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
171-104		Plan WBS 16 interface	22FEB06A	48*				0.00	5	0.00	UNFUNDED EAC= gettelfinger 16, messineo 80																								
151-011		Final Design Cryostat WBS 171	02OCT06*	181*	22JUN07		163	0.00		243,232.28	Gettelfinger =976hr ;Messineo =593hr ;																								
171-199		Cryostat FDR		0	22JUN07		163	0.00		0.00																									
<b>Job: 1751 - Cryostat Procurement</b>																																			
<b>171 - Cryostat</b>																																			
151-031		Title III engr	25JUN07	405	11FEB09		163	0.00		33,266.14	Gettelfinger =34hr ; mes																								
151-036.8		Prep Spec, Solicit bids, and Select Vendor	25JUN07	65	25SEP07		163	0.00		0.00																									
151-036.9		Award Cryostat Procurement		0	01OCT07*		230	0.00		0.00																									
151-037		Cryostat Procurement [A/1]	02OCT07	141	28APR08		230	0.00		507,236.35	41=358.47\$K ; 35=02\$K ;																								
<b>Job: 1752 - Base Support Structure Procurement</b>																																			
<b>172 - Base Support Structure</b>																																			
161-031		Title III engr WBS 172	06SEP06	240	21AUG07		527	0.00		10,620.95	Gettelfinger =60hr ;																								
161-036.8		Prep Spec, Solicit bids, and Select Vendor	06SEP06	65	07DEC06		366	0.00		0.00																									
161-036.9		Award Mach Base&Coil struct as one Procurement		0	26FEB07		315	0.00		0.00																									
161-037		Machine Base&supports Procurement [A/1]	27FEB07	90	03JUL07		315	0.00		220,272.00	41=238\$K ; 35=02\$K ;																								
<b>18 - Field Period Assembly</b>																																			
<b>Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)</b>																																			
<b>Prior Costs</b>																																			
1801-001		Apr-Sept MIE Costs PPPL	01APR03A	42	30SEP03A			7,750.00	100	7,750.00																									
1801-002		Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A			53,050.00	100	53,050.00																									
FY06CV-130	EC45	ECP45 FY06 cv	01OCT05A	251*	30MAR06A			3,890.00	100	3,890.00																									
<b>Job: 1802 - FP Assy Oversight&amp;Support-VIOLA</b>																																			
<b>Oversight and Supervision</b>																																			
181.200		HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04A			61,119.60	LOE	61,119.60																									
181.201		D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A			25,920.40	LOE	25,920.40																									
181.210		HP Coverage in the TFTR TC LOE FY05	01OCT04A	249*	30SEP05A			136,539.00	LOE	136,539.00																									
181.222		HP Coverage in the TFTR TC LOE FY06	01OCT05A	250*	02OCT06		748	83,682.78	LOE	147,328.84	sh/tb=1300 (.75 fte)																								
181.220		HP Coverage in the TFTR TC LOE FY07	02OCT06*	250*	01OCT07		499	0.00		150,543.22	sh/tb=1300 (.75 fte)																								
181.221		HP Coverage in the TFTR TC LOE FY08	01OCT07*	250*	30SEP08		250	0.00		154,583.00	sh/tb=1300 (.75 fte)																								
181.100		PPPL EM LOE FY04	13OCT03A	242*	30SEP04A			77,518.74	LOE	77,518.74																									
181.110		PPPL EM LOE FY05	01OCT04A	249*	30SEP05A			9,625.20	LOE	9,625.20																									
181.2A		Procedure for VV prep	01MAY06*	20	26MAY06		250	0.00		0.00																									
181.2B		Procedure for MC HP subassy	01AUG06*	15	21AUG06		299	0.00		0.00																									
181.2C		Procedure for MC instl on VV	01SEP06*	15	22SEP06		332	0.00		0.00																									
181.2D		Procedure for TF HP sub assy	02OCT06*	15	20OCT06		385	0.00		0.00																									
181.2E		Procedure for Final FP assy	02JAN07*	15	22JAN07		310	0.00		0.00																									
FY05CV-28		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			57,000.00		57,000.00																									
181.120		PPPL EM LOE FY06	01DEC05A	209*	02OCT06		748	61,519.54	LOE	127,369.65	Viola=1178 85% for FY06																								
181.121		PPPL EM LOE FY07	02OCT06*	249*	28SEP07		500	0.00		260,099.10	Viola=1467 (85%)																								
181.120A	EC45	Metrology Engineering Supervision FY06	01MAY06*	107*	29SEP06		749	0.00		37,478.16	Raftopolous=216 25% for balance of FY06																								
181.122		PPPL EM LOE FY08	01OCT07*	186*	30JUN08		314	0.00		200,288.00	Viola=1100(85%)																								
181.120B	EC45	Metrology Engineering Supervision FY07	02OCT06*	249*	28SEP07		500	0.00		76,416.30	Raftopolous=431 25% for FY07																								
FY06CV-135	EC45	ECP45 FY06 cv	01OCT05A	251*	30MAR06A			-14,280.00	100	-14,280.00																									

Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	FY06 FY07 FY08 FY09 FY10																							
											FY06		FY07		FY08		FY09		FY10															
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
<b>Job: 1803- FP Assy Toolg/Constructability-BROWN</b>																																		
<b>1.00-VV Prep Station</b>																																		
1803-1.01		Concept definition and requirements	01FEB05A	10	28FEB05A			16,056.00	100	16,056.00																								
1803-1.02		VV Support Fixture - model design& drawing detai	01FEB05A	73	31MAY05A			13,604.00	100	13,604.00																								
1803-1.04		Metrology -sightline layout metrology support	13APR05A	18	31MAY05A			25,502.00	100	25,502.00																								
1803-1.05		Structural / Seismic Analysis check	01FEB05A	86*	31MAY05A			13,220.00	100	13,220.00																								
1803-1.06		Design review PDR VV Prep Station	01AUG05A	0*	10AUG05A			1,983.00	100	1,983.00																								
1803-1.09		Safety Review documentation / presentation	02SEP05A	10	15SEP05A			2,644.00	100	2,644.00																								
1803-1.061		Design review FDR VV Prep Station	16SEP05A	2	19SEP05A			1,983.00	100	1,983.00																								
1803-1.07		Design check and sign-off	20SEP05A	30*	31OCT05A			3,636.96	100	3,636.96																								
1803-1.10		Fab / Design Review - follow-up activities	20SEP05A	30*	31OCT05A			7,214.11	100	7,214.11																								
1803-1.08		Prep & Issue dwgs,and requisition	31OCT05A	5*	31OCT05A			0.00	100	0.00																								
1803-1.12		PPPL FAB - VV support Fixture (1st)	17OCT05A	77*	31JAN06A			23,307.00	100	23,307.00																								
1803-1.13		PPPL FAB - VV support Fixture (2nd)	16DEC05A	53*	31JAN06A			0.00	100	0.00																								
<b>2.00-Half Period Assembly</b>																																		
1803-2.01		Concept definition and requirements	03JAN05A	52*	28FEB05A			16,056.00	100	16,056.00																								
1803-2.02		MC Holding Fixture - model design and drawing	01FEB05A	79*	29APR05A			21,728.00	100	21,728.00																								
1803-2.04		Metrology - sightline layout design details metr	01AUG05A	77*	30SEP05A			15,209.60	100	15,209.60																								
S2MA-070	EC45	Decision to proceed w/magnetic alignment sys(MAS	30JUN06*	0			149	0.00		0.00																								
S2MA-075	EC45	Finalize design reqmnts	30JUN06	21	31JUL06		149	0.00		0.00																								
S2MA-080	EC45	Final design MAS	01AUG06	23	31AUG06		149	0.00		0.00																								
S2MA-085	EC45	FDR MAS system	01AUG06	0	31AUG06		149	0.00		0.00																								
S2MA-090	EC45	Bid & Award MAS components	01SEP06	20	29SEP06		149	0.00		0.00																								
S2MA-099	EC45	Award contract for MAS procurements		0	29SEP06		149	0.00		0.00																								
S2MA-100	EC45	Award contract for MAS procurements		0	29SEP06		149	0.00		0.00																								
S2MA-103	EC45	Fabricate/Receive system components	02OCT06	36	20NOV06		149	0.00		0.00																								
S2MA-105	EC45	Assemble MAS	21NOV06	20	20DEC06		149	0.00		0.00																								
S2MA-108	EC45	Prepare facility for initial tests	21NOV06	20	20DEC06		149	0.00		0.00																								
S2MA-110	EC45	Calibrate cylinder with loops using MAS	21DEC06	24	31JAN07		149	0.00		0.00																								
S2MA-115	EC45	Prepare Test Cell for using Mag Alignment Sys	04JAN07	20	31JAN07		149	0.00		0.00																								
S2MA-120	EC45	Prototype alignment method using 2 type-C coils	01FEB07	42	30MAR07		149	0.00		0.00																								
S2MA-125	EC45	Start Algnment and assembly of "6-pack" mod coil	02APR07	0			149	0.00		0.00																								
1803-2.055		Update concept definition and reqmnts	01SEP06*	5	08SEP06		157	0.00		0.00																								
1803-2.056		Right side HP support stand	11SEP06*	15	29SEP06		157	0.00	50	0.00																								
1803-2.05		Structural / Seismic Analysis	10APR06A	102	20OCT06		157	3,490.94	25	13,963.77																								
1803-2.072		Machine hole match plate & support	01SEP06*	20	29SEP06		152	0.00		0.00																								
1803-2.06		PDR Half Period Assy	02OCT06*	1	02OCT06		152	0.00		0.00																								
1803-2.061		FDR Half Period Assy	30OCT06*	1	30OCT06		152	0.00		0.00																								
1803-2.08A		Prep & Issue Spec,dwgs,and requisition	31OCT06	3	02NOV06		152	0.00		0.00																								
1803-2.08		Material Procurement Lead Time and Award	03NOV06	20	04DEC06		152	0.00		0.00																								
1803-2.11	EC45	Fab MC HP Assy Fixtures (1)	05DEC06*	75	27MAR07		152	0.00		63,216.81																								
<b>3.00-MC Installation</b>																																		
1803-3.01		Concept definition and requirements	25OCT04A	5	29OCT04A			6,610.00	100	6,610.00																								
1803-3.02		MC Turning Fixture and base - model design and d	15NOV04A	48*	31JAN05A			1,983.00	100	1,983.00																								
1803-3.03		MC Gantry Crane - model design and drawing detai	29NOV04A	40*	31JAN05A			14,265.00	100	14,265.00																								



Run Date 08JUN06 12:31



EC45

NCSX  
ECP-45 BASELINE  
MAY 2006

















Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	FY06					FY07					FY08					FY09					FY10				
											M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M				
0192-6		LOE-FY06 WBS 192	03OCT05A	249*	29SEP06		507	178,114.43	LOE	312,481.45						cole=1600 ornlm&s=\$29.95 35= 5 k																			
0192-6X		LOE-FY07 WBS 192	03OCT06*	242	20SEP07		506	0.00	LOE	158,033.60						cole=667 ornlm&s=\$29.95 35= 5 k																			
0192-7		LOE-FY08 WBS 192	03OCT07*	242	22SEP08		256	0.00	LOE	151,531.40											cole=600 ornlm&s=\$29.95 35= 5 k														
0192-99		LOE-FY09	01OCT08*	130	13APR09		120	0.00	LOE	101,860.00						COLE=400; orn135=3 orn141=\$20k																			
FY05CV-31		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			9,000.00		9,000.00																									
FY06CV-155	EC45	ECP45 FY06 cv	01OCT05A	251*	30MAR06A			2,540.00	100	2,540.00																									

## 2 - Plasma Heating, Fueling & Vac Systems

### 21 - Fueling Systems

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

2001-001		Apr-May MIE Cost	01APR03A	43*	30MAY03A			38,000.00	100	38,000.00																				
2001-100		PDR Support	01JUN03A	164*	30SEP03A			25,667.20	LOE	25,667.20																				
FY06CV-160	EC45	ECP45 FY06 cv	01OCT05A	251*	30MAR06A			-770.00	100	-770.00																				

#### Job: 2101 - Fueling Systems

##### ECP 16 October 2004

21-10		Eng. Work Planning and Design	02JAN07*	65	02APR07		227	0.00		17,730.00						Blanchard =35hr ;														
21-15		Design Gas Handling Hardware	03APR07	65	03JUL07		227	0.00		5,109.00						EM//SM =40hr ;														
21-20		Design PLC Controls	03APR07	65	03JUL07		292	0.00		0.00						EE//SM =80hr ;														
21-25		Electrical Drafting for pumping system	03APR07	65	03JUL07		292	0.00		6,154.72						EA//DM =120hr ;														
21-30		Drafting	03APR07	65	03JUL07		292	0.00		6,154.72						EA//DM =80hr ;														
21-35		Eng. Work Planning and Design during fab	05JUL07	65	04OCT07		292	0.00		3,907.07						Blanchard =20hr ;														
21-40		Fabrication/Install Hardware	05JUL07	65	04OCT07		227	0.00		3,149.20						EM//SM =30hr ;														
21-45		Fabrication/installation	05OCT07	65	16JAN08		227	0.00		15,214.00						EM//SM =75hr ; EM/TB =75hr ;					41=5\$k ;									
21-55		Install PLC Controls	05OCT07	65	16JAN08		227	0.00		0.00						EE//SM =40hr ;														
21-60		Integrated Systems Testing/Eng	05OCT07	65	16JAN08		227	0.00		1,456.64						Blanchard =20hr ;														
21-65		Integrated Systems Testing/Tech Support	17JAN08	45	19MAR08		227	0.00		1,196.19						EE//SM =20hr ;														

### 22 - Torus Vacuum Pumping Systems




#### Job: 2201 - Vacuum Pumping Systems

22-25	EC45	Eng. Work Planning and Design	01MAY07*	40	26JUN07		224	0.00		27,323.50						Blanchard =95hr ; EM//SM =80hr ;														
22-30	EC45	Design PLC based control system *N/R*	27JUN07	50	06SEP07		264	0.00		0.00																				
22-35	EC45	Electrical Drafting for pumping system *N/R*	27JUN07	50	06SEP07		284	0.00		0.00																				
22-40	EC45	Drafting	27JUN07	50	06SEP07		224	0.00		9,350.44						EA//DM =79hr ;														
22-45	EC45	Eng. Work Planning and Design during fab	07SEP07	40	01NOV07		244	0.00		6,846.38						Blanchard =38hr ;														
22-50	EC45	Perform maint. & repair of pmpg sys	07SEP07	40	01NOV07		224	0.00		5,457.59						EM//SM =41hr ;														
22-55	EC45	Repair and Calibration vac instrumentation*N/R*	02NOV07	60	06FEB08		244	0.00		0.00																				
22-60	EC45	Fabrication/installation	02NOV07	80	05MAR08		224	0.00		27,115.20						EM//TB =120hr ;					41=12\$k ;									

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FY06 FY07 FY08 FY09 FY10

Run Date 08JUN06 12:31

	Forecast
	zECP-43 baseline
	Progress Bar
	Critical Activity

EC45

NCSX  
ECP-45 BASELINE  
MAY 2006

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Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	FY06					FY07					FY08					FY09					FY10							
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
22-65	EC45		02NOV07	80	05MAR08		224	0.00		0.00																												
22-70	EC45	Integrated Systems Testing/Eng *N/R*	06MAR08	20	02APR08		224	0.00		0.00																												
22-75	EC45	Integrated Systems Testing/Tech Support*N/R*	06MAR08	20	02APR08		224	0.00		0.00																												

## 25 - Neutral Beam Injection System

### Job: 2501 - Neutral Beam Refurbishment-STEVENSON

FY04 Work Plan										
2501-014		FY04 work accomplished	03NOV03A	227	30JUN04A			81,334.78		81,334.78
2501-014.1		FY04 work closeout *TBD*	01JUL04A	64*	30SEP04A			48,614.06	LOE	48,614.06
Prior Costs										
2501-001		Apr-Sept MIE Cost	01APR03A	43*	30SEP03A			123,000.00	100	123,000.00
Refurbishment**CD-3 deleted scope										
25-099		FY04 work accomplished	01MAR04A	846*	30JUN04A			21,384.62		21,384.62
Re-Install Beamline**CD-3 deleted scope										
25-190.1		33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A			2,060.33		2,060.33
Re-Installed Cables**CD-3 deleted scope										
25-225.1		Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A			4,812.60		4,812.60
25-230.1		Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A			727.68		727.68
Beamline Connections**CD-3 deleted scope										
25-310.1		Drafting Labor Support	01JUN04A	298	30JUN04A			2,433.60		2,433.60
FY06CV-165	EC45	ECP45 FY06 cv	01OCT05A	251*	30MAR06A			650.00	100	650.00

## 3 - Diagnostics

### 31 - Magnetic Diagnostics

#### Job: 3101 Magnetic Diagnostics

Vacuum Vessel Saddle Loops										
3101-105		DEVELOP LOCATING, MOUNTING STRATEGY	01JAN05A	20	31JAN05A			1,000.00	100	1,000.00
3101-109		INTEGRATE LOOP AND LEAD DESIGN WITH H/C	01JAN05A	40	28FEB05A			6,416.80	100	6,416.80
3101-113		INTEGRATE LAYOUT, MEAS NEEDS W/ VSL	01JAN05A	40	28FEB05A			3,208.40	100	3,208.40
3101-117		DEVELOP CONSTRAINTS FOR ARRAY LAYOUT	01JAN05A	20	31JAN05A			0.00	100	0.00
3101-121		LAYOUT CANDIDATE SENSOR ARRAY ON PRO-E	01FEB05A	20	28FEB05A			0.00	100	0.00
3101-125		PDR PREP -VESSEL SADDLE LOOP MOUNTING	02MAY05A	5	31MAY05A			9,483.60	100	9,483.60
3101-126		PEER REVIEW -VESSEL SADDLE LOOP		0	31MAY05A			0.00	100	0.00
3101-129		DESIGN AND PROTOTYPE SADDLE LOOP	01MAR05A	107*	29JUL05A			7,643.52	100	7,643.52
3101-133		Prototype loops on vsI proto segment using ARI	01MAR05A	107*	29JUL05A			6,189.20	100	6,189.20
3101-137		FINAL OPTIMIZATION OF LOOP LOCATION, AREA	01JAN05A	193*	30SEP05A			0.00	100	0.00
3101-149		PREPARE METROLOGY	01JUN05A	87*	31AUG05A			6,416.80	100	6,416.80
3101-145		Procure MI Cable	26SEP05A	68*	23DEC05A			22,182.57	100	22,182.57
3101-139		Develop ProE model of loops, flat dev, fiducials	26SEP05A	147*				19,808.68	95	20,851.24
3101-141		FDR PREP-	01DEC05A	101*				5,205.30	50	10,410.60
3101-142		FDR - VESSEL SADDLE LOOP TEMPLATES		0	16DEC05A			0.00	100	0.00
3101-153		Fab Installation Templates (for FP Assy)	01JAN06A	41*	28FEB06A			2,619.92	100	2,619.92
3101-143		FDR - VESSEL SADDLE LOOP INSTALLATION		0	28APR06*			279	0.00	0.00
3101-154		Fab Installation Templates (for spacers)	01MAY06	5	05MAY06			279	0.00	256.40

;Brown=120  
; LABIK =60hr ;  
; MACHINIST =2hr ;

M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
FY06					FY07					FY08					FY09					FY10														

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Forecast  
zECP-43 baseline  
Progress Bar  
Critical Activity

EC45

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Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complete	ECP-45 Budget Baseline	FY06					FY07					FY08					FY09					FY10															
											M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M																				
																							STRATTON =20hr ; LABIK =20hr ;					STRATTON =10hr ; LABIK =20hr ;					LABIK =40hr ; stratton=20					LABIK =40hr ;					M&S =05\$sk ; LABIK =20hr ;			
3101-505		MOUNTING/LOCATING TECHN MC SHELL SADDLE	03JAN07	20	30JAN07		630	0.00		6,930.20						STRATTON =20hr ; LABIK =20hr ;																														
3101-513		PDR PREP -MC SHELL SADDLE LOOPS	31JAN07*	11	14FEB07		630	0.00		5,238.10						STRATTON =10hr ; LABIK =20hr ;																														
3101-514		PDR-MC SHELL SADDLE LOOPS		0	14FEB07		630	0.00		0.00																																				
3101-521		FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	15FEB07*	8	26FEB07		630	0.00		10,476.20						LABIK =40hr ; stratton=20																														
3101-525		FDR PREP - MC SHELL SADDLE LOOPS	27FEB07	11	13MAR07		630	0.00		7,092.00						LABIK =40hr ;																														
3101-526		FDR - MC SHELL SADDLE LOOPS		0	13MAR07		630	0.00		0.00																																				
3101-529		PROCURE MATERIALS	14MAR07	10	27MAR07		630	0.00		10,401.00						M&S =05\$sk ; LABIK =20hr ;																														
3101-533		INSTALL MC SHELL SADDLE LOOPS	12JAN07*	223*	23NOV07		460	0.00		7,126.30						LABIK =40;																														
3101-537		INSTALL TERMINATIONS	06AUG07	120	01FEB08		147	0.00		8,694.45						LABIK =20hr ; DIAG TECH =60hr ;																														
FY05CV-32			FY05 unrecoverable cost variance		01OCT04A	251	30SEP05A			30,000.00																																				
FY06CV-01			FY06 YTD cost vari (offset by scope reductions)		01OCT05A	251	28FEB06A			83,621.42																																				

**36 - Edge and Divertor Diagnostics**

**Job: 3601 - Edge and Divertor Diagnostics**

361-001	Design Visible Camera sys	04SEP07	40	29OCT07		190	0.00		857.99						R///RM2 =28hr ; EM//EM =40hr ;														
361-015	Fab/Assy/Installation Visible Camera	30OCT07*	130	09MAY08		190	0.00		8,575.80						R///RM2 =98hr ; EM//EM =20hr ;					EM//SM =96hr ; 41=0\$sk ;					use existing camera				

**38 - Electron Beam (EB) Mapping**

**Job: 3801 - Electron Beam Mapping**

380-010	Designe-Beam Probe,Fluor. Screen	12OCT07	40	10DEC07		190	0.00		9,028.15						R///RM2 =70hr ; EM//EM =120hr ;					EA/DM =100hr ;									
380-015	Fab & Install Beam probe	11DEC07*	102	09MAY08		190	0.00		20,610.70						R///RM2 =160hr ; EE//EM =60hr ;					EM//EM =160hr ; EE//SM =80hr ;					em/sm=170;41=42				

**39 - Diagnostics Integration**

**Job: 3901 - Diagnostics sys Integration-JOHNSON**

Prior Costs																															
390-001	LOE Support FY03	01APR03A	151*	30SEP03A					155,450.00	100	155,450.00																				
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A					0.00	100	0.00																				
390-110	Resolve port interferences.Final port config		0	30JUN04A					0.00	100	0.00																				
390-120	Update port map&revise diag port assignments		0	31OCT05A					0.00	100	0.00																				
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	31JAN06A					0.00	100	0.00																				
390-140	Write ICD's-Define external space for diagnostic		0	28APR06*		856			0.00	50	0.00																				
390-150	Write ICD's-Define space f/racks in cntrl rm		0	28APR06*		856			0.00	50	0.00																				
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A					0.00	100	0.00																				
390-170	Develop space envelopes for SXR		0	31JAN06A					0.00	100	0.00																				
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	31OCT05A					0.00	100	0.00																				
390-010	LOE Support FY04	01OCT03A	250*	30SEP04A					65,000.00	LOE	65,000.00																				

FY06					FY07					FY08					FY09					FY10														
M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M

Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days=1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	Gantt Chart																							
											FY06			FY07			FY08			FY09			FY10											
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
390-015		LOE Support FY05 **reduced scope	01OCT04A	249*	30SEP05A			66,357.30	LOE	66,357.30																								
390-020		LOE Support FY06	03OCT05A	249*	29SEP06		749	40,193.57	LOE	70,515.03	R///RM2 =177hr ; EM//EM =0 EA//DM =0 ; r///m3=177																							
FY05CV-33		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-12,000.00		-12,000.00																								

## 4 - Electrical Power Systems

### 41 - AC Power

#### Job: 4101 - AC Power-RAMAKRISHNAN

##### 411 - Auxiliary AC Power Systems

4101-100		Prepare Preliminary One line diagram	01MAR04A	173*	30SEP04A			8,442.00	100	8,442.00												
4101-100.1		Prepare Preliminary One line diagram	06OCT06*	173	18JUN07		572	0.00		1,076.96												
411-1-100	EC45	Ex-Test cell AC pwr-Reactivate& new instl	06OCT06*	241	24SEP07		504	0.00		12,950.93	vankirk=5;raki=12;ee//sm=13 ee//tb=21;M&S=2;Powers=\$3k											
411-2-2		Grounding-Dsn	02OCT06*	86	08FEB07		368	0.00		31,305.04	VANKIRK =160hr ; Raki =72hr ; 41=05\$K ;											
411-2-4		Grounding-Procure	09FEB07*	107	11JUL07		368	0.00		6,855.00	EE//EM =28hr ; EE//SM =56hr ; EE//TB =112hr ; 41=17.5											
411-2-6	EC45	Grounding-Install	10MAY07*	43	11JUL07		368	0.00		45,438.54	EE//EM =24hr ; EE//SM =40hr ; EE//TB =80hr ;											
411-2-8		Grounding-Commission	12JUL07*	29	21AUG07		368	0.00		16,005.68	VANKIRK =20hr ; Raki =8hr ;											
411-3-2		Test Cell AC Power Distr-Dsn	02OCT06*	186	29JUN07		404	0.00		3,741.36												
411-3-2.04		Test Cell AC Power fy04	01APR04A	186*	30SEP04A			73,000.00	100	73,000.00												
411-3-4		Test Cell AC Power Distr-Procure(pnlis & xfmr)	01JUL05A	107*	30NOV06		548	8,956.74	20	44,783.72	41=34\$K ;											
411-3-6		Test Cell AC Power Distr-Install	28SEP06*	358	14SEP07		351	15,394.64	50	30,789.26	EE//EM =40hr ; EE//SM =40hr ; POWERS EE//TB =240hr ;											
411-3-8		Test Cell AC Power Distr-Commission	13JUL07*	45	14SEP07		351	0.00		32,011.36	EE//EM =48hr ; EE//SM =80hr ; EE//TB =160hr ;											
411-4-2		Standby Power for Cryo Sys -Dsn	01MAY06	0	28APR06		856	0.00		0.00												
411-4-4		Standby Power for Cryo Sys -Procure	01MAY06	0	28APR06		856	0.00		0.00												
411-4-6		Standby Power for Cryo Sys -Install	01MAY06	0	28APR06		856	0.00		0.00												
412-1-2		D-site Pulsed AC Power Distr-Dsn	02OCT06*	128	09APR07		234	0.00		11,605.20	VANKIRK =40hr ; Raki =40hr ; 41=05\$K ;											
412-1-4		D-site Pulsed AC Power Distr-Procure	10APR07	125	04OCT07		234	0.00		6,860.44	EE//EM =16hr ; EE//SM =64hr ; EE//TB =80hr ;											
412-1-6		D-site Pulsed AC Power Distr-Install	05OCT07	40	03DEC07		234	0.00		18,215.68	EE//EM =24hr ; EE//SM =24hr ; EE//TB =40hr ;											
412-1-8		D-site Pulsed AC Power Distr-Commission	04DEC07	40	06FEB08		234	0.00		10,866.80												
FY05CV-34		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			2,000.00		2,000.00												

### 43 - DC Systems

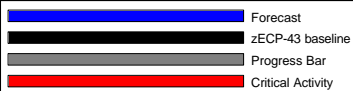
#### Job: 4301 - DC Systems-RAMAKRISHNAN

##### 431 - C-Site DC Systems

431-260		Power loop design	01NOV04A	350*	23DEC05A			111,112.40	100	111,112.40												
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FY06			FY07			FY08			FY09			FY10										
M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M

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EC45

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Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	Gantt Chart																							
											FY06			FY07			FY08			FY09			FY10											
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
431-200		Condition/spare parts inventory	01OCT04A	391*	30JUL07		543	16,945.08	95	17,836.93	Hatcher=24;cropper=120																							
431-210		Organize & verify documentation	01OCT04A	371	31JUL07		542	43,338.49	95	45,619.46	raki=104;cropper=64;nelson=200																							
431-215		Document status	01OCT04A	371	30JUL07		543	5,775.57	90	6,417.30	raki=40																							
431-225	EC45	Reactivate DF & PEI units	01JUL05A	186	30JUL07		543	13,150.74	90	14,611.93	Hatcher=16;cropper=24;wisowaty=80 raki=16																							
431-230	EC45	Load test	01JUL05A	186	27JUL07		544	16,957.18	90	18,841.32	Hatcher=40;mg wisowaty=120 raki=16																							
431-240		Simulate each of 6 pwr loops in PSCAD	02JUL07*	40	27AUG07		523	0.00		19,106.72	Hatcher=80 ee//tb=64																							
431-250		c-site dc sys DGS dsn documentation	02JUL07*	40	27AUG07		523	0.00		7,482.72	raki=16;jones=40																							
431-261	EC45	Redo power loop design	02JUL07*	40	27AUG07		242	0.00		50,392.96	raki=128;jones=240																							
431-265		Fabricate bus components	28AUG07*	55	13NOV07		242	0.00		18,266.74	raki=16;ee//sm=40;ee//tb=120																							
431-275		Power cabling & Installation	14NOV07*	88	27MAR08		242	0.00		220,005.80	raki=40;ee//sm=240;ee//tb=520 powers=90;m&s=7																							
431-276	EC45	Maint of C-site rectifiers	02OCT06*	249	28SEP07		500	0.00		21,357.59	ee//tb=173; 41=\$5k																							
FY05CV-35		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			69,000.00		69,000.00																								

### 44 - Control and protection Systems

#### Job: 4401 - Control & Protection-RAMAKRISHNAN

##### 441 - Electrical Interlocks

441-095		Design Interlock sys	03OCT06*	118	27MAR07		212	0.00		32,679.20	raki=80;vankirk=160											
441-097		Install Interlock sys	28MAR07	119	13SEP07		297	0.00		29,272.00	raki=80;ee//sm=120											
441-100		PLC Specification	28MAR07	85	26JUL07		212	0.00		14,118.32	raki=40;cropper=56											
441-105		Prep Block diagrams	28MAR07	85	26JUL07		212	0.00		17,224.40	raki=40;cropper=80											
441-110		PLC CWD's & Cabling	27JUL07*	85	23NOV07		212	0.00		22,685.24	marsala=40;cropper=120											
441-115		deliver PLC	27JUL07*	85	23NOV07		460	0.00		70,250.00	M&S=50											
441-120		Program PLC Logic	26NOV07	45	07FEB08		415	0.00		23,004.80	lawson=40;cropper=120											
441-125		Program Control pages	26NOV07	97	21APR08		363	0.00		24,097.84	schneider=32;cropper=120;sichta=16											
441-130		Pre-commissioning tests	14SEP07	214	24JUL08		297	0.00		24,377.02	raki=40;cropper=120;M&S=1											
441-135		Install I/O Cabling	26NOV07	248	21NOV08		212	0.00		119,291.33	raki=120;ee//sm=80;Powers=30 k ea//sm=160;ee//tb=160;41=\$8k											

##### 442 - Kirk Key Interlocks

442-1-2		Kirk Keys-Dsn	02OCT06*	41	29NOV06		288	0.00		16,339.60	EA/DM =80hr ; EE/EM =40hr ;											
442-1-4		Kirk Keys-Procure	30NOV06	158	19JUL07		288	0.00		13,710.00	41=10\$K ;											
442-1-6		Kirk Keys-Install	20JUL07	40	14SEP07		288	0.00		44,123.84	EE//EM =16hr ; EE//SM =16hr ; EE//TB =60hr ;											
442-1-8		Kirk Keys-Commission	01OCT07	30	09NOV07		288	0.00		7,202.24	EE//EM =16hr ; EE//SM =20hr ; EE//TB =20hr ;											

##### 443 - Real Time Control Systems

443-1-2		Develop Control Algorithms-Dsn	23APR07*	142	09NOV07		262	0.00		13,819.68	EE//EM =80hr ;											
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##### 444 - Instrument Systems

444-2-2		DC Potential Transducers (DCPTs)-Dsn	02OCT06*	95	21FEB07		454	0.00		11,224.08	EA/DM =60hr ; EE//EM =24hr ;											
444-2-4		DC Potential Transducers (DCPTs)-Procure	22FEB07	109	26JUL07		454	0.00		8,226.00	41=6k ;											
444-2-6		DC Potential Transducers (DCPTs)-Install	27JUL07	51	08OCT07		454	0.00		19,328.29	EE//EM =16hr ; EE//SM =24hr ; EE//TB =160hr ;											

M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M
FY06			FY07			FY08			FY09			FY10																						

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 Forecast  
 zECP-43 baseline  
 Progress Bar  
 Critical Activity

EC45

**NCSX**  
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Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	FY06					FY07					FY08					FY09					FY10					
											M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					
451-6-2		FDR C-Site -Cabling	01SEP05A	143	27AUG07		523	1,693.90	5	33,878.00						VANKIRK =120hr ; Raki =120hr ;																				
451-2-2.1		FDR C-Site	01NOV05A	101	27AUG07		523	685.63	2	34,281.81						VANKIRK =120hr ; Raki =120hr ;																				
451-4-2		FDR AC auxiliaries & grounding-Dsn	02JUL07*	45	04SEP07		518	0.00		11,605.20						VANKIRK =40hr ; Raki =40hr ;																				
451-1-2		Calculations-Dsn	02OCT06*	249	28SEP07		500	0.00		55,913.28						Raki =320hr ; design=8																				
<b>452 - Electrical Systems Support</b>																																				
452-1-2		Diagnostics AC Power Distr-Dsn	03OCT06*	72	22JAN07		190	0.00		89,492.00	EA/DM =640hr ; Raki =80hr ;																									
452-1-4		Diagnostics AC Power Distr-Procure	23JAN07	182	08OCT07		190	0.00		1,372.12	41=01\$K ;																									
452-1-6		Diagnostics AC Power Distr-Install	09OCT07	105	14MAR08		190	0.00		79,841.60	EE//EM =80hr ; EE//SM =80hr ; EE//TB =640hr ;																									
452-1-8		Diagnostics AC Power Distr-Commission	20MAR08	37	09MAY08		190	0.00		31,462.80	EE//EM =40hr ; EE//SM =80hr ; EE//TB =160hr ;																									
452-2-2		Diagnostics sensor cabling-Dsn	03OCT06*	61	05JAN07		238	0.00		25,808.40	EA/DM =160hr ; Raki =40hr ;																									
452-2-4		Diagnostics sensor cabling-Procure	08JAN07	185	26SEP07		238	0.00		2,742.00	41=02\$K ;																									
452-2-6		Diagnostics sensor cabling-Install	27SEP07	65	08JAN08		238	0.00		22,242.90	EE//EM =24hr ; EE//SM =32hr ; EE//TB =160hr ;																									
452-2-8		Diagnostics sensor cabling-Commission	09JAN08	40	04MAR08		238	0.00		6,292.56	EE//EM =08hr ; EE//SM =16hr ; EE//TB =32hr ;																									
<b>453 - System Testing (PTP's)</b>																																				
453-1-2		New Procedures	06OCT06*	90	20FEB07		343	0.00		69,631.20	EA/DM =240hr ; EE//EM =240hr ;																									
453-1-4		Preop Testing-Procure test equipt	21FEB07*	160	05OCT07		343	0.00		34,301.56	41=25\$K ;																									
453-1-8		Testing PTPs, ISTPs	19OCT07*	100	19MAR08		234	0.00		213,785.76	EE//SM =240hr ; EE//TB =376hr ; ee//em=768 ; 4																									
FY05CV-37		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-52,000.00		-52,000.00																										
<b>46 - FCPC Building Modifications</b>																																				
<b>Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN</b>																																				
<b>Prior Costs</b>																																				
4601-001		Apr-Sept MIE Cost	01APR03A	43	30SEP03A			1,300.00	100	1,300.00																										
<b>5 - Central I&amp;C Systems</b>																																				
<b>51 - TCP/IP Infrastructure Systems</b>																																				
<b>Job: 5101 - TCP/IP Infrastructure Systems</b>																																				
51-10	EC45	Preliminary Design (Title I)	01OCT07*	45	04DEC07		227	0.00		4,695.30	EC//EM =30hr ;																									
51-20	EC45	Final Network Design (Title II)	05DEC07	20	10JAN08		227	0.00		4,695.30	EC//EM =30hr ;																									
51-30	EC45	Installation, Testing, Documentation (Title III)	11JAN08	120	27JUN08		227	0.00		141,455.60	EA/DM =110hr ; EC//EM =100hr ; EE//tb =490hr ; 41=50\$K ;																									
<b>52 - Central Instrumentation &amp; Control</b>																																				
<b>5201 - I&amp;C Systems</b>																																				
52-10	EC45	Preliminary Design (Title I)	04SEP07*	45	05NOV07		164	0.00		6,191.16	EC//EM =40hr ;																									
52-20	EC45	Final Design (Title II)	06NOV07	87	18MAR08		164	0.00		6,260.40	EC//EM =40hr ;																									
52-30	EC45	Installation, Testing, Documentation (Title III)	19MAR08	135	26SEP08		164	0.00		125,608.00	EC//tb=240hr ; EC//EM =320hr ; 41=40\$K ;																									
												M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M					M J J A S O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M				
												FY06					FY07					FY08					FY09					FY10				
<b>Run Date 08JUN06 12:31</b>												Forecast					zECP-43 baseline					Progress Bar					Critical Activity									
© Primavera Systems, Inc.												EC45					NCSX					ECP-45 BASELINE					MAY 2006					Sheet 41 of 51				



Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	Timeline																							
											FY06			FY07			FY08			FY09			FY10											
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A

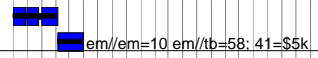
## 6 - Facility Systems

### 61 - Water Systems

#### Job:6101 - Water Systems

##### 613 - Vacuum Pumping System

623.011	EC45	Design WBS 612 **N/R**	01NOV07*	59	04FEB08		214	0.00		0.00
632.021	EC45	WBS 612 Assembly/Fabrication/Installation	05FEB08	40	31MAR08		214	0.00		13,802.48

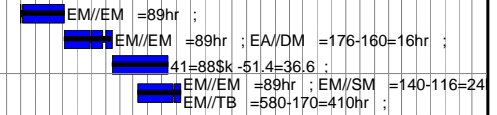


### 62 - Cryogenic Systems

#### Job: 6201 - Cryogenic Systems

##### 621 - LN2-LHe Supply System

631-001		Preliminary Design	02JUL07*	65	02OCT07		240	0.00		15,792.79
631-010		Final Design**reduced scope	03OCT07	65	14JAN08		240	0.00		18,149.92
631-020		Procurement **reduced scope	15JAN08	88	15MAY08		240	0.00		123,078.00
631-015		Fab/Assy/Installation**reduced scope	11MAR08	65	10JUN08		240	0.00		71,991.50

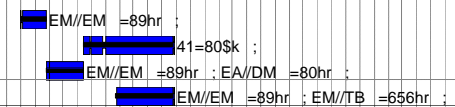


##### 622 - LN2 Coil Cooling Supply

632-001		**deleted scope	01MAY06	0	28APR06		856	0.00		0.00
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##### 623 - GN2 Cryostat Cooling System

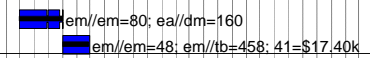
633-001		Preliminary Design	02JUL07*	40	27AUG07		250	0.00		15,779.70
633-020		Procurement	14NOV07	130	27MAY08		250	0.00		112,329.75
633-010		Final Design	28AUG07	55	13NOV07		250	0.00		25,644.50
633-015		Fab/Assy/Installation	24JAN08	88	27MAY08		250	0.00		72,266.88



### 63 - Utility Systems

#### Job: 6301 - Utility Systems

640.011		Design GN2, Air & Vent Systems	01OCT07*	59	02JAN08		249	0.00		34,014.40
640.021		Assembly/Fabrication	03JAN08	40	27FEB08		249	0.00		72,889.52



### 64 - PFC/VV Heating & Cooling\*ELIMINATED\*

#### Job: 6401 - PFC/VV Heating & Cooling

650.001		Eliminated scope	01MAY06	0	28APR06		856	0.00		0.00
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### 65 - Facility Systems Integration

#### Job: 6163 - Facility Systems Support FY04

65-03		LOE WBS 6	01OCT03A	250*	30SEP04A			15,000.00	LOE	15,000.00
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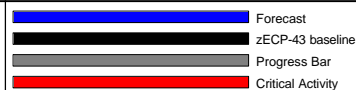
#### Job: 6501 - Facility Systems Integration-DUDEK

##### Prior Costs

6501-001		Apr-Sept MIE Cost PPPL	01APR03A	0	30SEP03A			9,380.00	100	9,380.00
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Timeline																						
FY06			FY07			FY08			FY09			FY10										
M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M

Run Date 08JUN06 12:31



EC45

NCSX  
ECP-45 BASELINE  
MAY 2006

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Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline																								
											FY06			FY07			FY08			FY09			FY10											
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
<b>Prior Costs</b>																																		
810.001		Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			387,340.00	100	387,340.00																								
810.003		Project Management Office PPPL FY05	01OCT04A	251*	30SEP05A			696,116.95	LOE	696,116.95																								
810.004		Project Management Office PPPL FY06	03OCT05A	249*	29SEP06		749	361,746.35	LOE	634,642.72	hutch=1503 85% ; 41=06\$ ; 35=08\$ ; strykowsky=1592 90% ; pam=312 15% ; phil=0%																							
810.005		Project Management Office PPPL FY07	02OCT06*	249*	28SEP07		500	0.00		640,879.96	hutch=1503 85% ; strykowsky=1592 90% ; pam=416 40%																							
810.900		Project Management Office PPPL FY08	01OCT07*	250*	30SEP08		250	0.00		554,496.26	hutch=1238 70% ; strykowsky=1326 75% ; pam=624 3																							
810.909		Project Management Office PPPL FY09	01OCT08*	163*	29MAY09		87	0.00		84,463.70	hutch=190 11% ; strykowsky=190 11% ; ; 35=1																							
FY05CV-41		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-3,000.00		-3,000.00																								

**Job: 8102 - NCSX MIE Management ORNL-LYON**

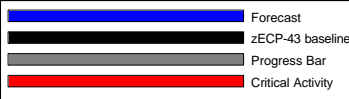
<b>FY04 Actual Cost</b>																						
810.102		Project Management Office ORNL FY04	01OCT03A	256*	30SEP04A			88,000.00	LOE	88,000.00												
<b>Prior Costs</b>																						
810.101		Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A			58,600.00	100	58,600.00												
810.103		Project Management Office ORNL FY05	01OCT04A	251*	30SEP05A			95,368.98	LOE	95,368.98												
810.104		Project Management Office ORNL FY06	01OCT05A	249*	29SEP06		500	98,958.07	LOE	173,610.65	ORNLRM =850hr Lyon 50% ; ORNL41 =2\$ ornlam=95 Admin 5%											
810.104X		Project Management Office ORNL FY07	02OCT06	249*	28SEP07		500	0.00		66,152.50	ORNLRM =530hr 30% ; ORNL41 =2\$											
810.105X		Project Management Office ORNL FY08	02OCT07*	248*	29SEP08		251	0.00		36,664.00	ORNLRM =180hr 10% ; ORNL41 =2\$ ornlam=88 5%											
FY05CV-42		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			13,000.00		13,000.00												

**82 - Project Engineering**

**Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN**

<b>FY04 Actual Cost</b>																						
820.002		LOE FY04	01OCT03A	256*	30SEP04A			601,555.68	LOE	601,555.68												
820-ECP16		ecp16	01OCT03A	256*	30SEP04A			68,000.00	LOE	68,000.00												
<b>Prior Costs</b>																						
820.110		Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			295,530.00	100	295,530.00												
820.003		Proj engr FY05	01OCT04A	251*	30SEP05A			469,631.02	LOE	469,631.02												

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FY06								FY07								FY08								FY09								FY10							







Activity ID	revised	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent complet	ECP-45 Budget Baseline	Timeline																							
											FY06			FY07			FY08			FY09			FY10											
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
8204FY06.1	EC45	Systems Analysis FY06	01MAY06*	44*	30JUN06		812	0.00	LOE	75,019.86	[redacted] fan=431																							
8204FY06.2	EC4X	Systems Analysis FY06	01MAY06*	107*	29SEP06		749	0.00	LOE	26,074.19	[redacted] brooks add'l 25%																							
8204FY07	EC45	Systems Analysis FY07	02OCT06*	122*	30MAR07		627	0.00	LOE	76,657.66	[redacted] brooks=431 40% half year																							
FY05CV-46		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			9,000.00		9,000.00																								
<b>Job: 8205 - Dimensional Control Coordination</b>																																		
<b>Metrology</b>																																		
740.135		Gary Puhl subcontract for metrology support	30SEP05A	77	30SEP05A			12,810.00		12,810.00																								
METFY05		Dimensional control FY05 ECP24	01FEB05A	172*	30SEP05A			96,648.84	LOE	96,648.84																								
FY05CV-47		FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-20,000.00		-20,000.00																								
METFY06R		Metrology for FP & machine assy FY06	03OCT05A	249*	29SEP06		749	107,905.00	LOE	189,307.03	[redacted] raftoplous (measurement) 25%=415hrs stratton=707 hrs 40%																							
METFY07R		Metrology for FP & machine assy FY07	03OCT06*	249*	01OCT07		499	0.00		132,492.61	[redacted] raftoplous (measurement) 25%=415hrs																							
METFY08R	EC45	Metrology for FP & machine assy FY08	03OCT07*	247*	29SEP08		251	0.00		75,799.75	[redacted] raftoplous (measurement) 25%=415																							
<b>84 - Project Physics</b>																																		
<b>Job: 8401 - Project Physcis-ZARNSTORFF</b>																																		
<b>FY04 Actual Cost</b>																																		
840.202		Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A			99,806.20	LOE	99,806.20																								
840.203		Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A			14,000.00	LOE	14,000.00																								
<b>Prior Costs</b>																																		
840.201		Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			210,270.00	100	210,270.00																								
FY06CV-235	EC45	ECP45 FY06 cv	01OCT05A	251*	30MAR06A			530.00	100	530.00																								
<b>Job: 8402 - Project Physics MIE ORNL-LYON</b>																																		
<b>FY04 Actual Cost</b>																																		
840.302		Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A			60,876.00	LOE	60,876.00																								
840.303		Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A			44,000.00	LOE	44,000.00																								
<b>Prior Costs</b>																																		
840.301		Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A			40,980.00	100	40,980.00																								
FY06CV-240	EC45	ECP45 FY06 cv	01OCT05A	251*	30MAR06A			610.00	100	610.00																								
<b>85 - Integrated Systems Testing</b>																																		
<b>Job: 8501 - Integrated Systems Testing</b>																																		
920.001	EC45	Procedure and Document Preparation	27NOV07	250	26NOV08		121	0.00		371,980.70	[redacted] em//em=1162;em//sm=1162																							
920.000	EC45	Startup Personnel	21OCT08	72	10FEB09		121	0.00		435,467.96	[redacted] em//sm=855, ee//sm=0, em//tb=125 r///rm2=428;ee//tb=250																							

Timeline																						
FY06			FY07			FY08			FY09			FY10										
M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M

