

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY					
												FY06	FY07	FY08	FY09	FY10	
<b>cc 9450 - NCSX Fabrication (MIE)</b>																	
<b>1 - Stellarator Core Systems</b>																	
<b>+ 11 - In-Vessel Components</b>																	
		15JUL03A	78	30SEP03A	30SEP03A	0			100	60.00	60.00						
<b>12 - Vacuum Vessel Systems</b>																	
<b>+ Job: 1201 - Vacuum Vessel Prelim Dsn-**CLOSED**</b>																	
		01APR03A	133	07OCT03A	07OCT03A	0			100	424,420.00	424,420.00						
<b>+ Job: 1202 - Vacuum Vessel R&amp;D **CLOSED**</b>																	
		01APR03A	636	30SEP05A	30SEP05A	0			100	1,770,181.86	1,770,181.86						
<b>+ Job: 1206 - VV Field Weld Joint R&amp;D-**CLOSED**</b>																	
		29APR04A	359	30SEP05A	30SEP05A	0			100	15,639.37	15,639.37						
<b>Job: 1203 - Vacuum Vessel Final Dsn-GORANSON</b>																	
<b>+ Closeout PDR Design Deliverables</b>																	
		01OCT03A	235	31AUG04A	31AUG04A	0			100	34,746.30	34,746.30						
<b>+ PDR Recommendations</b>																	
		01NOV03A	42	31DEC03A	31DEC03A	0			100	25,738.00	25,738.00						
<b>+ Vacuum Vessel Vendor Selection</b>																	
		01JUN04A	86	30SEP04A	30SEP04A	0			100	5,782.20	5,782.20						
<b>+ FY05 Final Design Tasks</b>																	
		01OCT03A	507	30SEP05A	30SEP05A	0			100	744,133.94	744,133.94						
<b>Final Design Tasks</b>																	
1203-241	Check FMECA Analyses	01SEP05A	80*	23DEC05	01NOV05	-36	957	80		8,024.04	10,030.05					ORNL=40hr ; EA/EM =20hr ;	
1203-271	Develop Assy Rqmnts spec & process	01DEC05*	17*	23DEC05	08DEC05	-11	279	10		3,374.00	33,740.00					ornlem=200	
1203-800	Issue VV FP leak check assy dwg	22SEP05A	59*	15DEC05	15DEC05	0	390	90		6,014.68	6,682.98					ORNL=40hr ;	
1203-801	Issue VV FP final assy dwg	01NOV05A	37*	23DEC05	15DEC05	-6	384	75		5,061.00	6,748.00					ORNL=40hr ;	
1203-802A	Analysis of SXR cans and spacer	01DEC05	12*	16DEC05		0	384			0.00	0.00						
1203-802	Issue spacer machining dwgs	01DEC05*	31	20JAN06	15DEC05	-20	370			0.00	6,748.00					ORNL=40hr ;	
1203-803	Issue VV final assy dwg	01DEC05*	12*	16DEC05	15DEC05	-1	284			0.00	6,748.00					ORNL=40hr ;	
1203-804	Issue VV assy specification	01DEC05*	58*	28FEB06	15DEC05	-47	238			0.00	6,748.00					ORNL=40hr ;	
1203-806	Establish interface reqmnts	01NOV05A	78*	28FEB06	15DEC05	-47	916	20		2,024.40	10,122.00					ORNL=60hr ;	
1203-820	BOM for all VV parts	03OCT05A	99*	28FEB06	15DEC05	-47	916	50		2,530.50	5,061.00					ORNL=30hr ;	
1203-901	**WBS 12 FINAL FDR **		0	28FEB06	15DEC05	-47	343			0.00	0.00						
<b>VV Personnel Access Port</b>																	
1203-950	Personnel Access Port Drawings	01OCT05A	41*	30NOV05A	17NOV05	-7			100	0.00	0.00						
1203-951	Personnel Access Port Analysis	01NOV05A	20*	30NOV05A	17NOV05	-7			100	0.00	0.00						
12003-952	Personnel Access Port FDR		0	30NOV05A	17NOV05	-7			100	1,349.60	1,349.60					ornlem=8	
<b>VV Heating/Cooling Tubing</b>																	
1203-805	Redo CC heating/cooling tube dwgs& analysis	01OCT05A	57*	22DEC05	15DEC05	-5	301	90		18,219.60	20,244.00					ornlem=120	
1203-805A	Test Thermal conductivity of braided tube dsn	01DEC05	16*	22DEC05		0	958			0.00	0.00						
1203-805F	Heating/cooling tube FDR	23DEC05	1	23DEC05	15DEC05	-6	957			0.00	1,349.60						
<b>VV Heater Tape</b>																	
122-012	Heater Tape Layout Design	02MAY05A	164*	21DEC05	15NOV05	-24	386	90		56,287.69	62,541.88					ea//em=87; ornlem=300	
122-013	Heater Tape System Design incl controllers	01DEC05	15*	21DEC05		0	958			0.00	0.00						
122-013A	Heater Tape System FDR	22DEC05	1*	22DEC05		0	958			0.00	1,349.60					ornlem=8	

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												FY06	FY07	FY08	FY09	FY10	
<b>VV Local I&amp;C</b>																	
125-011	Final design WBS 125 local I&C	01MAR05A	247	22FEB06	22FEB06	0	347		80*	11,539.38	14,424.23						
125-011P	PDR (define reqmnts & sys architecture)	18JAN06	1	18JAN06*	18JAN06*	0	945			0.00	1,349.60						
125-011F	FDR (Define HW & SW reqmnts)	23FEB06	1	23FEB06*	22FEB06*	-1	919			0.00	1,349.60						
<b>Thermal Insulation</b>																	
122-011	Final design WBS 122 Thermal insulation	01JUN04A	416*	31JAN06	31JAN06	0	220		85	69,895.93	82,230.51						
122-011F	FDR Thermal Insulation	01FEB06	1	01FEB06	31JAN06	-1	220			0.00	1,349.60						
<b>SRX Diagnostic VV Design</b>																	
1203-810	resolve design pockets for soft x ray arrays	01DEC05*	50*	16FEB06	16FEB06	0	924			0.00	6,748.00						
1203-810P	soft x ray array PDR	19JAN06	1	19JAN06*	19JAN06*	0	944			0.00	1,349.60						
1203-810F	soft x ray array FDR	16FEB06	1	16FEB06*	16FEB06*	0	924			0.00	1,349.60						
<b>Job:1204-VV Sys Procurements (non VVSA)-DUDEK</b>																	
<b>VV Vertical Supports</b>																	
124-030.0	Release dwg package for fab VV Vertical	30SEP05A	0			0				0.00	0.00						
124-037A	Bid award Titanium Rod ends (Req 403518)	01DEC05*	45	09FEB06		0	387			0.00	0.00						
124-037B	Deliver Titanium Rod ends (Req 403518)	10FEB06	60	04MAY06		0	387			0.00	0.00						
124-037C	Deliver Misc hardware (PE 006209)	01DEC05*	60	02MAR06		0	372			0.00	0.00						
124-037	PPPL Fab VV Vert. Supports (log # M1091)	03JUL06*	60	25SEP06	25SEP06	0	287			0.00	62,545.92						
<b>VV Lateral Supports</b>																	
124-030L	SPEA VV Lateral Supports WBS 124	03JUL06*	43	31AUG06	31AUG06	0	244			0.00	0.00						
124-036.9L	Award VV Lateral Supports WBS 124		0	02OCT06*	02OCT06*	0	222			0.00	0.00						
124-037L	VV Lateral Supports Fab by PPPL WBS 124	03OCT06	60	04JAN07	04JAN07	0	222			0.00	33,288.00						
<b>VV Personnel Access Port</b>																	
124-100	Issue req & dwg package NB port cover	02AUG06*	0			0	223			0.00	0.00						
124-110	SPEA VV NB port cover	02AUG06	43	29SEP06	29SEP06	0	223			0.00	0.00						
124-120	Award VV NB port cover		0	29SEP06	29SEP06	0	223			0.00	0.00						
124-130	VV NB port cover Fabrication	02OCT06	65	10JAN07	10JAN07	0	223			0.00	73,924.32						
<b>VV Heating/Cooling Tubing</b>																	
123-030.0	Issue Proc Pkg for VV H/C Tubing WBS 123	23DEC05*	0			-5	366			0.00	0.00						
123-030	Issue RFQ & Select Vendor VV H/C Tubing	23DEC05	20	27JAN06	20JAN06	-5	366			0.00	0.00						
123-036.9	Award H/C Tubing WBS 123		0	27JAN06	20JAN06	-5	366			0.00	0.00						
123-037	Fabricate and Deliver H/C Tubing WBS 123	30JAN06	20	24FEB06	17FEB06	-5	366			0.00	61,695.00						
<b>VV Heater Tape</b>																	
122-012A	Issue Proc Pkg for VV Heater Tape	22DEC05	0			-24	397			0.00	0.00						
122-012B	Issue RFQ & Select Vendor for Heater Tape	22DEC05	40	23FEB06	20JAN06	-24	397			0.00	0.00						
122-012C	Award Heater Tape		0	23FEB06	20JAN06	-24	397			0.00	0.00						
122-012D	Fabricate and Deliver Heater Tape	24FEB06	65	25MAY06	21APR06	-24	397			0.00	0.00						
<b>VV H/C Manifolds &amp; Headers</b>																	
123-130.0	Issue Proc Pkg for VV H/C Manifolds WBS	23DEC05	0			-5	301			0.00	0.00						
123-130	Issue RFQ & Select Vendor VV H/C Manifold	23DEC05	40	24FEB06	17FEB06	-5	301			0.00	0.00						
123-136.9	Award H/C Manifolds WBS 123		0	24FEB06	17FEB06	-5	301			0.00	0.00						
123-137	Fabricate and Deliver H/C Manifolds WBS 123	27FEB06	65	26MAY06	19MAY06	-5	301			0.00	34,275.00						
<b>VV Local I&amp;C</b>																	
125-036	Issue Procurement Package Local I&C WBS	01MAR06*	0			-4	343			0.00	0.00						

Run Date 12DEC05 16:11

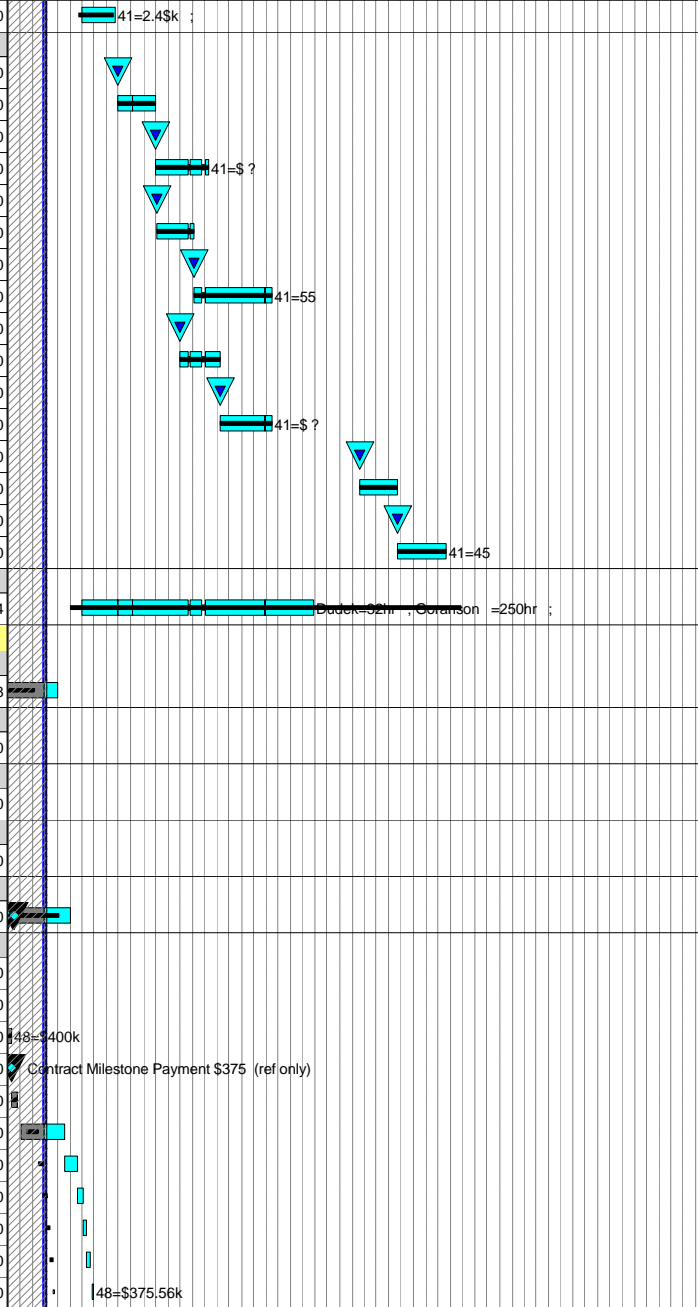


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NCSX  
Status through December 1st  
ECP-39 Baseline

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Fiscal Year						
												FY06	FY07	FY08	FY09	FY10		
125-037	Procurement Local I&C WBS 125	01MAR06	60	23MAY06	17MAY06	-4	343			0.00	3,290.40							
<b>Thermal Insulation</b>																		
122-050	Prep spec and req Blanket Thermal Insulation	30MAY06*	0			0	138			0.00	0.00							
122-055	SPEA Blanket Thermal Insulation	30MAY06	65	29AUG06	29AUG06	0	138			0.00	0.00							
122-060	Award Blanket Thermal Insulation		0	29AUG06	29AUG06	0	138			0.00	0.00							
122-065	Deliver Blanket Thermal Insulation	30AUG06	89	11JAN07	11JAN07	0	138			0.00	0.00							
123-035	Issue Proc Pkg for insulation boots WBS 122	04SEP06*	0			0	133			0.00	0.00							
123-040	Issue RFQ & Select Vendor insul boots WBS	04SEP06	65	05DEC06	05DEC06	0	133			0.00	0.00							
123-045	Award Insulation Boots WBS 122		0	05DEC06	05DEC06	0	133			0.00	0.00							
123-050	Fabricate& Deliver Insul Boots WBS 122	06DEC06	130	14JUN07	14JUN07	0	133			0.00	75,405.00							
122-040	Prep spec and req Port Thermal Insulation	31OCT06*	0			0	133			0.00	0.00							
122-035	SPEA Port Thermal Insulation	31OCT06	65	08FEB07	08FEB07	0	133			0.00	0.00							
122-041	Award Port Thermal Insulation		0	08FEB07	08FEB07	0	133			0.00	0.00							
122-051	Deliver Port Thermal Insulation	09FEB07	89	14JUN07	14JUN07	0	133			0.00	0.00							
122-030.0	Prep spec and req Pourable Insulation	22JAN08*	0			0	123			0.00	0.00							
122-030	SPEA Pourable Insulation	22JAN08	65	21APR08	21APR08	0	123			0.00	0.00							
122-036.9	Award Pourable Insulation		0	21APR08	21APR08	0	123			0.00	0.00							
122-037	Deliver Pourable Insulation	22APR08	89	22AUG08	22AUG08	0	123			0.00	63,225.00							
122-031	Title Ill engr WBS 12 non vwsa	01MAR06*	402*	28SEP07	26SEP08	251	514			0.00	48,302.54							
<b>Job: 1250 - Vacuum Vessel Fabrication-VIOLA</b>																		
<b>+ Start Up/Engineering</b>																		
		24SEP04A	326	30DEC05	04NOV05	-40	969			256,750.78	256,750.78							
<b>+ Dies &amp; Gages</b>																		
		20SEP04A	185	10JUN05A	10JUN05A	0		100		655,640.00	655,640.00							
<b>+ Fixture (2) 60 degree</b>																		
		25OCT04A	169	23JUN05A	23JUN05A	0		100		0.00	0.00							
<b>+ Fixture (3) 120 degree</b>																		
		15APR05A	76	29JUL05A	29JUL05A	0		100		220,000.00	220,000.00							
<b>+ Panels &amp; Ports</b>																		
		29OCT04A	322	30JAN06	04JAN06	-18	502			1,211,490.00	1,211,490.00							
<b>First 120 deg segment</b>																		
VVSA-301	1st 60 deg segment	10JUN05A	59*	12AUG05A	12AUG05A	0		100		175,000.00	175,000.00							
VVSA-311	2nd 60 deg segment	23JUN05A	50*	15AUG05A	15AUG05A	0		100		175,000.00	175,000.00							
VVSA-321	Join two pieces	15AUG05A	35	08SEP05A	08SEP05A	0		100		50,000.00	50,000.00							
121-135	S005243 #8-One VVSA fabricated		0	08SEP05A	08SEP05A	0		100		0.00	0.00							
VVSA-331	Machine for Ports	08SEP05A	0*	23SEP05A	23SEP05A	0		100		95,000.00	95,000.00							
VVSA-341	Weld Ports	03OCT05A	77*	17JAN06	14NOV05	-46	226	62		46,500.00	75,000.00							
VVSA-361	Vacuum Test	18JAN06	23*	17FEB06	23NOV05	-62	226			0.00	60,000.00							
VVSA-371	Cut Off Ports	20FEB06*	11*	06MAR06	05DEC05	-65	226			0.00	50,000.00							
VVSA-351	Final Machine	07MAR06*	5*	13MAR06	13DEC05	-64	226			0.00	50,000.00							
VVSA-381	Inspect & Pack for Shipping LI#4	14MAR06*	9*	24MAR06	20DEC05	-68	226			0.00	23,000.00							
VVSA-391	Receive at PPPL	27MAR06	3	29MAR06	23DEC05	-68	226			0.00	22,560.00							





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												FY06	FY07	FY08	FY09	FY10					
121-035.2	ORNL design support during MTM Contract	01OCT05A	79*	31JAN06	31JAN06	0	936	LOE		11,479.71	22,118.90										
121-036	Ship vac equip from PPPL to MTM for vac	03OCT05A	15	31OCT05A	14NOV05	10			100	2,742.00	2,742.00										
121-037	Purchase seals and ship to MTM	25APR05A	70*	29JUL05A	29JUL05A	0			100	42,447.20	42,447.20										
121-038	assist MTM testing of VVSA	18JAN06	107*	16JUN06	08FEB06	-91	371			0.00	0.00										
121-039	Design Seal Template	01MAR05A	20	31MAR05A	31MAR05A	0			100	2,480.00	2,480.00										
121-141	Fabricate Seal Template and ship to MTM	01MAR05A	65	31MAR05A	31MAR05A	0			100	4,240.11	4,240.11										
FY05CV-4	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				-49,000.00	-49,000.00										
<b>13 - Conventional Coils</b>																					
<b>Job: 1301 - TF Design-KALISH</b>																					
<b>+ Preliminary Design</b>																					
		01OCT03A	355	28FEB05A	28FEB05A	0			100	471,974.00	471,974.00										
<b>+ Final Design</b>																					
		01FEB05A	172	30SEP05A	30SEP05A	0			100	164,053.52	164,053.52										
<b>+ Prior Costs</b>																					
		01APR03A	636	30SEP05A	30SEP05A	0			100	283,695.13	283,695.13										
<b>Final Design Closeout</b>																					
1301FD-05	Analysis Check	01MAR05A	210*	23DEC05	01NOV05	-36	957	90		24,146.39	26,829.32										
1301R-37	Prepare Coil Spec	01MAR05A	231*	31JAN06	01NOV05	-57	285	85		0.00	0.00										
1301FD-84	TF Coil Fabrication & assy package approved	01FEB06	5	07FEB06	08NOV05	-57	284			0.00	0.00										
<b>Job: 1350 TF Coil Fab Preparation-CHRZANOWSKI</b>																					
1350-100	Design tooling & winding facility	01MAR05A	152*	31AUG05A	31AUG05A	0		100		96,961.10	96,961.10										
1350-500	Recondition turnng fixture	21MAR05A	88*	30JUN05A	30JUN05A	0		100		33,232.20	33,232.20										
1350-605	Install winding table	01JUN05A	50*	30JUN05A	30JUN05A	0		100		24,655.80	24,655.80										
1350-610	Setup copper delivery system	03OCT05A	15	31OCT05A	21NOV05	15		100		11,240.32	11,240.32										
1350-615	Install taping machine	01OCT05A	15	31OCT05A	21NOV05	15		100		11,240.32	11,240.32										
1350-100.1	Design tooling & winding facility	01SEP05A	100*	30JAN06	31OCT05	-57	290	90		45,552.81	50,614.24										
1350-505	Winding Clamps	02MAY05A	167*	03JAN06	01NOV05	-37	320	85		18,511.22	21,777.91										
1350-600	Build Cleanroom	28MAR05A	174*	30NOV05A	14OCT05	-31		100		45,265.84	45,265.84										
1350-510	Taping Machine Conditioning	16DEC05*	6*	23DEC05	22DEC05	-1	321	60		18,732.36	31,220.60										
1350-515	Winding mandrel	01JUL05A	93*	23DEC05	23DEC05	0	321	30		9,671.07	32,236.90										
1350-520	Misc tools & equip	08SEP05A	69*	15DEC05	15DEC05	0	327	70		31,923.79	45,605.41										
1351-089	Fab Lift Fixture	03OCT05A	28*	23DEC05	23DEC05	0	321	40		4,690.94	11,727.36										
1350-620	Complete setup of facility		0	03JAN06*	23DEC05*	-1	320			0.00	0.00										
1350-525	TF mold (2)	31JAN06*	44	31MAR06	11JAN06	-57	290			0.00	123,390.00										
1351-080	Design Assy Fixture	03JAN06*	20	30JAN06	30JAN06	0	430			0.00	32,432.40										
1351-086	Fab/Assemble Fixture	31JAN06	19	24FEB06	24FEB06	0	430			0.00	43,708.00										
1351-088	Setup Wedge Casting Fixture & test	27FEB06	5	03MAR06	03MAR06	0	430			0.00	19,545.60										
FY05CV-7	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				135,000.00	135,000.00										
<b>Job: 1351 - TF Coil Fabr Supplies-KALISH</b>																					
<b>TF Materials &amp; Supplies</b>																					
1301FD-72	TF Conductor Procurement Package approved	31MAY05A	5	31MAY05A	31MAY05A	0			100	0.00	0.00										

Run Date 12DEC05 16:11



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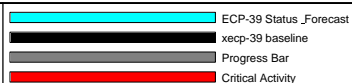
NCSX  
Status through December 1st  
ECP-39 Baseline

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1301FD-74	Prepare & issue TF Conductor RFP	31MAY05A	23*	03JUN05A	03JUN05A	0			100	0.00	0.00											
1301FD-76	Evaluate bids and award TF conductor	06JUN05A	0*	30JUN05A	30JUN05A	0			100	0.00	0.00											
1301FD-77	Award TF conductor		0	30JUN05A	30JUN05A	0			100	0.00	0.00											
1351-529	Coil Supplies- Deliver Copper	01JUL05A	120*	20DEC05	14OCT05	-45	264		100	133,864.50	133,864.50											
1301FD-78	TF Wedge Plate procurement package	29JUL05A	5	29JUL05A	29JUL05A	0			100	0.00	0.00											
1301FD-80	Prepare and Issue TF Wedge Plate RFP	12AUG05A	5	18AUG05A	18AUG05A	0			100	0.00	0.00											
1301FD-82	Update spec, rebid and award Wedge Plate	01DEC05	41	03FEB06	06FEB06	1	349			0.00	0.00											
1351-85C	Award TF Castings		0	03FEB06	06FEB06	1	350			0.00	0.00											
1351-85D	Vendor Fab TF Castings	06FEB06	100	26JUN06	27JUN06	1	350			0.00	271,458.00											
1351-525	Coil Supplies- Insulation (PE6299)	01DEC05	65	09MAR06	11JAN06	-41	306			0.00	109,680.00											
1351-527	Coil Supplies- Epoxy	30MAY06	367*	07NOV07	07NOV07	0	187			0.00	82,415.64											
1351-531	Coil Supplies- G-11 fillers (PE006162)	01DEC05	67*	13MAR06	13MAR06	0	271			0.00	89,115.00											
1351-533	Coil Supplies- Lead Blocks(pe6134 for copper)	03SEP05A	128*	13MAR06	13MAR06	0	271		M&S	32,025.00	53,322.27											
1351-535	Coil Supplies- Safety & PPE equip & supplies	01DEC05	88	11APR06	13FEB06	-41	250			0.00	10,968.00											
1351-537	Coil Supplies- Misc supplies	01DEC05	88	11APR06	13FEB06	-41	250			0.00	10,968.00											
1351-539	Coil Supplies- Primer**NOT REQD**	01DEC05	1	01DEC05	03OCT05	-41	337			0.00	0.00											
1351-541	VPI Supplies- Misc VPI supplies	10FEB06	88	14JUN06	15MAY06	-21	250			0.00	10,968.00											
1351-543	VPI Supplies- Disposable VPI HW	16JAN06	107	14JUN06	15MAY06	-21	250			0.00	83,167.08											
FY05CV-8	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				14,000.00	14,000.00											
<b>Job: 1361 - TF Fabrication-CHRZANOWSKI</b>																						
<b>TF Title III and Fabrication Oversight</b>																						
131-031	Title III engr (FDR through 1st coil test 75%)	10OCT05A	182*	03JUL06	14JUL06	8	823			13,360.27	67,476.10											
131-032	Title III engr (completion of coils 10% )	02OCT06	285*	19NOV07	19NOV07	0	186			0.00	33,569.28											
131-033	Winding operations field oversight	01DEC05*	493*	19NOV07	19NOV07	0	476			0.00	26,015.14											
<b>TF Braze Qualification</b>																						
1351-512	Prepare braze samples	03JAN06*	15	23JAN06	21DEC05	-17	261			0.00	10,256.00											
1351-513	Develop braze techniques	24JAN06	15	13FEB06	19JAN06	-17	261			0.00	4,886.40											
1351-514	Braze conductor samples	14FEB06	15	06MAR06	09FEB06	-17	261			0.00	4,886.40											
1351-515	Test brazed samples	07MAR06	15	27MAR06	02MAR06	-17	261			0.00	10,256.00											
<b>Conductor Prep</b>																						
1351-547	Conductor Preparation	08FEB06*	21	08MAR06	31JAN06	-26	285			0.00	27,363.84											
<b>Coil Winding</b>																						
1351-549	Wind Coil #1	12APR06	33	26MAY06	27APR06	-21	250			0.00	29,318.40											
1351-551	Wind Coil #2	02OCT06*	15	20OCT06	20OCT06	0	187			0.00	22,469.40											
1351-553	Wind Coil #3	23OCT06	15	10NOV06	10NOV06	0	187			0.00	16,644.00											
1351-555	Wind Coil #4	13NOV06	15	05DEC06	05DEC06	0	187			0.00	16,644.00											
1351-557	Wind Coil #5	06DEC06	15	03JAN07	03JAN07	0	187			0.00	6,657.60											
1351-559	Wind Coil #6	04JAN07	15	24JAN07	24JAN07	0	187			0.00	6,657.60											
1351-561	Wind Coil #7	25JAN07	15	14FEB07	14FEB07	0	187			0.00	6,657.60											
1351-563	Wind Coil #8	15FEB07	15	07MAR07	07MAR07	0	187			0.00	6,657.60											
1351-565	Wind Coil #9	08MAR07	15	28MAR07	28MAR07	0	187			0.00	6,657.60											

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Year									
												FY06	FY07	FY08	FY09	FY10					
1351-567	Wind Coil #10	29MAR07	15	18APR07	18APR07	0	187			0.00	6,657.60										
1351-569	Wind Coil #11	19APR07	15	09MAY07	09MAY07	0	187			0.00	6,657.60										
1351-571	Wind Coil #12	10MAY07	15	31MAY07	31MAY07	0	187			0.00	6,657.60										
1351-573	Wind Coil #13	01JUN07	15	21JUN07	21JUN07	0	187			0.00	6,657.60										
1351-575	Wind Coil #14	22JUN07	15	12JUL07	12JUL07	0	187			0.00	6,657.60										
1351-577	Wind Coil #15	13JUL07	15	02AUG07	02AUG07	0	187			0.00	6,657.60										
1351-579	Wind Coil #16	03AUG07	15	23AUG07	23AUG07	0	187			0.00	6,657.60										
1351-581	Wind Coil #17	24AUG07	15	13SEP07	13SEP07	0	187			0.00	6,657.60										
1351-583	Wind Coil #18	14SEP07	15	04OCT07	04OCT07	0	187			0.00	6,705.39										
<b>Ground Wrap &amp; Mold Application</b>																					
1351-649	GW & Apply Mold Coil #1	30MAY06	12	14JUN06	15MAY06	-21	250			0.00	13,030.40										
1351-651	GW & Apply Mold Coil #2	23OCT06	7	31OCT06	31OCT06	0	231			0.00	9,986.40										
1351-653	GW & Apply Mold Coil #3	13NOV06	7	21NOV06	21NOV06	0	223			0.00	7,489.80										
1351-655	GW & Apply Mold Coil #4	06DEC06	7	14DEC06	14DEC06	0	215			0.00	7,489.80										
1351-657	GW & Apply Mold Coil #5	04JAN07	7	12JAN07	12JAN07	0	210			0.00	2,912.70										
1351-659	GW & Apply Mold Coil #6	25JAN07	7	02FEB07	02FEB07	0	202			0.00	2,912.70										
1351-661	GW & Apply Mold Coil #7	15FEB07	7	23FEB07	23FEB07	0	229			0.00	2,912.70										
1351-663	GW & Apply Mold Coil #8	08MAR07	7	16MAR07	16MAR07	0	221			0.00	2,912.70										
1351-665	GW & Apply Mold Coil #9	29MAR07	7	06APR07	06APR07	0	216			0.00	2,912.70										
1351-667	GW & Apply Mold Coil #10	19APR07	7	27APR07	27APR07	0	208			0.00	2,912.70										
1351-669	GW & Apply Mold Coil #11	10MAY07	7	18MAY07	18MAY07	0	203			0.00	2,912.70										
1351-671	GW & Apply Mold Coil #12	01JUN07	7	11JUN07	11JUN07	0	195			0.00	2,912.70										
1351-673	GW & Apply Mold Coil #13	22JUN07	7	02JUL07	02JUL07	0	221			0.00	2,912.70										
1351-675	GW & Apply Mold Coil #14	13JUL07	7	23JUL07	23JUL07	0	213			0.00	2,912.70										
1351-677	GW & Apply Mold Coil #15	03AUG07	7	13AUG07	13AUG07	0	208			0.00	2,912.70										
1351-679	GW & Apply Mold Coil #16	24AUG07	7	03SEP07	03SEP07	0	200			0.00	2,912.70										
1351-681	GW & Apply Mold Coil #17	14SEP07	7	24SEP07	24SEP07	0	195			0.00	2,912.70										
1351-683	GW & Apply Mold Coil #18	05OCT07	7	15OCT07	15OCT07	0	187			0.00	2,991.10										
<b>VPI</b>																					
1351-751	VPI Coil #1	15JUN06	13	03JUL06	02JUN06	-21	250			0.00	25,409.28										
1351-752	VPI Coil #2	01NOV06	13	17NOV06	17NOV06	0	232			0.00	19,473.48										
1351-755	VPI Coil #3 & #4	15DEC06	17	16JAN07	16JAN07	0	215			0.00	14,563.50										
1351-759	VPI Coil #5 & #6	05FEB07	17	27FEB07	27FEB07	0	202			0.00	14,563.50										
1351-763	VPI Coil #7 & #8	19MAR07	17	10APR07	10APR07	0	221			0.00	6,241.50										
1351-767	VPI Coil #9 & #10	30APR07	17	22MAY07	22MAY07	0	208			0.00	6,241.50										
1351-771	VPI Coil #11 & #12	12JUN07	17	04JUL07	04JUL07	0	195			0.00	6,241.50										
1351-775	VPI Coil #13 & #14	24JUL07	17	15AUG07	15AUG07	0	213			0.00	6,241.50										
1351-779	VPI Coil #15 & #16	04SEP07	17	26SEP07	26SEP07	0	200			0.00	6,241.50										
1351-783	VPI Coil #17 & #18	16OCT07	17	07NOV07	07NOV07	0	187			0.00	6,409.50										
<b>Electrical Test (warm before casting instl)</b>																					
1351-848	Prep & setup for warm test	06JUN06	20	03JUL06	02JUN06	-21	337			0.00	10,256.00										
1351-849	Warm Test Coil #1	05JUL06	2	06JUL06	06JUN06	-21	337			0.00	1,303.04										

em/tb=160

em/tb=312

meighan=80 hrs

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY				
												FY06	FY07	FY08	FY09	FY10
1351-851	Warm Test Coil #2	20NOV06	2	21NOV06	21NOV06	0	251			0.00	832.20					
1351-853	Warm Test Coil #3	17JAN07	2	18JAN07	18JAN07	0	220			0.00	832.20					
1351-855	Warm Test Coil #4	19JAN07	2	22JAN07	22JAN07	0	227			0.00	832.20					
1351-857	Warm Test Coil #5	28FEB07	2	01MAR07	01MAR07	0	202			0.00	665.76					
1351-859	Warm Test Coil #6	02MAR07	2	05MAR07	05MAR07	0	203			0.00	665.76					
1351-861	Warm Test Coil #7	11APR07	2	12APR07	12APR07	0	242			0.00	665.76					
1351-863	Warm Test Coil #8	13APR07	2	16APR07	16APR07	0	243			0.00	665.76					
1351-865	Warm Test Coil #9	23MAY07	2	24MAY07	24MAY07	0	218			0.00	499.32					
1351-867	Warm Test Coil #10	25MAY07	2	29MAY07	29MAY07	0	220			0.00	499.32					
1351-869	Warm Test Coil #11	05JUL07	2	06JUL07	06JUL07	0	195			0.00	499.32					
1351-871	Warm Test Coil #12	09JUL07	2	10JUL07	10JUL07	0	196			0.00	499.32					
1351-873	Warm Test Coil #13	16AUG07	2	17AUG07	17AUG07	0	234			0.00	499.32					
1351-875	Warm Test Coil #14	20AUG07	2	21AUG07	21AUG07	0	235			0.00	499.32					
1351-877	Warm Test Coil #15	27SEP07	2	28SEP07	28SEP07	0	210			0.00	499.32					
1351-879	Warm Test Coil #16	01OCT07	2	02OCT07	02OCT07	0	212			0.00	512.76					
1351-881	Warm Test Coil #17	08NOV07	2	09NOV07	09NOV07	0	187			0.00	512.76					
1351-883	Warm Test Coil #18	12NOV07	2	13NOV07	13NOV07	0	188			0.00	512.76					

**Assemble TF Casting to TF coil**

1351-110A	Assemble TF to Wedge Casting TF#1	17JUL06	6	24JUL06	06JUL06	-12	337			0.00	7,818.24					
1351-115A	Assemble TF to Wedge Casting TF#2	22NOV06	3	28NOV06	28NOV06	0	251			0.00	5,825.40					
1351-120A	Assemble TF to Wedge Casting TF#3	19JAN07	3	23JAN07	23JAN07	0	220			0.00	4,577.10					
1351-125A	Assemble TF to Wedge Casting TF#4	24JAN07	3	26JAN07	26JAN07	0	226			0.00	4,577.10					
1351-130A	Assemble TF to Wedge Casting TF#5	02MAR07	3	06MAR07	06MAR07	0	202			0.00	4,161.00					
1351-135A	Assemble TF to Wedge Casting TF#6	07MAR07	3	09MAR07	09MAR07	0	202			0.00	4,161.00					
1351-140A	Assemble TF to Wedge Casting TF#7	13APR07	3	17APR07	17APR07	0	242			0.00	249.66					
1351-145A	Assemble TF to Wedge Casting TF#8	18APR07	3	20APR07	20APR07	0	242			0.00	2,496.60					
1351-150A	Assemble TF to Wedge Casting TF#9	25MAY07	3	30MAY07	30MAY07	0	218			0.00	1,997.28					
1351-155A	Assemble TF to Wedge Casting TF#10	31MAY07	3	04JUN07	04JUN07	0	219			0.00	1,997.28					
1351-160A	Assemble TF to Wedge Casting TF#11	09JUL07	3	11JUL07	11JUL07	0	195			0.00	1,997.28					
1351-165A	Assemble TF to Wedge Casting TF#12	12JUL07	3	16JUL07	16JUL07	0	195			0.00	1,997.28					
1351-170A	Assemble TF to Wedge Casting TF#13	20AUG07	3	22AUG07	22AUG07	0	234			0.00	1,997.28					
1351-175A	Assemble TF to Wedge Casting TF#14	23AUG07	3	27AUG07	27AUG07	0	234			0.00	1,997.28					
1351-180A	Assemble TF to Wedge Casting TF#15	01OCT07	3	03OCT07	03OCT07	0	210			0.00	2,051.04					
1351-185A	Assemble TF to Wedge Casting TF#16	04OCT07	3	08OCT07	08OCT07	0	211			0.00	2,051.04					
1351-190A	Assemble TF to Wedge Casting TF#17	12NOV07	3	14NOV07	14NOV07	0	187			0.00	2,051.04					
1351-195A	Assemble TF to Wedge Casting TF#18	15NOV07	3	19NOV07	19NOV07	0	187			0.00	2,051.04					
1351-195X	ALL TF COILS DELIVERED		0	19NOV07	19NOV07	0	187			0.00	0.00					

**Final Test (cold after casting installation)**

1351-901	Build Cryostat for teststand to hold TF coil	08JUN06	20	06JUL06	06JUN06	-21	337			0.00	10,628.20					
1351-905	Cold test #1 BEFORE casting applied	07JUL06	6	14JUL06	14JUN06	-21	337			0.00	9,966.08					

em/tb=96

ALL TF COILS DELIVERED  
DOE LEVEL 2 MILESTONE  
PEP DATE = AUGUST 2008

em/tb=80; m&s=\$3k

em/tb=72; meighan=32hrs etc only

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ECP-39 Status\_Forecast

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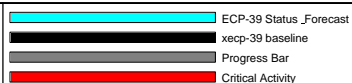






Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Fiscal Year				
												FY06	FY07	FY08	FY09	FY10
<b>+ Analysis - Thermal &amp; Electrical</b>																
		15OCT03A	152	18MAY04A	18MAY04A	0			100	39,639.40	39,639.40					
<b>+ Analysis - Structural</b>																
		15OCT03A	152	18MAY04A	18MAY04A	0			100	367,160.37	367,160.37					
<b>+ Winding Form FDR Prep</b>																
		15OCT03A	236	16SEP04A	16SEP04A	0			100	383,223.24	383,223.24					
<b>+ MCWF Procurement</b>																
		01JUN04A	86	30SEP04A	30SEP04A	0			100	45,223.48	45,223.48					
<b>+ Coil-to-coil Interface Design</b>																
		15OCT03A	246	30SEP04A	30SEP04A	0			100	91,408.51	91,408.51					
<b>+ MCWF &amp; Winding Analysis/Testing</b>																
		02FEB04A	400	31AUG05A	31AUG05A	0			100	656,902.73	656,902.73					
<b>+ Winding and Assembly Design-Type C</b>																
		01JAN04A	442	30SEP05A	30SEP05A	0			100	267,656.11	267,656.11					
<b>+ Twisted Racetrack Design (Williamson)</b>																
		01OCT03A	455	29JUL05A	29JUL05A	0			100	376,539.25	376,539.25					
<b>+ Prior Costs</b>																
		01OCT04A	251	30SEP05A	30SEP05A	0			100	564,400.00	564,400.00					
<b>Type C Design Closeout</b>																
1403-203C	Finish Clamp Dwgs (5)-Type C	01MAR05A	193*	30NOV05A	14OCT05	-31			100	15,791.04	15,791.04					100 hrs
1403-506	Chill plate dwgs approved for fabrication		0*	30NOV05A	03OCT05	-40			100	0.00	0.00					
1403-510	Clamp and assy dwgs approved for fabrication	30NOV05A	0*	30NOV05A	17OCT05	-30			100	0.00	0.00					
1403-59	Type-C product specifications	02MAY05A	160*	30NOV05A	14OCT05	-31			100	6,350.79	6,350.79					40 hrs
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	01SEP05A	42*	31OCT05A	21OCT05	-6			100	6,474.00	6,474.00					40 hrs
1403-X1	Winding form revisions (unplanned)	03OCT05A	0	31OCT05A		0				0.00	0.00					
1403-X2	Terminal Changes (unplanned)	03OCT05A	0	31OCT05A		0				0.00	0.00					
1403-90	Compile Material properties database	01OCT04A	319*	16JAN06	31OCT05	-47	297	90		18,049.82	20,055.36					hm fan=120
1403-40.2Z	Update nonlinear winding pack analysis	01AUG04A	362*	16JAN06	14OCT05	-58	297	90		78,570.79	87,300.88					freudenberg=480;williamson=40 nelson=4Myatt=40 (\$5k)
1403-73	Prep struct analysis report	01MAY05A	176*	16JAN06	31OCT05	-47	297	60		7,694.07	12,823.45					FREUDENBERG =80hr ;
1403-76	Structural analysis of leads	01OCT04A	319*	16JAN06	31OCT05	-47	297	50		6,316.82	12,633.63					FREUDENBERG =80hr ;
1403-200	Side A/B winding pack assy-Type C	01JAN04A	510*	16JAN06	14OCT05	-58	297	90		32,143.07	35,714.52					183+60= 243 hrs
1403-224C	Finish VPI mold assembly-Type C	01MAR05A	220*	16JAN06	14OCT05	-58	297	90		2,866.22	3,184.69					20 hrs
1403-206.1	Cooling tubes/services assy- Type C	25APR05A	181*	16JAN06	14OCT05	-58	297	90		8,647.94	9,608.82					60 hrs
1403-206C	Finish Cooling, Electr Schematic Dwgs - Type	01MAR05A	220*	16JAN06	14OCT05	-58	297	90		5,732.44	6,369.38					40 hrs
1403-58C	Check and promote clamp, I&C assy dwgs	01JUN05A	155*	16JAN06	14OCT05	-58	297	90		14,490.93	16,101.03					100 hrs
1403-60C	Finish Update design basis document	02MAY05A	176*	16JAN06	14OCT05	-58	297	60		7,694.07	12,823.45					80 hrs
1403-223C	Finish Top level coil assembly-Type C	01MAR05A	242*	15FEB06	14OCT05	-80	275	90		11,526.84	12,807.60					80 hrs
1403-208C	Finish I&C Dwgs -Type C	01MAR05A	242*	15FEB06	14OCT05	-80	275	90		5,763.42	6,403.80					40 hrs
1403-20.2	Resolve FDR chits	01AUG05A	113*	16JAN06	17OCT05	-57	297	90		5,876.79	6,529.77					40 hrs
1403-42H	calculate EM loads at leads	01SEP05A	90*	16JAN06	31OCT05	-47	297	60		5,952.64	9,921.07					williamson=60
1403-47A	Update,review & approve FMECA	26SEP05A	73*	16JAN06	28OCT05	-48	297	10		671.05	6,710.47					Williamson=80
1403-42A1	Document analysis of MCWF eddy currents	01DEC05*	11	15DEC05	31OCT05	-31	313			0.00	0.00					
1403-47C	Perform cool-down/warmup analysis	01DEC05*	27*	16JAN06	31OCT05	-47	297			0.00	6,962.40					fan=40

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Fiscal Year					
												FY06	FY07	FY08	FY09	FY10	
1403-50A	Check inductance calculation	01DEC05	27	16JAN06	31OCT05	-47	297			0.00	6,748.00						
1403-20.0	Final Design Close-out for Type C		0	20FEB06	31OCT05*	-72	272			0.00	0.00						
<b>Job: 1416-Mod Coil Type A&amp;B Final Dsn-WILLIAMSON</b>																	
<b>Winding and Assembly Design-Type A</b>																	
1416A-105	-Subasm Shrinkwrap	15DEC05*	5	21DEC05	21DEC05	0	218			0.00	6,748.00						
1416A-109	-Check and Promote	22DEC05	5	05JAN06	05JAN06	0	218			0.00	3,374.00						
1416A-113	MCWF mods-As-Built MCWF	01AUG05A	113*	16JAN06	07OCT05	-63	206	50		6,529.77	13,059.54						
1416A-117	MCWF mods-Studs, Lead Block Mount	01OCT05A	68*	16JAN06	14OCT05	-58	206	50		3,374.00	6,748.00						
1416A-121	MCWF mods-Seal Groove Adapter	01OCT05A	68*	16JAN06	21OCT05	-53	206	50		3,374.00	6,748.00						
1416A-125	MCWF mods-Metrology Data Files	03OCT05A	68*	16JAN06	26OCT05	-50	206	50		1,687.00	3,374.00						
1416A-129	MCWF mods-Check and Promote	30NOV05A	5	23JAN06	02NOV05	-50	206	50		1,687.00	3,374.00						
1416A-133	Lead Block Assy-Lead Blocks	01OCT05A	68*	16JAN06	28OCT05	-48	157	20		2,699.20	13,496.00						
1416A-137	Lead Block Assy-Top and Side Plates	28NOV05A	30*	16JAN06	18NOV05	-33	157	20		2,699.20	13,496.00						
1416A-141	Lead Block Assy-Detail Parts, Intralink	28NOV05A	30*	16JAN06	23NOV05	-30	157	20		1,349.60	6,748.00						
1416A-145	Lead Block Assy-Filament Data Files	28NOV05A	30*	16JAN06	01DEC05	-26	157	20		674.80	3,374.00						
1416A-149	Lead Block Assy-Check and Promote	17JAN06	5	23JAN06	08DEC05	-26	157			0.00	3,374.00						
1416A-153	Lead Terminals-Splice Plates	01DEC05*	27*	16JAN06	27OCT05	-49	157			0.00	3,374.00						
1416A-157	Lead Terminals-Check and Promote	17JAN06	5	23JAN06	03NOV05	-49	157			0.00	3,374.00						
1416A-161	Side A Coil Assy-Cladding Asm	01SEP05A	90*	16JAN06	28OCT05	-48	170	90		34,227.68	38,030.76						
1416A-165	Side A Coil Assy-Cond Layers, Geom Files	28NOV05A	40*	30JAN06	04NOV05	-53	191	30		2,024.40	6,748.00						
1416A-169	Side A Coil Assy-Magnetic Loops	28NOV05A	40*	30JAN06	14NOV05	-47	191	30		1,012.20	3,374.00						
1416A-173	Side A Coil Assy-Chill Plates and Tubing	28NOV05A	40*	30JAN06	13DEC05	-28	191	30		12,146.40	40,488.00						
1416A-177	Side A Coil Assy-Check and Promote	31JAN06	10	13FEB06	04JAN06	-28	191			0.00	6,748.00						
1416A-181	Side B Coil Assy-Cladding Asm	01SEP05A	100*	30JAN06	28OCT05	-58	160	90		35,629.21	39,588.01						
1416A-185	Side B Coil Assy-Cond Layers, Geom Files	28NOV05A	40*	30JAN06	07NOV05	-52	191	30		2,024.40	6,748.00						
1416A-189	Side B Coil Assy-Magnetic Loops	28NOV05A	40*	30JAN06	16NOV05	-45	191	30		1,012.20	3,374.00						
1416A-193	Side B Coil Assy-Chill Plates and Tubing	28NOV05A	40*	30JAN06	13DEC05	-28	191	30		12,532.32	41,774.40						
1416A-197	Side B Coil Assy-Check and Promote	31JAN06	10	13FEB06	04JAN06	-28	191			0.00	6,748.00						
1416A-201	Coil Post VPI mods-Studs Removed	01DEC05*	3	05DEC05	02NOV05	-21	230			0.00	3,374.00						
1416A-205	Coil Post VPI mods-Clamp Arrangement	01DEC05*	5	07DEC05	09NOV05	-18	228			0.00	6,748.00						
1416A-209	Coil Post VPI mods-Check and Promote	08DEC05	5	14DEC05	16NOV05	-18	228			0.00	3,374.00						
1416A-213	Clamp Assy-Clamp Hardware	28NOV05A	40*	30JAN06	24OCT05	-62	200	90		607.32	674.80						
1416A-217	Clamp Assy-Check and Promote	31JAN06	1	31JAN06	25OCT05	-62	200			0.00	674.80						
1416A-221	I&C-Strain Gages and T/C	09DEC05*	3	13DEC05	13DEC05	0	224			0.00	3,374.00						
1416A-225	I&C-Rogowski Coils	02DEC05*	5	08DEC05	08DEC05	0	227			0.00	6,748.00						
1416A-229	I&C-Check and Promote	14DEC05	5	20DEC05	20DEC05	0	224			0.00	3,374.00						
1416A-233	Coil-to-Coil -Current Feed Insul, Covers	01DEC05*	5	07DEC05	21NOV05	-10	228			0.00	3,374.00						
1416A-237	Coil-to-Coil -Windings Insul Blanket	01DEC05*	5	07DEC05	16NOV05	-13	228			0.00	3,374.00						
1416A-241	Coil-to-Coil -Bushing Installation	01DEC05*	5	07DEC05	28NOV05	-7	228			0.00	3,374.00						
1416A-245	Coil-to-Coil -Check and Promote	08DEC05	5	14DEC05	05DEC05	-7	228			0.00	3,374.00						
1416A-249	-Type-A Coil Asm Specification	20DEC05*	5	03JAN06	03JAN06	0	210			0.00	6,748.00						
1416A-253	-Review and Approve Type-A Spec	04JAN06	5	10JAN06	10JAN06	0	210			0.00	3,374.00						

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NCSX  
Status through December 1st  
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Fiscal Year									
												FY06	FY07	FY08	FY09	FY10					
1408-637	Fabr Chill Plts Type B for Coil b1	31MAY06	20	27JUN06	27JUN06	0	224			0.00	3,838.80										
1408-639	Fabr Chill Plts Type B for Coil b2	31MAY06	20	27JUN06	26JUL06	20	300			0.00	3,838.80										
1408-641	Fabr Chill Plts Type B for Coil b3	31MAY06	20	27JUN06	23AUG06	40	330			0.00	3,838.80										
1408-643	Fabr Chill Plts Type B for Coil b4	31MAY06	20	27JUN06	20SEP06	60	347			0.00	3,838.80										
1408-645	Fabr Chill Plts Type B for Coil b5	31MAY06	20	27JUN06	18OCT06	80	381			0.00	3,838.80										
1408-647	Fabr Chill Plts Type B for Coil b6	31MAY06	20	27JUN06	15NOV06	100	440			0.00	3,838.80										
<b>Tubing</b>																					
1408-761	Submit Requisition for Tubing	28NOV05A	5	30NOV05A	21OCT05	-26				0.00	0.00										
1408-763	Bid and Award Tubing	01DEC05	3	05DEC05	11NOV05	-14	160			0.00	0.00										
1408-765	Deliver Tubing	06DEC05	10	19DEC05	29NOV05	-14	160			0.00	2,742.00										
<b>Epoxy</b>																					
1408-111	Epoxy - Requisition	01JAN05A	5	31JAN05A	31JAN05A	0			100	0.00	0.00										
1408-114	Epoxy -Evaluate Bids & Award	01MAY05A	10	31MAY05A	31MAY05A	0			100	0.00	0.00										
1408-117	Epoxy -1st Delivery for Production	06JAN06	20	02FEB06	28FEB06	18	248			0.00	20,565.00										
1408-119	Epoxy -2nd Delivery for Production	21MAR06	20	17APR06	04MAY06	13	220			0.00	20,565.00										
1408-121	Epoxy -3rd Delivery for Production	09OCT06	20	03NOV06	22NOV06	13	150			0.00	20,565.00										
1408-123	Epoxy -4th Delivery for Production	15JAN07	20	09FEB07	31JAN07	-7	130			0.00	20,565.00										
1408-125	Epoxy -5th Delivery for Production	12FEB07	20	09MAR07	28FEB07	-7	156			0.00	20,565.00										
1408-127	Epoxy -6th Delivery for Production	18APR07	20	15MAY07	04MAY07	-7	149			0.00	20,565.00										
<b>Clamps</b>																					
1408-901	Submit Requisition for Type C Clamps	01DEC05	5	07DEC05	24OCT05	-30	274			0.00	0.00										
1408-903	Bid and Award Type C Clamps	08DEC05	15	05JAN06	21DEC05	-5	274			0.00	0.00										
1408-905	Fabr Clamps Type C for Coil c1	06JAN06	30	16FEB06	09FEB06	-5	274			0.00	20,565.00										
1408-907	Fabr Clamps Type C for Coil c2	06JAN06	30	16FEB06	23MAR06	25	283			0.00	20,565.00										
1408-909	Fabr Clamps Type C for Coil c3	06JAN06	30	16FEB06	04MAY06	55	292			0.00	20,565.00										
1408-911	Fabr Clamps Type C for Coil c4	06JAN06	30	16FEB06	16JUN06	85	301			0.00	20,565.00										
1408-913	Fabr Clamps Type C for Coil c5	06JAN06	30	16FEB06	31JUL06	115	310			0.00	20,565.00										
1408-915	Fabr Clamps Type C for Coil c6	06JAN06	30	16FEB06	30JUL07	366	538			0.00	20,565.00										
1408-917	Submit Requisition for Type A Clamps	01FEB06	5	07FEB06	01NOV05	-62	281			0.00	0.00										
1408-919	Bid and Award Type A Clamps	08FEB06	15	28FEB06	06JAN06	-37	281			0.00	0.00										
1408-921	Fabr Clamps Type A for Coil a1	01MAR06	30	11APR06	17FEB06	-37	281			0.00	20,565.00										
1408-923	Fabr Clamps Type A for Coil a2	01MAR06	30	11APR06	31MAR06	-7	290			0.00	20,565.00										
1408-925	Fabr Clamps Type A for Coil a3	01MAR06	30	11APR06	12MAY06	23	299			0.00	20,565.00										
1408-927	Fabr Clamps Type A for Coil a4	01MAR06	30	11APR06	26JUN06	53	341			0.00	20,565.00										
1408-929	Fabr Clamps Type A for Coil a5	01MAR06	30	11APR06	08AUG06	83	399			0.00	20,565.00										
1408-931	Fabr Clamps Type A for Coil a6	01MAR06	30	11APR06	19SEP06	113	509			0.00	20,565.00										
1408-933	Submit Requisition for Type B Clamps	27JAN06	5	02FEB06	02FEB06	0	311			0.00	0.00										
1408-935	Bid and Award Type B Clamps	03FEB06	15	23FEB06	30MAR06	25	311			0.00	0.00										
1408-937	Fabr Clamps Type B for Coil b1	24FEB06	30	06APR06	11MAY06	25	311			0.00	20,565.00										
1408-939	Fabr Clamps Type B for Coil b2	24FEB06	30	06APR06	23JUN06	55	353			0.00	20,565.00										
1408-941	Fabr Clamps Type B for Coil b3	24FEB06	30	06APR06	07AUG06	85	411			0.00	20,565.00										
1408-943	Fabr Clamps Type B for Coil b4	24FEB06	30	06APR06	18SEP06	115	438			0.00	20,565.00										

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY					
												FY06	FY07	FY08	FY09	FY10	
1408-945	Fabr Clamps Type B for Coil b5	24FEB06	30	06APR06	30OCT06	145	494			0.00	20,565.00						
1408-947	Fabr Clamps Type B for Coil b6	24FEB06	30	06APR06	13DEC06	175	521			0.00	20,565.00						
<b>Other</b>																	
1408-137	Safety & PPE equipt & supplies	01MAY05A	689	31JAN08	31JAN08	0	434	35		7,144.41	20,412.61	M&S= \$ 15 k					
1408-138	Misc. Supplies	01JUL05A	646	31JAN08	31JAN08	0	434	65		10,656.01	16,393.86	M&S= \$ 12 k					
1408-173	Epoxy for Shell Mold (Hysol)	01DEC05*	540	31JAN08	31JAN08	0	434			0.00	24,768.67	M&S= \$ 18 k					
1408-183	Tubing (Chem flor and Poly)	01SEP05A	67	31OCT05A	06DEC05	24		100		46,373.37	46,373.37	M&S= \$ 35 k					
1408-184	Vulcanizing tape, felt and RTV	01DEC05*	45	09FEB06	06DEC05	-41	929			0.00	30,162.00	M&S= \$ 22 k					
1408-185	Valves and Fittings	01AUG05A	66	31OCT05A	31OCT05	0		100		19,644.55	19,644.55	M&S= \$ 15 k					
1408-186	Manifolds	01SEP05A	209	30SEP05A	30SEP05A	0		100		75,850.56	75,850.56	M&S= \$ 1 k Em/tb (bartzak)=1000					
<b>I&amp;C</b>																	
174-035	Modular Coil local I&C -Procurement	01DEC05	40	02FEB06	18JAN06	-11	284			0.00	18,275.43	41=\$13.33k					
FY05CV-21	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				33,000.00	33,000.00						
<b>Job: 1411-MCWF Fabrication S005242-HEITZENROEDER</b>																	
172-031	Title III engr	24MAY04A	340	30SEP05A	30SEP05A	0		LOE		76,273.90	76,273.90	Heitzenroeder =158hr; Williamson = 92hr ; travel=\$22k					
172-031.1	Title III engr	01OCT05A	350	01MAR07	01MAR07	0	660	LOE		19,556.25	167,147.43	Heitzenroeder =640hr; Williamson = 107 hr ; travel=\$26k					
MCWF-001	EIO Project Mgt. & Reporting	29OCT04A	497	02OCT06	02OCT06	0	773	62		563,474.60	908,830.00	48=909 ;					
MCWF-011	Pattern A complete	29OCT04A	126	01APR05A	01APR05A	0		100		290,125.00	290,125.00						
MCWF-021	Pattern B complete	01DEC04A	220	30SEP05A	30SEP05A	0		100		255,120.00	255,120.00	48=255 ;					
MCWF-031	Major Tool Tooling Complete	29OCT04A	82	28FEB05A	28FEB05A	0		100		628,622.00	628,622.00						
MCWF-041	Materials (MetalTek)	29NOV04A	282	31AUG05A	31AUG05A	0		100		744,750.00	744,750.00	48=745 ;					
MCWF-051	C1-MTK-casting upgrade	20DEC04A	63	31MAR05A	31MAR05A	0		100		146,248.12	146,248.12						
MCWF-061	C1-MTM - machining/inspection	01APR05A	136	30SEP05A	30SEP05A	0		M	100	154,910.00	154,910.00	48=155 ;					
C-121.1	First MCWF C-1 Delivered		0	30SEP05A	30SEP05A	0				0.00	0.00						
MCWF-071	C1-Receive at PPPL		0	03OCT05A	03OCT05A	0		CD		0.00	0.00						
MCWF-081	C2-MTK-casting	01APR05A	66	27JUN05A	27JUN05A	0		100		142,920.00	142,920.00						
MCWF-091	C2-MTM - machining/inspection	28JUN05A	116	12DEC05	28NOV05	-10	136	98		151,811.80	154,910.00	48=155 ;					
MCWF-101	C2-Receive at PPPL		0	12DEC05	29NOV05	-9	136			0.00	0.00						
MCWF-141	C3-MTK-casting	12MAY05A	102	19SEP05A	19SEP05A	0		100		142,920.00	142,920.00	48=141 ;+2.11k heat treatment ecp34					
MCWF-151	C3-MTM - machining/inspection	20SEP05A	82	23JAN06	11JAN06	-8	137	60		92,946.00	154,910.00	48=155 ;					
MCWF-161	C3-Receive at PPPL		0	23JAN06	13JAN06	-6	146			0.00	0.00						
MCWF-201	C4-MTK-casting	16MAY05A	122	31OCT05A	04NOV05	4		100		142,920.00	142,920.00	48=141 ;+2.11k heat treatment ecp34					
MCWF-211	C4-MTM - machining/inspection	31OCT05A	68	13FEB06	27FEB06	10	158	15		23,236.50	154,910.00	48=155 ;					
MCWF-221	C4-Receive at PPPL		0	13FEB06	01MAR06	12	158			0.00	0.00						
MCWF-261	C5-MTK-casting	30MAY05A	128	30NOV05A	21NOV05	-5		100		142,920.00	142,920.00	48=141 ;+2.11k heat treatment ecp34					
MCWF-271	C5-MTM - machining/inspection	01DEC05A	62	06MAR06	09MAR06	3	161	5		7,745.50	154,910.00	48=155 ;					
MCWF-281	C5-Receive at PPPL		0	08MAR06	13MAR06	3	161			0.00	0.00						
MCWF-291	C6-MTK-casting	16JUN05A	155	01FEB06	07DEC05	-34	387	50		71,460.00	142,920.00	48=141 ;+2.11k heat treatment ecp34					
MCWF-301	C6-MTM - machining/inspection	02FEB06	59	25APR06	23MAR06	-23	387			0.00	154,910.00	48=155 ;					
MCWF-311	C6-Receive at PPPL		0	27APR06	27MAR06	-23	387			0.00	0.00						

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ECP-39 Status\_Forecast  
 xecp-39 baseline  
 Progress Bar  
 Critical Activity

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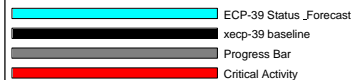






Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget									
												FY06	FY07	FY08	FY09	FY10				
<b>Job: 1451 - Mod Coil Winding-CHRZANOWSKI</b>																				
<b>Station 1 Prep casing &amp; Install Cladding</b>																				
C11RW	C1 rework	03OCT05A	5	07OCT05A	07OCT05	0		1	100	46,663.50	46,663.50									
1451TRAIN	Training for winding teams	25JUL05A	3	29JUL05A	29JUL05A	0				0.00	0.00									
P1-001	Rec C1, Prep& Instl Cladding>>@125% 1 shift	10OCT05A	23	24OCT05A	09NOV05	12		2	100	54,727.68	54,727.68									
P1-091	Receive C2, Prep& Instl Cladding	13DEC05	11	04JAN06	14DEC05	-9	136	2		0.00	44,303.36									
P2-091	Receive C3, Prep& Instl Cladding	24JAN06	11	07FEB06	30JAN06	-6	146	2		0.00	44,303.36									
P3-091	Receive C4, Prep& Instl Cladding	14FEB06	11	28FEB06	16MAR06	12	158	2		0.00	24,350.56									
P1-121	Receive C5, Prep& Instl Cladding	09MAR06	11	23MAR06	31MAR06	6	161	2		0.00	24,350.56									
P2-031	Receive C6, Prep& Instl Cladding	28APR06	11	12MAY06	17APR06	-19	387	2		0.00	24,350.56									
P2-001	Receive A1, Prep& Instl Cladding	19APR06	11	03MAY06	25MAY06	16	159	2		0.00	24,350.56									
P3-001	Receive A2, Prep& Instl Cladding	18MAY06	11	02JUN06	23JUN06	15	158	2		0.00	24,350.56									
P3-031	Receive A3, Prep& Instl Cladding	19JUN06	11	03JUL06	11JUL06	5	164	2		0.00	24,350.56									
P1-031	Receive B1, Prep& Instl Cladding	03AUG06	11	17AUG06	03AUG06	-10	152	2		0.00	24,350.56									
P3-121	Receive A4, Prep& Instl Cladding	21JUL06	11	04AUG06	05SEP06	21	188	2		0.00	24,350.56									
P1-061	Receive A5, Prep& Instl Cladding	29AUG06	11	13SEP06	04OCT06	15	208	2		0.00	24,350.56									
P1-151	Receive A6, Prep& Instl Cladding	26SEP06	11	10OCT06	19OCT06	7	318	2		0.00	24,768.86									
P2-121	Receive B2, Prep& Instl Cladding	17NOV06	11	05DEC06	17NOV06	-10	124	2		0.00	24,882.78									
P2-061	Receive B3, Prep& Instl Cladding	27OCT06	11	10NOV06	13DEC06	21	196	2		0.00	24,882.78									
P2-151	Receive B4, Prep& Instl Cladding	07DEC06	11	21DEC06	19JAN07	15	186	2		0.00	24,882.78									
P3-061	Receive B5, Prep& Instl Cladding	15JAN07	11	29JAN07	05FEB07	5	200	2		0.00	24,882.78									
P3-151	Receive B6, Prep& Instl Cladding	08MAR07	11	22MAR07	08MAR07	-10	221	2		0.00	24,882.78									
P1-000	ECP36 holes for cooling lines included in above	01DEC05*	1	01DEC05	03NOV05	-18	968			0.00	0.00									
<b>Station 2-Winding, Instl Chill Plates,Tubing,Bag</b>																				
P1-011	Wind coil C1>> @150%	25OCT05A	49*	11JAN06	02FEB06	16	146	2	36	42,482.36	118,006.56									
P1-011J	Complete Winding First Modular Coil		0	20DEC05	02FEB06	26	159	2		0.00	0.00									
P1-020	Instl Chill Plates,Tubing, Bag C1>>@150%	12JAN06	16*	02FEB06	28FEB06	18	149	2		0.00	41,371.52									
P2-101	Wind coil C-3	08FEB06	35	28MAR06	18APR06	15	146	2		0.00	116,377.76									
P2-110	Instl Chill Plates,Tubing,Bag C3	29MAR06	12	13APR06	04MAY06	15	146	2		0.00	41,371.52									
P1-131	Wind coil C5	14APR06	35	02JUN06	23JUN06	15	146	2		0.00	99,031.04									
P1-140	Instl Chl Plates,Tubing, Bag C5	05JUN06	12	20JUN06	12JUL06	15	146	2		0.00	34,856.32									
P3-011	Wind coil A2	21JUN06	35	09AUG06	30AUG06	15	146	2		0.00	99,031.04									
P3-020	Instl Chill Plates,Tubing, Bag A2	10AUG06	12	25AUG06	18SEP06	15	146	2		0.00	34,856.32									
P1-041	Wind coil B1	28AUG06	35	16OCT06	06NOV06	15	146	2		0.00	99,711.31									
P2-041.JOUL	JOULE FY07 Cmpit winding one-half modular coils		0	16OCT06	06NOV06	15	146	2		0.00	0.00									
P1-050	Instl Chl Plates,Tubing, Bag B1	17OCT06	12	01NOV06	22NOV06	15	146	2		0.00	35,618.16									
P1-071	Wind coil B2	06DEC06	35	31JAN07	22JAN07	-7	124	2		0.00	101,195.52									
P1-080	Instl Chl Plates,Tubing,Bag B2	01FEB07	12	16FEB07	07FEB07	-7	124	2		0.00	35,618.16									
P2-071	Wind coil B3	19FEB07	35	06APR07	28MAR07	-7	134	2		0.00	101,195.52									

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Status through December 1st  
ECP-39 Baseline

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Fiscal Year					
												FY06	FY07	FY08	FY09	FY10	
P2-080	Instl Chill Plates, Tubing, Bag B3	09APR07	12	24APR07	13APR07	-7	134	2		0.00	35,618.16						
P3-071	Wind coil B5	25APR07	35	13JUN07	04JUN07	-7	139	2		0.00	101,195.52						
P3-080	Instl Chill Plates, Tubing, Bag B5	14JUN07	12	29JUN07	20JUN07	-7	139	2		0.00	35,618.16						
P1-161	Wind coil A6	02JUL07	35	20AUG07	09AUG07	-7	139	2		0.00	101,195.52						
P1-170	Instl Chill Plates, Tubing, Bag A6	21AUG07	12	06SEP07	27AUG07	-7	139	2		0.00	35,618.16						
174-037	Modular Coil local I&C -Install (from wbs 143)	12JAN06	371*	29JUN07	20JUN07	-7	140			0.00	69,715.31						
SSD-ST2	Second shift cost differential	25OCT05A	469*	06SEP07	27AUG07	-8	138			1,696.00	32,000.00						
<b>Station 3-Winding, Instl Chill Plates, Tubing, Bag</b>																	
P1-101	Wind coil C-2>>@125%	05JAN06	46	09MAR06	24FEB06	-9	136	2		0.00	116,377.76						
P1-110	Instl Chill Plates, Tubing, Bag C2>>@125%	10MAR06	15	30MAR06	17MAR06	-9	136	2		0.00	41,371.52						
P3-101	Wind coil C4	31MAR06	35	18MAY06	05MAY06	-9	136	2		0.00	99,031.04						
P3-110	Instl Chill Plates, Tubing, Bag C4	19MAY06	12	06JUN06	23MAY06	-9	136	2		0.00	34,856.32						
P2-011	Wind coil A1	07JUN06	35	26JUL06	17JUL06	-7	136	2		0.00	99,031.04						
P2-020	Instl Chill Plates, Tubing, Bag A1	27JUL06	12	11AUG06	02AUG06	-7	136	2		0.00	34,856.32						
P3-041	Wind coil A3	14AUG06	35	02OCT06	21SEP06	-7	136	2		0.00	99,092.88						
P3-050	Instl Chl Plates, Tubing, Bag A3	03OCT06	12	18OCT06	09OCT06	-7	136	2		0.00	35,618.16						
P3-131	Wind coil A4	19OCT06	35	08DEC06	29NOV06	-7	136	2		0.00	101,195.52						
P3-140	Instl Chl Plates, Tubing, Bag A4	11DEC06	12	03JAN07	15DEC06	-7	136	2		0.00	35,618.16						
P2-131	Wind coil A5	04JAN07	35	21FEB07	12FEB07	-7	136	2		0.00	101,195.52						
P2-140	Instl Chl Plates, Tubing, Bag A5	22FEB07	12	09MAR07	28FEB07	-7	136	2		0.00	35,618.16						
P2-161	Wind coil B4	12MAR07	35	27APR07	18APR07	-7	136	2		0.00	101,195.52						
P2-170	Instl Chill Plates, Tubing, Bag B4	30APR07	12	15MAY07	04MAY07	-7	136	2		0.00	35,618.16						
P2-041	Wind coil C6	16MAY07	35	05JUL07	25JUN07	-7	136	2		0.00	101,195.52						
P2-050	Instl Chl Plates, Tubing, Bag C6	06JUL07	12	23JUL07	12JUL07	-7	136	2		0.00	35,618.16						
P3-161	Wind coil B6	24JUL07	35	11SEP07	30AUG07	-7	136	2		0.00	101,195.52						
P3-170	Instl Chill Plates, Tubing, Bag B6	12SEP07	12	27SEP07	18SEP07	-7	136	2		0.00	35,618.16						
SSD-ST3	Second shift cost differential	05JAN06	440*	27SEP07	18SEP07	-7	135			0.00	32,000.00						
<b>Station 5-VPI</b>																	
P1-021V	VPI (Station 5) C1	03FEB06	12*	20FEB06	16MAR06	18	247			0.00	26,712.32						
P1-111V	VPI (Station 5) C2	31MAR06	12	17APR06	04APR06	-9	219			0.00	26,712.32						
P2-111V	VPI (Station 5) C3	18APR06	12	03MAY06	22MAY06	13	219			0.00	26,712.32						
P3-111V	VPI (Station 5) C4	07JUN06	12	22JUN06	09JUN06	-9	196			0.00	26,712.32						
P1-141V	VPI (Station 5) C5	23JUN06	12	11JUL06	28JUL06	13	196			0.00	26,712.32						
P2-021V	VPI (Station 5) A1	14AUG06	12	29AUG06	18AUG06	-7	173			0.00	26,712.32						
P3-021V	VPI (Station 5) A2	30AUG06	12	15SEP06	04OCT06	13	173			0.00	26,712.32						
P3-051V	VPI (Station 5) A3	19OCT06	12	03NOV06	25OCT06	-7	150			0.00	27,296.16						
P1-051V	VPI (Station 5) B1	06NOV06	12	21NOV06	12DEC06	13	150			0.00	27,296.16						
P3-141V	VPI (Station 5) A4	04JAN07	12	19JAN07	10JAN07	-7	144			0.00	27,296.16						
P1-081V	VPI (Station 5) A5	12MAR07	12	27MAR07	16MAR07	-7	154			0.00	27,296.16						
P2-141V	VPI (Station 5) B2	19FEB07	12	06MAR07	23FEB07	-7	124			0.00	27,296.16						
P2-081V	VPI (Station 5) B3	25APR07	12	10MAY07	01MAY07	-7	134			0.00	23,218.38						
P3-081V	VPI (Station 5) B4	16MAY07	12	01JUN07	22MAY07	-7	147			0.00	23,218.38						

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	ECP-39 Status_Forecast
	xecp-39 baseline
	Progress Bar
	Critical Activity

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Status through December 1st  
ECP-39 Baseline

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Fiscal Year									
												FY06	FY07	FY08	FY09	FY10					
P2-171V	VPI (Station 5) B5	02JUL07	12	18JUL07	09JUL07	-7	162			0.00	23,218.38									EM/TB = 328 hrs	
P2-051V	VPI (Station 5) C6	24JUL07	12	08AUG07	30JUL07	-7	159			0.00	23,218.38									EM/TB = 328 hrs	
P1-171V	VPI (Station 5) A6	07SEP07	12	24SEP07	13SEP07	-7	139			0.00	23,218.38									EM/TB = 328 hrs	
P3-171V	VPI (Station 5) B6	28SEP07	12	15OCT07	04OCT07	-7	136			0.00	23,791.26									EM/TB = 328 hrs	
<b>Station 1B Final Clamp Installation</b>																					
P1-021C	Final Clamps & Warm Test (Station1) C1	21FEB06	9	03MAR06	29MAR06	18	271			0.00	12,378.88										EM/TB = 152 hrs
P1-111C	Final Clamps & Warm Test (Station1) C2	18APR06	9	28APR06	17APR06	-9	240			0.00	12,378.88										EM/TB = 152hrs
P2-111C	Final Clamps & Warm Test (Station1) C3	04MAY06	9	16MAY06	05JUN06	13	237			0.00	12,378.88										EM/TB = 152 hrs
P3-111C	Final Clamps & Warm Test (Station1) C4	23JUN06	9	06JUL06	29JUN06	-4	211			0.00	9,772.80										EM/TB = 120 hrs
P1-141C	Final Clamps & Warm Test (Station1) C5	12JUL06	9	24JUL06	11AUG06	14	208			0.00	9,772.80										EM/TB = 120 hrs
P2-021C	Final Clamps & Warm Test (Station1) A1	30AUG06	9	12SEP06	31AUG06	-7	182			0.00	9,772.80										EM/TB = 120 hrs
P3-021C	Final Clamps & Warm Test (Station1) A2	18SEP06	9	28SEP06	17OCT06	13	179			0.00	9,772.80										EM/TB = 120 hrs
P3-051C	Final Clamps & Warm Test (Station1) A3	06NOV06	9	16NOV06	07NOV06	-7	153			0.00	9,986.40										EM/TB = 120 hrs
P1-051C	Final Clamps & Warm Test (Station1) B1	22NOV06	9	06DEC06	02JAN07	13	150			0.00	9,986.40										EM/TB = 120 hrs
P3-141C	Final Clamps & Warm Test (Station1) A4	22JAN07	9	01FEB07	23JAN07	-7	147			0.00	9,986.40										EM/TB = 120 hrs
P1-021.1	Complete First Mod Coil Fabrication C1		0	03MAR06	29MAR06	18	350			0.00	0.00										EM/TB = 120 hrs
<p>.....  <b>COMPLETE FIRST MODULAR COIL FABRICATION</b>  <b>DOE LEVEL 2 MILESTONE</b>  <b>PEP DATE = MARCH 2006</b>        .....</p>																					
P1-081C	Final Clamps & Warm Test (Station1) A5	28MAR07	9	09APR07	29MAR07	-7	157			0.00	9,986.40										EM/TB = 120 hrs
P2-141C	Final Clamps & Warm Test (Station1) B2	07MAR07	9	19MAR07	08MAR07	-7	124			0.00	9,986.40										EM/TB = 120 hrs
P2-081C	Final Clamps & Warm Test (Station1) B3	11MAY07	9	23MAY07	14MAY07	-7	134			0.00	9,986.40										EM/TB = 120 hrs
P3-081C	Final Clamps & Warm Test (Station1) B4	04JUN07	9	14JUN07	05JUN07	-7	147			0.00	9,986.40										EM/TB = 120 hrs
P3-171C	Final Clamps & Warm Test (Station1) B5	19JUL07	9	31JUL07	20JUL07	-7	171			0.00	9,986.40										EM/TB = 120 hrs
P2-051C	Final Clamps & Warm Test (Station1) C6	09AUG07	9	21AUG07	10AUG07	-7	165			0.00	9,986.40										EM/TB = 120 hrs
P1-171C	Final Clamps & Warm Test (Station1) A6	25SEP07	9	05OCT07	26SEP07	-7	142			0.00	10,135.73										EM/TB = 120 hrs
P2-171C	Final Clamps & Warm Test (Station1) B6	16OCT07	9	26OCT07	17OCT07	-7	136			0.00	10,255.20										EM/TB = 120 hrs
<b>LOE Oversight &amp; Supervision</b>																					
171-000	Winding Preparations (LOE) FY05	01AUG05A	49*	30SEP05A	30SEP05A	0				53,382.29	53,382.29										
171-040	Winding Oversight (LOE)	10OCT05A	513*	26OCT07	17OCT07	-7	136			45,992.65	657,037.87										EA/EM Chrzanowski @ 70%=2672 EA/EM Raftopolous @40%=1356
171-041	Tech Supervision	10OCT05A	513*	26OCT07	17OCT07	-7	136			21,548.35	307,833.64										EM/SM (Meighan) @ 70%=2371
TITLE3W	Titel III Design ORNL- Component Fab &	10OCT05A	512*	25OCT07	25OCT07	0	493			13,727.34	196,104.78										WILLIAMSON=908 (20%) oml travel=\$24k
FY05CV-25	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				81,000.00	81,000.00										
<b>Job: 1414 Coil Testing-Gettellfinger</b>																					
<b>Twisted Racetrack Hardware Fabrication</b>																					
1409-141	Modify Cryostat for TRC	01APR05A	107*	31AUG05A	31AUG05A	0		100		11,923.20	11,923.20										em/tb=160
1406-020	Begin Testing of Twisted RT in Coil test Stand	31AUG05A	0			0		100		0.00	0.00										em/tb=160
1406-021	Test Coil	10AUG05A	37*	30SEP05A	30SEP05A	0		100		30,844.24	30,844.24										em/tb=128; ee/tb=56; Hatcher=40; Gettellfinger=40; Gernhardt=40
1406-023	Hi-pot & Dissect Coil	03OCT05A	0*	31OCT05A	31OCT05	0		100		26,060.80	26,060.80										Keams=40,hause=40 em/tb=240
<b>Production Modular Coils</b>																					
1409-130	Production Cryostat Design	26SEP05A	26*	31OCT05A	31OCT05	0		100		6,839.71	6,839.71										Gettellfinger =40
1409-135	Production Cryostat Fabr & Install	03JAN06*	22	01FEB06	01FEB06	0	365			0.00	35,291.60										41=\$10k; em/tb=265

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ECP-39 Status\_Forecast  
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**NCSX**  
**Status through December 1st**  
**ECP-39 Baseline**

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget										
												FY06	FY07	FY08	FY09	FY10					
1409-136	Valve/pump repairs&safety mods to cryo pp	03JAN06*	21	31JAN06	31JAN06	0	366			0.00	23,871.20	41=3;em/tb=200;em/em=20									
1409-199	Closed Loop Facility Available for Production		0	01FEB06	01FEB06	0	365			0.00	0.00	▽									
P1-021	Test Coil (Coil Test Stand) C1	10MAR06	7	20MAR06	07APR06	14	339			0.00	30,321.24	EM/TB=176,EE/TB=72,EE/SM=20,EE/EM=16,EM/EM=28,									
P2-021	Test Coil (Coil Test Stand) A1	13SEP06	7	21SEP06	12SEP06	-7	209			0.00	22,740.93	EM/TB=176,EE/TB=72,EE/SM=20,EE/EM=16,EM/EM=28,									
P1-051	Test Coil (Coil Test Stand) B1	07DEC06	7	15DEC06	11JAN07	13	150			0.00	18,967.19	EM/TB=176,EE/TB=72,EE/SM=20,EE/EM=16,EM/EM=28,									
<b>FY05CV-19</b>																					
FY05CV-19	FY05 unrecoverable cost variance	01OCT04A	25	30SEP05A	30SEP05A	0				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	Compl assembly / interface drawings for ICDs	01NOV04A	309*	31JAN06	31OCT05	-58	936		90	28,530.47	31,700.52	Hargrove Lovett =80 williamson=40									
1403-16	Assembly bolts, nuts,washers	01OCT04A	401*	30JUN06	30JUN06	0	158		60	8,453.45	14,089.09	ornl=80+8 hrs									
1403-17	Assembly shims	01OCT04A	401*	30JUN06	30JUN06	0	158		60	12,295.93	20,493.22	ornl=80+48=128									
1403-18	Eccentric ball assembly	08NOV04A	375*	30JUN06	30JUN06	0	829		60	16,174.17	26,956.95	ornl=80+88=168									
1403-19	Top assembly dwgs for mod coil shell	01OCT04A	401*	30JUN06	30JUN06	0	829		60	18,443.89	30,739.82	ornl=120+72=192									
1403-19A	Bladder Details	01JUL05A	215*	30JUN06	30JUN06	0	158		20	4,475.45	22,377.27	ornl=80+56=136									
1403-20	3 coil assembly specification	01AUG06*	40	25SEP06	25SEP06	0	208			0.00	26,992.00	ornl=160									
1421-100	Submit Requisition for - Assy	24JUL06*	10	04AUG06	04AUG06	0	144			0.00	2,699.20	williamson=16 hrs									
1421-105	Procurement lead time for-Assy	07AUG06	40	29SEP06	29SEP06	0	144			0.00	0.00										
1421-110	Deliver - Assy bolts,nuts,washers	02OCT06	60	03JAN07	03JAN07	0	144			0.00	449,000.00	m&s=\$449k									
1421-200	Submit Requisition for - Assembly shims	24JUL06*	10	04AUG06	04AUG06	0	144			0.00	2,699.20	williamson=16 hrs									
1421-205	Procurement lead time for - Assembly shims	07AUG06	40	29SEP06	29SEP06	0	144			0.00	0.00										
1421-210	Deliver - Assembly shims	02OCT06	60	03JAN07	03JAN07	0	144			0.00	138,000.00	m&s=\$138k									
1421-400	Submit Requisition for - Bladders	24JUL06*	10	04AUG06	04AUG06	0	144			0.00	2,699.20	williamson=16 hrs									
1421-405	Procurement lead time for - Bladders	07AUG06	40	29SEP06	29SEP06	0	144			0.00	0.00										
1421-410	Deliver - Bladders	02OCT06	60	03JAN07	03JAN07	0	144			0.00	60,000.00	m&s=\$60k									
<b>15 - Structures</b>																					
<b>Job: 1501 - Structures Design- Kalish</b>																					
<b>PDR/PBR Task List</b>																					
1501-105	Project PDR	07OCT03A	1	07OCT03A	07OCT03A	0			100	0.00	0.00										
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A	31OCT03A	0			100	12,360.00	12,360.00										
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A	18NOV03A	0			100	6,180.00	6,180.00										
1501-117	Performance baseline review		0	18NOV03A	18NOV03A	0			100	0.00	0.00										
<b>Reqmnts,Configuration, Interfaces and PDR</b>																					
1501-125	Update drawings & models based on vendor	21OCT03A	30	26NOV03A	26NOV03A	0			100	10,660.50	10,660.50										
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	30SEP04A	30SEP04A	0			LOE	5,407.50	5,407.50										
1501-001	Prelim Design Structures	01JUL05A	110*	30SEP05A		0			100	45,443.75	45,443.75	kalish=188;rushinski=188;dahlgren=133									
1501-201	Write ICD's	22FEB06*	5	28FEB06		0	826			0.00	2,610.90	Kalish= 15									
1501-205	Update Design/models	13FEB06*	15	03MAR06		0	838			0.00	10,791.72	;Rushinski = 62									
1501-209	Prepare SRD	01MAR06	20	28MAR06		0	826			0.00	6,092.10	Kalish= 35									
1501-213	Approve ICD's	01MAR06	20	28MAR06		0	836			0.00	6,440.22	Kalish= 37									
1501-217	Update stress analysis	06MAR06	15	24MAR06		0	838			0.00	12,184.20	;Dahlgren=70									







Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in (days)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY06					FY07					FY08					FY09					FY10					
132-037	Coil Leads Procurement WBS 162	16OCT07*	60	17JAN08	17JAN08	0	303			0.00	314,186.10																										41=223.6 k
<b>163 - Coil Protection System</b>																																					
163.001	Title I design WBS 163 Coil protection	02OCT06*	65	10JAN07	10JAN07	0	656			0.00	42,744.60																										Williamson =82;omlr=80;rl/rm2=80
163.011	Title II design WBS 163 Coil protection	11JAN07	40	07MAR07	07MAR07	0	656			0.00	42,744.60																										Williamson=82;omlr=80;rl/rm2=80
<b>17 - Cryostat and Base Support Structure</b>																																					
<b>Job:1701-Cryostat&amp;Base Sprt Struct Dsn-GETTLEFINGER</b>																																					
<b>Prior Costs</b>																																					
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A	30SEP03A	0			100	12,180.00	12,180.00																										
FY05CV-27	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				178,000.00	178,000.00																										
<b>Base Support</b>																																					
161-001	Title I design WBS 172 base support struct	01APR04A	455*	30JAN06	23DEC05	-20	444	90		45,544.54	50,605.04																										Messineo =170hr ;gettelfinger =202hr
151-003	Base Support Struct PDR		0	30JAN06*	23DEC05*	-20	444			0.00	0.00																										
161-011	Final Design Base Support Structure WBS 172	02OCT06*	45	05DEC06	05DEC06	0	273			0.00	66,050.80																										Messineo =170hr;Gettelfinger =202hr;
172-199	Base Support Structure FDR		0	05DEC06	05DEC06	0	273			0.00	0.00																										
<b>Cryostat</b>																																					
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A	31MAR04A	0			100	6,000.00	6,000.00																										
151-001	Title I design WBS 171 cryostat	01APR04A	270*	29APR05A	29APR05A	0			100	125,850.61	125,850.61																										
151-002	Cryostat PDR		0	29APR05A	29APR05A	0			100	0.00	0.00																										
171-100	Advanced Prelim Design Cryostat	01DEC05	65	09MAR06		0	904			0.00	0.00																										UNFUNDED EAC Estimate em/rl/rm=320;ea/sm=240 EAC=\$84k
151-011	Final Design Cryostat WBS 171	25JUL05A	231*	22JUN07	22JUN07	0	175	2		4,754.02	237,701.24																										Gettelfinger =976hr ;Messineo =593hr ;
171-199	Cryostat FDR		0	22JUN07	22JUN07	0	175			0.00	0.00																										
<b>Job: 1751 - Cryostat Procurement</b>																																					
<b>171 - Cryostat</b>																																					
151-031	Title III engr	25JUN07	405	28JAN09	28JAN09	0	175			0.00	33,260.63																										Gettelfinger =34hr ; messineo=220
151-036.8	Prep Spec, Solicit bids, and Select Vendor	25JUN07	65	25SEP07	25SEP07	0	175			0.00	0.00																										
151-036.9	Award Cryostat Procurement		0	01OCT07*	01OCT07*	0	242			0.00	0.00																										
151-037	Cryostat Procurement [A/1]	02OCT07	141	25APR08	25APR08	0	242			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	06FEB07	240	22JAN08	22JAN08	0	438			0.00	10,726.43																										Gettelfinger =60hr ;
161-036.8	Prep Spec, Solicit bids, and Select Vendor	06FEB07*	65	07MAY07	07MAY07	0	235			0.00	0.00																										
161-036.9	Award Machine Base&supports Procurement		0	07MAY07	07MAY07	0	235			0.00	0.00																										
161-037	Machine Base&supports Procurement [A/1]	08MAY07	90	13SEP07	13SEP07	0	235			0.00	300,678.83																										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	30SEP03A	0			100	7,750.00	7,750.00																										
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A	30SEP03A	0			100	53,050.00	53,050.00																										
<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	30SEP04A	0			LOE	61,119.60	61,119.60																										
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A	30SEP04A	0			LOE	25,920.40	25,920.40																										
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04A	249*	30SEP05A	30SEP05A	0			LOE	136,539.00	136,539.00																										shift=1300 (.75 fte)

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- ECP-39 Status\_Forecast
- xecp-39 baseline
- Progress Bar
- Critical Activity

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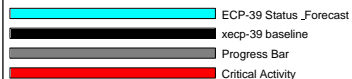
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Status through December 1st  
ECP-39 Baseline

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Schedule				
												FY06	FY07	FY08	FY09	FY10
181.222	HP Coverage in the TFTR TC LOE FY06	01OCT05A	250*	02OCT06	02OCT06	0	760			24,161.93	147,328.84	sh//tb=1300 (.75 fte)				
181.220	HP Coverage in the TFTR TC LOE FY07	02OCT06*	250*	01OCT07	01OCT07	0	511			0.00	150,543.22	sh//tb=1300 (.75 fte)				
181.221	HP Coverage in the TFTR TC LOE FY08	01OCT07*	251*	30SEP08	30SEP08	0	261			0.00	154,583.00	sh//tb=1300 (.75 fte)				
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A	30SEP04A	0			LOE	77,518.74	77,518.74					
181.110	PPPL EM LOE FY05	01OCT04A	249*	30SEP05A	30SEP05A	0			LOE	9,625.20	9,625.20	Viola=60				
181.120	PPPL EM LOE FY06	01DEC05*	209*	02OCT06	02OCT06	0	760			0.00	204,416.14	Viola=1178 85%% for FY06				
181.2A	Procedure for VV prep	12DEC05*	20	16JAN06	21OCT05	-53	268			0.00	0.00	=				
181.2B	Procedure for MC HP subassy	01AUG06*	15	21AUG06	21AUG06	0	231			0.00	0.00	=				
181.2C	Procedure for MC instl on VV	01SEP06*	15	22SEP06	22SEP06	0	258			0.00	0.00	=				
181.2D	Procedure for TF HP sub assy	02OCT06*	15	20OCT06	20OCT06	0	277			0.00	0.00	=				
181.2E	Procedure for Final FP assy	02JAN07*	15	22JAN07	22JAN07	0	211			0.00	0.00	=				
181.121	PPPL EM LOE FY07	02OCT06*	249*	28SEP07	28SEP07	0	512			0.00	260,099.10	Viola=1467 (85%)				
181.122	PPPL EM LOE FY08	01OCT07*	187*	30JUN08	30JUN08	0	325			0.00	200,288.00	Viola=1100(85%)				
FY05CV-28	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				57,000.00	57,000.00	=				
<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	28FEB05A	0			100	16,056.00	16,056.00	=				
1803-1.02	VV Support Fixture - model design& drawing	01FEB05A	73	31MAY05A	31MAY05A	0			100	13,604.00	13,604.00	=				
1803-1.04	Metrology -sightline layout metrology support	13APR05A	18	31MAY05A	31MAY05A	0			100	25,502.00	25,502.00	=				
1803-1.05	Structural / Seismic Analysis check	01FEB05A	86*	31MAY05A	31MAY05A	0			100	13,220.00	13,220.00	=				
1803-1.06	Design review PDR VV Prep Station	01AUG05A	0*	10AUG05A	10AUG05A	0			100	1,983.00	1,983.00	=				
1803-1.09	Safety Review documentation / presentation	02SEP05A	10	15SEP05A	15SEP05A	0			100	2,644.00	2,644.00	BROWN =16hr ;				
1803-1.061	Design review FDR VV Prep Station	16SEP05A	2	19SEP05A	19SEP05A	0			100	1,983.00	1,983.00	BROWN =12hr ;				
1803-1.07	Design check and sign-off	20SEP05A	30*	31OCT05A	07OCT05	-16			100	3,636.96	3,636.96	BROWN =16hr ; MORRIS =08 ;				
1803-1.10	Fab / Design Review - follow-up activities	20SEP05A	30*	31OCT05A	07OCT05	-16			100	7,214.11	7,214.11	BROWN =16hr ; MORRIS =40 ;				
1803-1.08	Prep & Issue dwgs.and requisition	31OCT05A	5*	31OCT05A	07NOV05	5			100	0.00	0.00	=				
1803-1.12	PPPL FAB - VV support Fixture (1)	17OCT05A	44*	15DEC05	05DEC05	-8	300		99	23,073.93	23,307.00	41=17				
<b>2.00-Half Period Assembly</b>																
1803-2.01	Concept definition and requirements	03JAN05A	52*	28FEB05A	28FEB05A	0			100	16,056.00	16,056.00	=				
1803-2.02	MC Holding Fixture - model design and	01FEB05A	79*	29APR05A	29APR05A	0			100	21,728.00	21,728.00	=				
1803-2.04	Metrology - sightline layout design details metr	01AUG05A	77*	30SEP05A	30SEP05A	0			100	15,209.60	15,209.60	=				
1803-2.05	Structural / Seismic Analysis check	01DEC05*	0*	30NOV05	21NOV05	-5	284			0.00	0.00	ANALYST =80hr ;				
1803-2.06	PDR Half Period Assy	07DEC05*	1	07DEC05	07DEC05	0	280			0.00	0.00	=				
1803-2.061	FDR Half Period Assy	09DEC05	19	12JAN06	04JAN06	-6	280			0.00	0.00	=				
1803-2.08A	Prep & Issue Spec,dwgs,and requisition	13JAN06	3	17JAN06	09JAN06	-6	280			0.00	0.00	=				
1803-2.08	Procurement Lead Time and Award	18JAN06	40	14MAR06	06MAR06	-6	280			0.00	0.00	=				
1803-2.11	Fab MC HP Assy Fixtures (1)	15MAR06	65	14JUN06	06JUN06	-6	280			0.00	31,889.46	41=23.62				
<b>3.00-MC Installation</b>																
1803-3.01	Concept definition and requirements	25OCT04A	5	29OCT04A	29OCT04A	0			100	6,610.00	6,610.00	=				
1803-3.02	MC Turning Fixture and base - model design	15NOV04A	48*	31JAN05A	31JAN05A	0			100	1,983.00	1,983.00	=				
1803-3.03	MC Gantry Crane - model design and drawing	29NOV04A	40*	31JAN05A	31JAN05A	0			100	14,265.00	14,265.00	=				

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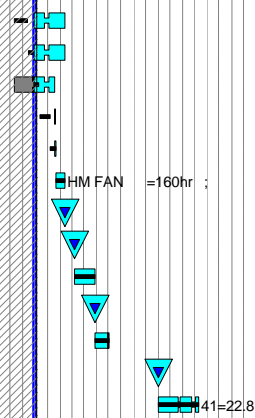


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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY					
												FY06	FY07	FY08	FY09	FY10	
1803-3.04	VV support stand - model design and drawing	29NOV04A	104*	29APR05A	29APR05A	0			100	8,849.00	8,849.00						
1803-3.05	Platform - design and drawing details	01FEB05A	7	29APR05A	29APR05A	0			100	9,179.50	9,179.50						
1803-3.084	Industry Info Meeting	21FEB05A	1	21FEB05A	21FEB05A	0			100	0.00	0.00						
<b>3.10 MC Turning Fixture-Industry Option</b>																	
1803-3.10A	Issue dwgs	02MAY05A	30	31MAY05A	31MAY05A	0			100	20,243.80	20,243.80						
180303.10A	Issue RFP		0	31MAY05A	31MAY05A	0			100	0.00	0.00						
1803-3.10C	Proposals Due		0	17JUN05A	17JUN05A	0			100	0.00	0.00						
1803-3.14	DECISION ON APPROACH		0	31AUG05A	31AUG05A	0			100	0.00	0.00						
<b>3.20 MC Turning Fixture-Crane Option</b>																	
1803-3.30	Develop Crane Design Option	01MAY05A	6*	31MAY05A	31MAY05A	0			100	0.00	0.00						
1803-3.33	Design Equivalent Test Simulation Model	16MAY05A	33*	17JUN05A	17JUN05A	0			100	6,416.80	6,416.80						
1803-3.36	Design Test Track	20JUN05A	7	24JUN05A	24JUN05A	0			100	6,416.80	6,416.80						
1803-3.39	Fab Test Track	27JUN05A	24*	29JUL05A	29JUL05A	0			100	56,326.60	56,326.60						
1803-3.40	Site Prep	27JUN05A	5	30JUN05A	30JUN05A	0			100	0.00	0.00						
1803-3.43	Assembly of Test Article	29JUL05A	5	29JUL05A	29JUL05A	0			100	11,923.20	11,923.20						
1803-3.46	Metrology set-up	29JUL05A	5	29JUL05A	29JUL05A	0			100	0.00	0.00						
1803-3.49	Run Test	29JUL05A	3	29JUL05A	29JUL05A	0			100	11,004.00	11,004.00						
1803-3.50	Test Evaluation and Write up	31AUG05A	0*	31AUG05A	31AUG05A	0			100	2,566.72	2,566.72						
1803-3.52	DECISION ON APPROACH		0	31AUG05A	31AUG05A	0			100	0.00	0.00						
1803-3.15	MC Crane load support sys	01DEC05*	46*	10FEB06	11NOV05	-57	293			0.00	0.00						
1803-3.60	Laser Screen Guide Mods	01DEC05*	46*	10FEB06	23NOV05	-49	274			0.00	0.00						
1803-3.62	VV support stand and misc fixtures	10OCT05A	63*	16JAN06	09DEC05	-20	293	75		0.00	0.00						
1803-3.64	Platform for flange bolting	17JAN06*	0*	16JAN06	06JAN06	-6	293			0.00	0.00						
1803-3.66	Metrology layout	17JAN06*	4*	20JAN06	20JAN06	0	293			0.00	0.00						
1803-3.07	Seismic Analysis check	23JAN06*	15*	10FEB06	10FEB06	0	293			0.00	27,849.60						
1803-3.15B	PDR Turning fixture & Base		0	10FEB06*	10FEB06*	0	293			0.00	0.00						
1803-3.15E	FDR Turning fixture & Base		0	08MAR06*	08MAR06*	0	275			0.00	0.00						
1803-3.07A	Prep Procurement Pkg	09MAR06*	35	26APR06	26APR06	0	275			0.00	0.00						
1803-3.08A	Issue RFP		0	26APR06	26APR06	0	275			0.00	0.00						
1803-3.08B	Recieve & Evaluate Bids	27APR06	25	01JUN06	01JUN06	0	275			0.00	0.00						
1803-3.15D	Award Fabrication Contract		0	02OCT06*	02OCT06*	0	189			0.00	0.00						
1803-3.15C	Fab Crane Support & Laser screens	03OCT06*	65	11JAN07	11JAN07	0	189			0.00	31,258.80						
<b>4.00-TF HP Assembly</b>																	
1803-4.01	Concept definition and requirements	01MAR05A	5	28MAR05A	28MAR05A	0			100	10,704.00	10,704.00						
1803-4.03	TF HP support turning fixture - model design d	01APR05A	15	30JUN05A	30JUN05A	0			100	14,265.00	14,265.00						
1803-5.002	TF Rotation Fixture plus dwgs start	02MAY05A	129*	30SEP05A	30SEP05A	0			100	32,592.00	32,592.00						
1803-4.06	TF Rotation Fixture plus dwgs complete	23JAN06*	15*	10FEB06	10FEB06	0	351			0.00	0.00						
1803-4.06A	Metrology layout	13FEB06*	10*	24FEB06	24FEB06	0	370			0.00	0.00						
1803-4.07	Structural / Seismic Analysis check	13FEB06*	30*	24MAR06	24MAR06	0	351			0.00	13,924.80						
1803-4.08	PDR Final FP Assy	28FEB06	1	28FEB06*	28FEB06*	0	369			0.00	0.00						
1803-4.081	FDR Final FP Assy	11APR06	1	11APR06*	11APR06*	0	340			0.00	0.00						
1803-4.10A	Prep & Issue Spec,dwgs,and req-pltfm&sprts	09OCT06*	10	20OCT06	20OCT06	0	214			0.00	0.00						



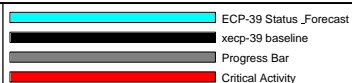
Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY06					FY07					FY08					FY09					FY10				
1803-4.13	FAB-TF Support Stands (1)	23OCT06	65	31JAN07	31JAN07	0	214			0.00	13,230.15																									
<b>5.00-Final FP Assembly</b>																																				
1803-4.02	MC Support Stand - model design and drawing	01APR05A	89	31MAY05A	31MAY05A	0			100	14,265.00	14,265.00																									
1803-5.001	Concept definition and requirements	02MAY05A	10	31MAY05A	31MAY05A	0			100	10,704.00	10,704.00																									
1803-4.04	FP Assembly platform - model design drawing	01AUG05A	65	30SEP05A	30SEP05A	0			100	21,397.50	21,397.50																									
1803-5.003	MC support stand	06MAR06*	25	07APR06	07APR06	0	261			0.00	0.00																									
1803-5.004	Structural Analysis	17MAY06*	8	26MAY06	26MAY06	0	254			0.00	13,924.80						Analyst=80hrs																			
1803-5.005	PDR	30MAY06	5	05JUN06*	05JUN06*	0	254			0.00	0.00																									
1803-5.006	FDR	05JUL06	5	11JUL06*	11JUL06*	0	234			0.00	0.00																									
1803-5.007	Pre & Issue Specs and Dwgs	12JUL06	5	18JUL06	18JUL06	0	234			0.00	0.00																									
1803-5.008	Procurement Lead Time	19JUL06	40	12SEP06	12SEP06	0	234			0.00	0.00																									
1803-5.009	Fabricate	02OCT06*	65	10JAN07	10JAN07	0	221			0.00	52,714.95																									
1803-5.100	FP Assy Platform	10APR06*	20	05MAY06	05MAY06	0	261			0.00	0.00																									
1803-5.200	Metrology layout/support stand dwgs	08MAY06*	5	12MAY06	12MAY06	0	264			0.00	0.00																									
<b>6.00-Interface/Test Activities</b>																																				
1803-5.01	Finalize TFTR test cell FPA assembly layout	01JUN05A	42	29JUL05A	29JUL05A	0			100	9,066.40	9,066.40																									
1803-5.03	Design MC assy test components	01JUN05A	25	30JUN05A	30JUN05A	0			100	32,112.00	32,112.00																									
1803-5.04	Fab - Test Articles	01JUL05A	65	30SEP05A	30SEP05A	0			100	19,215.00	19,215.00																									
1803-5.02A	Generate as built spherical seat dwg	01DEC05*	0	30NOV05	15NOV05	-9	413			0.00	0.00																									
1803-5.05	Run test/metrology measurements	01DEC05*	6	08DEC05	08DEC05	0	968			0.00	0.00																									
1803-5.02	TFTR Test Cell FPA arrgmt dwg	05JUN06*	15	23JUN06	23JUN06	0	834			0.00	0.00																									
<b>7.00-Oversight</b>																																				
1803-7.01	Meetings Prep and Reporting	01NOV04A	230	30SEP05A	30SEP05A	0			LOE	114,037.05	114,037.05																									
1803-7.02	Develop and maintain concept definition	01NOV04A	230	30SEP05A	30SEP05A	0			LOE	9,915.00	9,915.00																									
1803-7.03	Develop and maintain assembly plan document	01NOV04A	349	30SEP05A	30SEP05A	0			LOE	9,254.00	9,254.00																									
1803-7.04	Mike Cole's FY05 on-site involvement in	01NOV04A	230	30SEP05A	30SEP05A	0			LOE	24,800.00	24,800.00																									
1803-7.10	Tom Brown Engineering	03OCT05A	250	29SEP06	29SEP06	0	765		LOE	31,057.87	189,377.28																									
1803-7.20	Design Activity	03OCT05A	250	29SEP06	29SEP06	0	765		LOE	24,599.98	149,999.85																									
<b>Tooling Design &amp; Fabrication</b>																																				
713A.040	General procurements	02OCT06*	498	26SEP08	26SEP08	0	263			0.00	10,410.00																									
713A.050	Welding tools, materials & equip	02OCT06*	498	26SEP08	26SEP08	0	263			0.00	10,410.00																									
713A.060	Instl He gas piping from NSTX to D-site to NOT	02OCT06*	65	10JAN07	10JAN07	0	270			0.00	0.00																									
FY05CV-29	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				-148,000.00	-148,000.00																									
<b>Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS</b>																																				
<b>Metrology</b>																																				
740.010	Final Design Measurement systems	19JAN04A	181	30SEP04A	30SEP04A	0			LOE	26,000.00	26,000.00																									
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A	30JAN04A	0				0.00	0.00																									
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A	30JAN04A	0				0.00	0.00																									
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10	30APR04A	30APR04A	0			100	171,990.00	171,990.00																									
740.030A	Romer Arm Training	06JUL04A	3	08JUL04A	08JUL04A	0			100	0.00	0.00																									
740.031	Metrology Software Review		0	30JAN04A	30JAN04A	0				0.00	0.00																									

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in (days (21 days= 1 mo.))	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY									
												FY06	FY07	FY08	FY09	FY10					
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A	30JAN04A	0				0.00	0.00										
740.045	Purchase- second Faro Arm PE005330	01OCT04A	102	29OCT04A	29OCT04A	0			100	70,455.00	70,455.00										
1803-8	Metrology Support (moved from 1803)	01NOV04A	230*	30SEP05A	30SEP05A	0			LOE	101,133.00	101,133.00										
740.035	Deliver Metrology Software	01DEC05*	1	01DEC05	03OCT05	-41	968			0.00	0.00										
740.100	Romer CMM- spare probes	01DEC05*	65	09MAR06	11JAN06	-41	904			0.00	4,113.00										
740.105	Romer CMM-Software support&warranty	01DEC05*	208*	29SEP06	02OCT06	1	761			0.00	10,968.00										
740.106	Romer CMM-Software support&warranty	03OCT06*	249*	01OCT07	01OCT07	0	511			0.00	10,978.92										
740.107	Romer CMM-Software support&warranty	03OCT07*	249*	30SEP08	30SEP08	0	261			0.00	11,240.00										
740.108	Romer CMM-Software support&warranty	03OCT08*	259*	30SEP09	30SEP09	0	0			0.00	11,520.00										
740.110	Romer CMM-Laptop for 2nd arm	01DEC05*	0*	30NOV05	30SEP05	-41	969			0.00	0.00										
FY05CV-30	FY05 unrecoverable cost variance	01OCT04A	25*	30SEP05A	30SEP05A	0				68,000.00	68,000.00										
<b>Job:1810 - Field Period Assembly-VIOLA</b>																					
<b>Prep TFTR TC for Assembly operations</b>																					
740.020	Facility Prep	01NOV05A	228*	29SEP06	29SEP06	0	761			5,631.30	63,992.08										
S0P0-100	LOE Crane support, fixture setupfor TFTR TC.	01DEC05*	209*	29SEP06	29SEP06	0	765			0.00	70,282.72										
<b>Stage 1 VV Prep (instl diag &amp; insul)FP#1</b>																					
S1P1-101	Receive VV and inspect	30MAR06	1	30MAR06	06JAN06	-59	217			0.00	7,818.24										
S1P1-101A	Prep for mounting on fixture,Instl flanges	31MAR06	3	04APR06		0	217			0.00	0.00										
S1P1-102	Mount VV on VV Prep fixture (top side up)	05APR06	1	05APR06	09JAN06	-62	217			0.00	977.28										
S1P1-103	Establish metrology setting; align VV base	06APR06	4	11APR06	13JAN06	-62	217			0.00	5,863.68										
S1P1-103.1	Layout diagnostic&coolant paths on vsl w/templ	12APR06	30	23MAY06	16FEB06	-68	217			0.00	38,684.00										
S1P1-104	Install heater tape on vertical ports	24MAY06	4	30MAY06		0	217			0.00	0.00										
S1P1-105	Verify installation of heater tapes	31MAY06	1	31MAY06		0	217			0.00	0.00										
S1P1-107	Wind magnetic diagnostic sensors	01JUN06	60	24AUG06	25APR06	-85	217			0.00	77,368.00										
S1P1-107.1	Loop termination & verification	25AUG06	10	07SEP06	09MAY06	-85	217			0.00	13,030.40										
S1P1-106	Attach studs for coolant lines	08SEP06	12	25SEP06	01JUN06	-81	217			0.00	15,636.48										
S1P1-108	Install cooling/htg lines to vac vsl	26SEP06	24	27OCT06	06JUL06	-81	217			0.00	47,763.84										
S1P1-109	Verify Instl of H/C lines,headers,manifolds	30OCT06	5	03NOV06		0	217			0.00	0.00										
S1P1-110	Install local I&C (incl thermocouples)	06NOV06	7	14NOV06		0	217			0.00	0.00										
S1P1-111	Verify installation of local I&C	15NOV06	3	17NOV06		0	217			0.00	0.00										
S1P1-116	Prepare and transfer completed VV to holding	20NOV06	3	22NOV06	11JUL06	-96	217			0.00	5,991.84										
<b>Stage 1 VV Prep (instl diag &amp; insul)FP#2</b>																					
S1P2-101	Receive VV and inspect	19MAY06	1	19MAY06	02MAR06	-56	326			0.00	7,818.24										
S1P2-101A	Prep for mounting on fixture,Instl flanges	22MAY06	3	24MAY06		0	326			0.00	0.00										
S1P2-102	Mount VV on VV Prep fixture (top side up)	25MAY06	1	25MAY06	02OCT06	90	326			0.00	977.28										
S1P2-103	Establish metrology setting; align VV base	26MAY06	4	01JUN06	06OCT06	90	326			0.00	5,863.68										
S1P2-103.1	Layout diagnostic&coolant paths on vessel	02JUN06	15	22JUN06	24OCT06	87	326			0.00	19,545.60										
S1P2-104	Install heater tape on vertical ports	23JUN06	4	28JUN06		0	326			0.00	0.00										
S1P2-105	Verify installation of heater tapes	29JUN06	1	29JUN06		0	326			0.00	0.00										
S1P2-107	Wind magnetic diagnostic sensors	30JUN06	9	13JUL06	01NOV06	79	326			0.00	9,691.36										
S1P2-107.1	Loop termination & verification	14JUL06	15	03AUG06	15NOV06	74	326			0.00	13,030.40										

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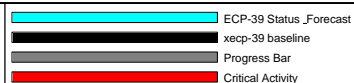
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Fiscal Year									
												FY06	FY07	FY08	FY09	FY10					
S3P1-107	Move left & right MC to final position &	01MAY07	2	02MAY07	23APR07	-7	126			0.00	3,994.56										
S3P1-108	Install shims ( as reqd); ream 24 holes	03MAY07	7	11MAY07	02MAY07	-7	126			0.00	23,301.60										
S3P1-109	Bolt together at flange interface.	14MAY07	2	15MAY07	04MAY07	-7	126			0.00	3,994.56										
S3P1-110	Perform final metrology position check	16MAY07	2	17MAY07	08MAY07	-7	126			0.00	2,663.04										
S3P1-110.1	Remove temp interference strips&sensors	18MAY07	1	18MAY07	09MAY07	-7	126			0.00	665.76										
S3P1-111	Secure VV to MC's using temporary supports.	21MAY07	2	22MAY07	11MAY07	-7	126			0.00	3,994.56										
S3P1-112	Prep& xfr completed assembly to Stage 4 area	23MAY07	1	23MAY07	14MAY07	-7	126			0.00	1,997.28										
<b>Stage 3 MC Instl (rotate MC over Vsl)-FP#2</b>																					
S3P2-101	Mount VV to MC turning fixt base; metr check	24MAY07	2	25MAY07	16MAY07	-7	179			0.00	3,994.56										
S3P2-101.1	Attach local protective strips to VV&locate sens	29MAY07	2	30MAY07	18MAY07	-7	179			0.00	2,663.04										
S3P2-102	Mount MC on crane; perform metr checks	03JUL07	2	04JUL07	25JUN07	-7	156			0.00	3,994.56										
S3P2-103	Rotate right MC to stand-off position&chk	05JUL07	3	09JUL07	28JUN07	-7	156			0.00	5,991.84										
S3P2-104	Transfer load to supt sys and recheck position	10JUL07	2	11JUL07	02JUL07	-7	156			0.00	3,994.56										
S3P2-105	Move MC turning fixt; mount MC on crane	09AUG07	1	09AUG07	31JUL07	-7	136			0.00	1,997.28										
S3P2-106	Rotate left MC to stand-off position and check	10AUG07	2	13AUG07	02AUG07	-7	136			0.00	3,994.56										
S3P2-107	Move left & right MC to final position &	14AUG07	2	15AUG07	06AUG07	-7	136			0.00	3,994.56										
S3P2-108	Install shims ( as reqd); ream 24 holes	16AUG07	7	24AUG07	15AUG07	-7	136			0.00	23,301.60										
S3P2-109	Bolt together at flange interface.	27AUG07	2	28AUG07	17AUG07	-7	136			0.00	3,994.56										
S3P2-110	Perform final metrology position check	29AUG07	2	30AUG07	21AUG07	-7	136			0.00	2,663.04										
S3P2-110.1	Remove temp interference strips&sensors	31AUG07	1	31AUG07	22AUG07	-7	136			0.00	665.76										
S3P2-111	Secure VV to MC's using temporary supports.	03SEP07	2	04SEP07	24AUG07	-7	136			0.00	3,994.56										
S3P2-112	Prep& xfr completed assembly to Stage 4 area	05SEP07	1	05SEP07	27AUG07	-7	136			0.00	1,997.28										
<b>Stage 3 MC Instl (rotate MC over Vsl)-FP#3</b>																					
S3P3-101	Mount VV to MC turning fixt base; metr check	06SEP07	2	07SEP07	29AUG07	-7	188			0.00	3,994.56										
S3P3-101.1	Attach local protective strips to VV&locate sens	10SEP07	2	11SEP07	31AUG07	-7	188			0.00	2,663.04										
S3P3-102	Mount MC on crane; perform metr checks	17SEP07	2	18SEP07	07SEP07	-7	185			0.00	3,994.56										
S3P3-103	Rotate right MC to stand-off position&chk	19SEP07	3	21SEP07	12SEP07	-7	185			0.00	5,991.84										
S3P3-104	Transfer load to supt sysand recheck position	24SEP07	2	25SEP07	14SEP07	-7	185			0.00	3,994.56										
S3P3-105	Move MC turning fixt; mount MC on crane	07DEC07	1	07DEC07	26NOV07	-7	135			0.00	2,051.04										
S3P3-106	Rotate left MC to stand-off position and check	10DEC07	2	11DEC07	28NOV07	-7	135			0.00	4,102.08										
S3P3-107	Move left & right MC to final position &	12DEC07	2	13DEC07	04DEC07	-7	135			0.00	4,102.08										
S3P3-108	Install shims ( as reqd); ream 24 holes	14DEC07	7	02JAN08	13DEC07	-7	135			0.00	23,928.80										
S3P3-109	Bolt together at flange interface.	03JAN08	2	04JAN08	17DEC07	-7	135			0.00	4,102.08										
S3P3-110	Perform final metrology position check	07JAN08	2	08JAN08	19DEC07	-7	135			0.00	2,734.72										
S3P3-110.1	Remove temp interference strips&sensors	09JAN08	1	09JAN08	20DEC07	-7	135			0.00	683.68										
S3P3-111	Secure VV to MC's using temporary supports.	10JAN08	2	11JAN08	02JAN08	-7	135			0.00	4,102.08										
S3P3-112	Prep& xfr completed assembly to Stage 4 area	14JAN08	1	14JAN08	03JAN08	-7	135			0.00	2,051.04										
<b>Station 5 - TF HP Pre-Assy (bolt 3 TF together)</b>																					
184-100	Assemble 3 TF coils&structure -Left-Period #1	13APR07	15	03MAY07	03MAY07	0	161			0.00	37,110.40										
184-105	Assemble 3 TF coils&structure -Right -Period	04MAY07	10	17MAY07	17MAY07	0	161			0.00	37,110.40										
184-110	Assemble 3 TF coils&structure -Left-Period #2	31MAY07	10	13JUN07	13JUN07	0	217			0.00	37,110.40										
184-115	Assemble 3 TF coils&structure -Right -Period	17JUL07	10	30JUL07	30JUL07	0	195			0.00	37,110.40										

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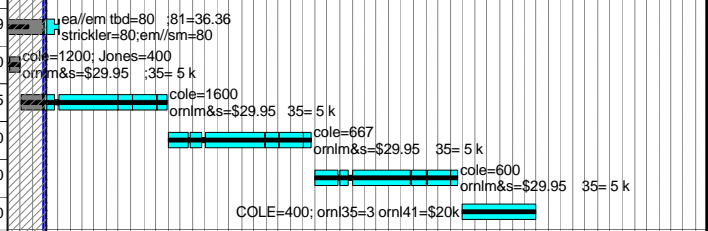
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Budget				
												FY06	FY07	FY08	FY09	FY10
192-6.06	Coil positions to minimize islands.	02FEB04A	270	28FEB05A	28FEB05A	0			100	66,401.76	66,401.76					
192-6.031	Demo Method for current center on TRC	18JUN05A	133*	03JAN06	21OCT05	-44	956		90	64,802.78	72,003.09					
0192-5	LOE-FY05 WBS 192	01OCT04A	249*	30SEP05A	30SEP05A	0			LOE	280,350.00	280,350.00					
0192-6	LOE-FY06 WBS 192	03OCT05A	249*	29SEP06	29SEP06	0	519		LOE	51,559.44	312,481.45					
0192-6X	LOE-FY07 WBS 192	03OCT06*	242	20SEP07	20SEP07	0	518		LOE	0.00	158,033.60					
0192-7	LOE-FY08 WBS 192	03OCT07*	242	19SEP08	19SEP08	0	268		LOE	0.00	151,531.40					
0192-99	LOE-FY09	01OCT08*	130	31MAR09	31MAR09	0	131		LOE	0.00	101,860.00					
FY05CV-31	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				9,000.00	9,000.00					



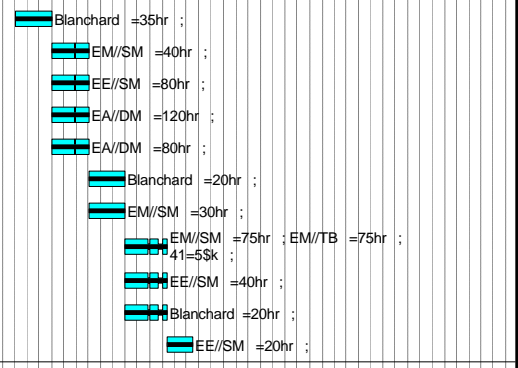
**2 - Plasma Heating, Fueling & Vac Systems**

**21 - Fueling Systems**

**Job: 2101 - Fueling Systems**

ECP 16 October 2004

21-10	Eng. Work Planning and Design	02JAN07*	65	02APR07	02APR07	0	227			0.00	6,205.50
21-15	Design Gas Handling Hardware	03APR07	65	03JUL07	03JUL07	0	227			0.00	5,240.00
21-20	Design PLC Controls	03APR07	65	03JUL07	03JUL07	0	292			0.00	10,353.60
21-25	Electrical Drafting for pumping system	03APR07	65	03JUL07	03JUL07	0	292			0.00	14,203.20
21-30	Drafting	03APR07	65	03JUL07	03JUL07	0	292			0.00	9,468.80
21-35	Eng. Work Planning and Design during fab	04JUL07	65	02OCT07	02OCT07	0	292			0.00	3,548.94
21-40	Fabrication/Install Hardware	04JUL07	65	02OCT07	02OCT07	0	227			0.00	3,933.25
21-45	Fabrication/installation	03OCT07	65	14JAN08	14JAN08	0	227			0.00	23,523.50
21-55	Install PLC Controls	03OCT07	65	14JAN08	14JAN08	0	227			0.00	5,316.40
21-60	Integrated Systems Testing/Eng	03OCT07	65	14JAN08	14JAN08	0	227			0.00	3,641.60
21-65	Integrated Systems Testing/Tech Support	15JAN08	45	17MAR08	17MAR08	0	227			0.00	2,658.20



**22 - Torus Vacuum Pumping Systems**

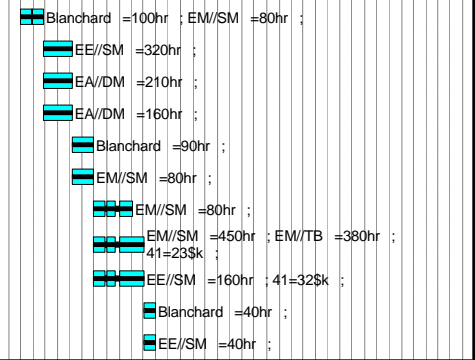
**Job: 2001-VPS,Gas& Cond Sys Oversight-BLANCHARD**

Prior Costs

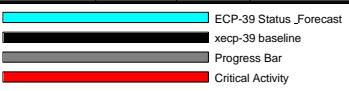
2001-001	Apr-May MIE Cost	01APR03A	43*	30MAY03A	30MAY03A	0			100	38,000.00	38,000.00
2001-100	PDR Support	01JUN03A	164*	30SEP03A	30SEP03A	0			LOE	25,667.20	25,667.20

**Job: 2201 - Vacuum Pumping Systems**

22-25	Eng. Work Planning and Design	01MAY07*	40	26JUN07	26JUN07	0	230			0.00	28,210.00
22-30	Design PLC based control system	27JUN07	50	04SEP07	04SEP07	0	270			0.00	41,414.40
22-35	Electrical Drafting for pumping system	27JUN07	50	04SEP07	04SEP07	0	290			0.00	24,855.60
22-40	Drafting	27JUN07	50	04SEP07	04SEP07	0	230			0.00	18,937.60
22-45	Eng. Work Planning and Design during fab	05SEP07	40	30OCT07	30OCT07	0	250			0.00	16,193.61
22-50	Perform maint. & repair of pmpg sys	05SEP07	40	30OCT07	30OCT07	0	230			0.00	10,634.88
22-55	Repair and Calibration of vac instrumentation	31OCT07	60	04FEB08	04FEB08	0	250			0.00	10,761.60
22-60	Fabrication/installation	31OCT07	80	03MAR08	03MAR08	0	230			0.00	125,323.80
22-65	Fab PLC conrols	31OCT07	80	03MAR08	03MAR08	0	230			0.00	66,225.60
22-70	Integrated Systems Testing/Eng	04MAR08	20	31MAR08	31MAR08	0	230			0.00	7,283.20
22-75	Integrated Systems Testing/Tech Support	04MAR08	20	31MAR08	31MAR08	0	230			0.00	5,316.40



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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY				
												FY06	FY07	FY08	FY09	FY10

**25 - Neutral Beam Injection System**

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

**FY04 Work Plan**

2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A	30JUN04A	0				81,334.78	81,334.78
2501-014.1	FY04 work closeout *TBD*	01JUL04A	64*	30SEP04A	30SEP04A	0			LOE	48,614.06	48,614.06
<b>Prior Costs</b>											
2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A	30SEP03A	0			100	123,000.00	123,000.00
<b>Refurbishment**CD-3 deleted scope</b>											
25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A	30JUN04A	0				21,384.62	21,384.62
<b>Re-Install Beamline**CD-3 deleted scope</b>											
25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A	30JUN04A	0				2,060.33	2,060.33
<b>Re-Install Cables**CD-3 deleted scope</b>											
25-225.1	Cabling-Design & W/P Procedures	01APR04A	872*	30JUN04A	30JUN04A	0				4,812.60	4,812.60
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A	30JUN04A	0				727.68	727.68
<b>Beamline Connections**CD-3 deleted scope</b>											
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A	30JUN04A	0				2,433.60	2,433.60

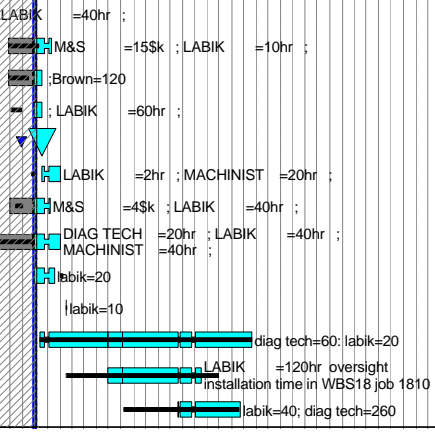
**3 - Diagnostics**

**31 - Magnetic Diagnostics**

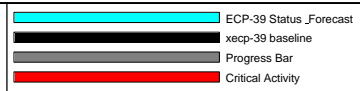
**Job: 3101 Magnetic Diagnostics**

**Vacuum Vessel Saddle Loops**

3101-105	DEVELOP LOCATING, MOUNTING	01JAN05A	20	31JAN05A	31JAN05A	0			100	1,000.00	1,000.00
3101-109	INTEGRATE LOOP AND LEAD DESIGN	01JAN05A	40	28FEB05A	28FEB05A	0			100	6,416.80	6,416.80
3101-113	INTEGRATE LAYOUT, MEAS NEEDS W/ VSL	01JAN05A	40	28FEB05A	28FEB05A	0			100	3,208.40	3,208.40
3101-117	DEVELOP CONSTRAINTS FOR ARRAY	01JAN05A	20	31JAN05A	31JAN05A	0			100	0.00	0.00
3101-121	LAYOUT CANDIDATE SENSOR ARRAY ON	01FEB05A	20	28FEB05A	28FEB05A	0			100	0.00	0.00
3101-125	PDR PREP -VESSEL SADDLE LOOP	02MAY05A	5	31MAY05A	31MAY05A	0			100	9,483.60	9,483.60
3101-126	PEER REVIEW -VESSEL SADDLE LOOP		0	31MAY05A	31MAY05A	0			100	0.00	0.00
3101-129	DESIGN AND PROTOTYPE SADDLE LOOP	01MAR05A	107*	29JUL05A	29JUL05A	0			100	7,643.52	7,643.52
3101-133	Prototype loops on vsl proto segment using	01MAR05A	107*	29JUL05A	29JUL05A	0			100	6,189.20	6,189.20
3101-137	FINAL OPTIMIZATION OF LOOP LOCATION	01JAN05A	193*	30SEP05A	30SEP05A	0			100	0.00	0.00
3101-149	PREPARE METROLOGY	01JUN05A	87*	31AUG05A	31AUG05A	0			100	6,416.80	6,416.80
3101-145	Procure MI Cable	26SEP05A	68*	09JAN06	09DEC05	-15	138		50	11,095.61	22,191.22
3101-139	Develop ProE model of loops, flat dev, fiducials	26SEP05A	57*	15DEC05	15NOV05	-20	963		66	13,724.34	20,794.46
3101-141	FDR PREP- VESSEL SADDLE LOOPS	01DEC05*	11*	15DEC05	28OCT05	-32	290			0.00	10,410.60
3101-142	FDR - VESSEL SADDLE LOOPS		0	15DEC05	28OCT05	-32	290			0.00	0.00
3101-153	Fab Installation Templates	16DEC05*	26*	30JAN06	30NOV05	-37	303			0.00	2,911.02
3101-146	Procure remaining materials	01OCT05A	62*	06JAN06	01NOV05	-40	935		20	2,484.88	12,424.40
3101-157	Design & fab tooling and clamps	01JUN05A	165*	30JAN06	30NOV05	-37	303		60	7,715.56	12,859.26
3101-167	Design voltage loops	01DEC05	27*	16JAN06	08FEB06	17	433			0.00	3,470.20
3101-169	Voltage loop connection peer review	15FEB06*	1	15FEB06	15FEB06	0	412			0.00	1,735.10
3101-165	Identify lead wires at multiple locations	15DEC05*	357*	21MAY07	21MAY07	0	607			0.00	8,437.42
3101-161	SUPT LOOP INSTL 200 LOOPS), TESTING	01JUN06	155*	16JAN07	27FEB07	30	284			0.00	21,023.66
3101-225	Terminate saddle loops	20NOV06	103*	23APR07	19APR07	-2	284			0.00	28,729.20



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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY				
												FY06	FY07	FY08	FY09	FY10
<b>Modular Coil C-wound Loops</b>																
3101-205	MOUNTING/LOCATING STRATEGY MC	01JAN05A	20	31JAN05A	31JAN05A	0			100	3,208.40	3,208.40					
3101-209	PROTOTYPE ON TWISTED RACETRACK	01MAR05A	20	31MAR05A	31MAR05A	0			100	4,741.80	4,741.80					
3101-213	DESIGN TERMINATION	01MAR05A	130*	31AUG05A	31AUG05A	0			100	7,302.40	7,302.40	LABIK	=20hr ;	MECH DESIGN =40 ;		
3101-221	PROCURE MATERIALS	25JUL05A	0*	29JUL05A	29JUL05A	0			100	6,410.90	6,410.90					
3101-217	Peer review of lead routing	01DEC05*	5*	07DEC05	07NOV05	-20	155			0.00	6,940.40					
3101-230	Install heat shrink tubing on MI cable	10JAN06*	10	23JAN06	23DEC05	-15	138			0.00	12,068.40					
3101-229	SUPPORT NSTALLATION, TERMINATION,	01DEC05	377*	05JUN07	04JUN07	-1	146			0.00	7,007.96					
3101-231	Terminate MC co-wound loops	23MAY07	159*	14JAN08	03JAN08	-7	135			0.00	11,535.28					
<b>Rogowski Coils</b>																
3101-301	LAYOUT LOCATION ROWGOSKI COIL	01JUN05A	139*	15DEC05	15DEC05	0	410	80		3,908.45	4,885.57	STRATTON	=10hr ;	LABIK =20hr ;		
3101-305	work on coil design with vendor	03OCT05A	99*	28FEB06	01MAR06	1	916	20		694.04	3,470.20	LABIK	=20hr ;			
3101-309	DESIGN COIL MOUNTING TECHNIQUE	26SEP05A	104*	28FEB06	08MAR06	6	343	80		2,766.09	3,457.61	LABIK	=20hr ;			
3101-313	DESIGN LEAD ROUTING AND	01MAR06*	20	28MAR06	05APR06	6	343			0.00	3,470.20	LABIK	=20hr ;			
3101-317	PDR PREP- ROWGOWSKI COIL	29MAR06*	20	25APR06	03MAY06	6	343			0.00	5,126.10	STRATTON	=10hr ;	LABIK =20hr ;		
3101-318	PDR - ROWGOWSKI COIL		0	25APR06*	03MAY06*	6	343			0.00	0.00					
3101-321	Specify Rogowski Coils	26APR06*	10	09MAY06	17MAY06	6	343			0.00	3,470.20	LABIK	=20hr ;			
3101-325	FDR PREP ROWGOSKI COIL	10MAY06*	10	23MAY06	01JUN06	6	343			0.00	3,470.20	LABIK	=20hr ;			
3101-326	FDR - ROWGOSKI COIL		0	23MAY06	01JUN06	6	343			0.00	0.00					
3101-329	FAB ROWGOWSKI COILS (2)	24MAY06	10	07JUN06	15JUN06	6	343			0.00	24,035.20	M&S	=15\$K ;	LABIK =20hr ;		
3101-337	INSTALL COILS AND TERMINATIONS	23MAY07	159*	14JAN08	03JAN08	-7	135			0.00	4,427.92					
<b>TF Co-wound Loops</b>																
3101-401	MOUNTING/LOCATING TECHNIQUE TF	25JUL05A	28*	31AUG05A	31AUG05A	0		100		6,275.20	6,275.20	STRATTON	=20hr ;	LABIK =20hr ;		
3101-405	DESIGN TERMINATION N/R	01DEC05	1	01DEC05	03OCT05	-41	973			0.00	0.00					
3101-409	FINALIZE LOOP LOCATION/MOUNTING	01AUG05A	20	31AUG05A	31AUG05A	0		100		6,416.80	6,416.80	LABIK	=40hr ;			
3101-417	PROCURE MATERIALS	03APR06*	8	12APR06	12APR06	0	282			0.00	10,325.20	M&S	=05\$K ;	LABIK =20hr ;		
3101-425	INSTALL TF CO-WOUND LOOPS	30MAY06	350*	15OCT07	15OCT07	0	187			0.00	0.00					
3101-429	INSTALL TERMINATIONS	23MAY07	159*	14JAN08	03JAN08	-7	135			0.00	8,636.11					
<b>Modular Coil Shell Saddle Loops</b>																
3101-501	DETERMINE NUMEBR AND LOCATION OF	03APR06*	59	23JUN06	23JUN06	0	774			0.00	6,623.60	STRATTON	=40hr ;			
3101-505	MOUNTING/LOCATING TECHN MC SHELL	26JUN06	20	24JUL06	24JUL06	0	774			0.00	6,782.00	STRATTON	=20hr ;	LABIK =20hr ;		
3101-513	PDR PREP -MC SHELL SADDLE LOOPS	25JUL06*	11	08AUG06	09AUG06	1	774			0.00	5,126.10	STRATTON	=10hr ;	LABIK =20hr ;		
3101-514	PDR-MC SHELL SADDLE LOOPS		0	08AUG06	09AUG06	1	774			0.00	0.00					
3101-521	FINALIZE LOOP LOCATION/MOUNTING	09AUG06*	8	18AUG06	21AUG06	1	774			0.00	10,252.20	LABIK	=40hr ;	stratton=20		
3101-525	FDR PREP - MC SHELL SADDLE LOOPS	21AUG06	11	04SEP06	05SEP06	1	774			0.00	6,940.40	LABIK	=40hr ;			
3101-526	FDR - MC SHELL SADDLE LOOPS		0	04SEP06	05SEP06	1	774			0.00	0.00					
3101-529	PROCURE MATERIALS	05SEP06	10	18SEP06	19SEP06	1	774			0.00	10,325.20	M&S	=05\$K ;	LABIK =20hr ;		
3101-533	INSTALL MC SHELL SADDLE LOOPS	12JAN07	232*	06DEC07	23NOV07	-7	135			0.00	7,130.73					
3101-537	INSTALL TERMINATIONS	23MAY07	120	07NOV07	29OCT07	-7	174			0.00	8,592.87					
<b>Termination Boxes</b>																
3101-333	Complete termination box design & prototyping	26SEP05A	47*	31OCT05A		1		100		10,833.80	10,833.80	LabiK=20;	guttadora=60			
3101-421	FDR of terminations incl in saddle loop FDR	09JAN06*	1	09JAN06	02NOV05	-40	935			0.00	0.00					

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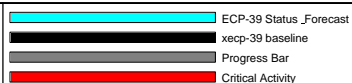
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												FY06	FY07	FY08	FY09	FY10
3101-517	Fab termination boxes (24)	10JAN06*	17*	01FEB06	01FEB06	0	935			0.00	55,597.50	labik=90;machinist=80; diag tech=365				
3101-517A	Install termination boxes	26SEP06	142*	23APR07	19APR07	-2	284			0.00	34,136.23	labik=80;machinist=80; diag tech=240				
FY05CV-32	FY05 unrecoverable cost variance	01OCT04A	25†	30SEP05A	30SEP05A	0				30,000.00	30,000.00					
<b>36 - Edge and Divertor Diagnostics</b>																
<b>Job: 3601 - Edge and Divertor Diagnostics</b>																
361-001	Design Visible Camera sys	04SEP07	40	29OCT07	29OCT07	0	186			0.00	11,997.15	R//RM2 =28hr ; EM/EM =40hr ;				
361-015	Fab/Assy/Installation Visible Camera	30OCT07*	130	08MAY08	08MAY08	0	186			0.00	33,584.00	R//RM2 =98hr ; EM/EM =20hr ; EM//SM =96hr ; 41=0\$K ; use existing camera				
<b>38 - Electron Beam (EB) Mapping</b>																
<b>Job: 3801 - Electron Beam Mapping</b>																
380-010	Design-Beam Probe,Fluor. Screen	12OCT07	40	10DEC07	10DEC07	0	186			0.00	46,167.80	R//RM2 =70hr ; EM/EM =120hr ; EA/DM =100hr ;				
380-015	Fab & Install Beam probe	11DEC07*	102	08MAY08	08MAY08	0	186			0.00	160,029.00	R//RM2 =160hr ; EE/EM =60hr ; EM//EM =160hr ; EE//SM =80hr ; em//sm=170;41=42				
<b>39 - Diagnostics Integration</b>																
<b>Job: 3901 - Diagnostics sys Integration-JOHNSON</b>																
<b>Prior Costs</b>																
390-001	LOE Support FY03	01APR03A	151*	30SEP03A	30SEP03A	0		100		155,450.00	155,450.00					
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A	30JUN04A	0		100		0.00	0.00					
390-110	Resolve port interferences.Final port config		0	30JUN04A	30JUN04A	0		100		0.00	0.00					
390-120	Update port map&revise diag port assignments		0	31OCT05A	30SEP05*	-21		100		0.00	0.00					
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	30NOV05*	30SEP05*	-41	969	100		0.00	0.00					
390-140	Write ICD's-Define external space for		0	30JAN06*	30SEP05*	-78	932	50		0.00	0.00					
390-150	Write ICD's-Define space //tracks in cntrl rm		0	30JAN06*	30SEP05*	-78	932	50		0.00	0.00					
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A	30JUN04A	0		100		0.00	0.00					
390-170	Develop space envelopes for SXR		0	30NOV05*	30SEP05*	-41	969	95		0.00	0.00					
390-180	Hold CDR's co-wound mag sensors&ext		0	31OCT05A	30SEP05*	-21		100		0.00	0.00					
390-010	LOE Support FY04	01OCT03A	250*	30SEP04A	30SEP04A	0		LOE		65,000.00	65,000.00					
390-015	LOE Support FY05 **reduced scope	01OCT04A	249*	30SEP05A	30SEP05A	0		LOE		66,357.30	66,357.30	R//RM2 =177hr ; EM//EM =0 EA/DM =0 ;r//rm3=177				
390-020	LOE Support FY06	03OCT05A	249*	29SEP06	29SEP06	0	761			11,634.98	70,515.03	R//RM2 =177hr ; EM//EM =0 EA/DM =0 ;r//rm3=177				
FY05CV-33	FY05 unrecoverable cost variance	01OCT04A	25†	30SEP05A	30SEP05A	0				-12,000.00	-12,000.00					
<b>4 - Electrical Power Systems</b>																
<b>41 - AC Power</b>																
<b>Job: 4101 - AC Power-RAMAKRISHNAN</b>																
<b>411 - Auxiliary AC Power Systems</b>																
4101-100	Prepare Preliminary One line diagram	01MAR04A	173*	30SEP04A	30SEP04A	0		100		8,442.00	8,442.00					
4101-100.1	Prepare Preliminary One line diagram	06OCT06*	173	18JUN07	18JUN07	0	584			0.00	1,076.96	vankirk =16hr ; raki =24hr ; ee//sm=16; ee//tb=32				
411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	06OCT06*	241	24SEP07	24SEP07	0	516			0.00	60,631.46	vankirk=26;raki=62;ee//sm=62 ee//tb=104;M&S=6;Powers=\$16k				
411-2-2	Grounding-Dsn	02OCT06*	86	08FEB07	08FEB07	0	364			0.00	31,305.04	VANKIRK =160hr ; Raki =72hr ;				
411-2-4	Grounding-Procure	09FEB07*	107	11JUL07	11JUL07	0	364			0.00	6,855.00	41=05\$K ;				

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget							
												FY06	FY07	FY08	FY09	FY10		
411-2-6	Grounding-Install	10MAY07*	43	11JUL07	11JUL07	0	364			0.00	64,912.20							
411-2-8	Grounding-Commission	12JUL07*	29	21AUG07	21AUG07	0	364			0.00	16,005.68							
411-3-2	Test Cell AC Power Distr-Dsn	02OCT06*	186	29JUN07	29JUN07	0	400			0.00	3,741.36							
411-3-2.04	Test Cell AC Power fy04	01APR04A	186*	30SEP04A	30SEP04A	0			100	73,000.00	73,000.00							
411-3-4	Test Cell AC Power Distr-Procure(pnl's &	01JUL05A	107*	30NOV06	30NOV06	0	544		20	8,956.74	44,783.72							
411-3-6	Test Cell AC Power Distr-Install	28SEP06*	358	14SEP07	14SEP07	0	347		50	15,151.38	30,302.73							
411-3-8	Test Cell AC Power Distr-Commission	13JUL07*	45	14SEP07	14SEP07	0	347			0.00	32,011.36							
411-4-2	Standby Power for Cryo Sys -Dsn	01DEC05	0	30NOV05	30SEP05	-41	969			0.00	0.00							
411-4-4	Standby Power for Cryo Sys -Procure	01DEC05	0	30NOV05	30SEP05	-41	969			0.00	0.00							
411-4-6	Standby Power for Cryo Sys -Install	01DEC05	0	30NOV05	30SEP05	-41	969			0.00	0.00							
<b>412 - Experimental AC Power Systems</b>																		
412-1-2	D-site Pulsed AC Power Distr-Dsn	02OCT06*	128	09APR07	09APR07	0	236			0.00	11,605.20							
412-1-4	D-site Pulsed AC Power Distr-Procure	10APR07	125	04OCT07	04OCT07	0	236			0.00	6,860.44							
412-1-6	D-site Pulsed AC Power Distr-Install	05OCT07	40	03DEC07	03DEC07	0	236			0.00	18,215.68							
412-1-8	D-site Pulsed AC Power Distr-Commission	04DEC07	40	05FEB08	05FEB08	0	236			0.00	10,866.80							
FY05CV-34	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				2,000.00	2,000.00							
<b>43 - DC Systems</b>																		
<b>Job: 4301 - DC Systems-RAMAKRISHNAN</b>																		
<b>431 - C-Site DC Systems</b>																		
431-200	Condition/spare parts inventory	01OCT04A	371*	31MAR06	31MAR06	0	888	95		16,852.08	17,739.04							
431-210	Organize & verify documentation	01OCT04A	371*	31MAR06	31MAR06	0	888	95		43,123.43	45,393.09							
431-215	Document status	01OCT04A	371*	31MAR06	31MAR06	0	888	90		5,753.57	6,392.85							
431-225	Reactivate DF & PEI units	01JUL05A	186*	31MAR06	31MAR06	0	888	90		10,723.80	11,915.33							
431-230	Load test	01JUL05A	186*	31MAR06	31MAR06	0	888	90		14,520.75	16,134.16							
431-240	Simulate each of 6 pwr loops in PSCAD	01DEC05*	81*	31MAR06	31MAR06	0	888			0.00	13,447.20							
431-250	c-site dc sys DGS dsn documentation	01DEC05*	81*	31MAR06	31MAR06	0	888			0.00	7,322.64							
431-260	Power loop design	01NOV04A	350*	31MAR06	31MAR06	0	888	99		111,800.23	112,929.53							
431-265	Fabricate bus components	01DEC05*	185	28AUG06	29JUN06	-41	784			0.00	17,600.64							
431-275	Power cabling & Installation	02OCT06*	121	29MAR07	29MAR07	0	492	15D		5,413.10	212,665.93							
431-276	Maint of C-site rectifiers	03OCT05A	249*	29SEP06		0	761	10		0.00	0.00							
FY05CV-35	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				69,000.00	69,000.00							
<b>44 - Control and protection Systems</b>																		
<b>Job: 4401 - Control &amp; Protection-RAMAKRISHNAN</b>																		
<b>441 - Electrical Interlocks</b>																		
441-095	Design Interlock sys	03OCT06*	118	27MAR07	27MAR07	0	224			0.00	32,679.20							
441-097	Install Interlock sys	28MAR07	119	13SEP07	13SEP07	0	309			0.00	29,272.00							
441-100	PLC Specification	28MAR07	85	26JUL07	26JUL07	0	224			0.00	14,118.32							
441-105	Prep Block diagrams	28MAR07	85	26JUL07	26JUL07	0	224			0.00	17,224.40							
441-110	PLC CWD's & Cabling	27JUL07*	85	23NOV07	23NOV07	0	224			0.00	22,685.24							
441-115	deliver PLC	27JUL07*	85	23NOV07	23NOV07	0	472			0.00	70,250.00							









Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Budget					
												FY06	FY07	FY08	FY09	FY10	
<b>45 - Power System Design and Integration</b>																	
<b>Job: 4501 - Power Sys Dsn &amp; Integr-RAMAKRISHNAN</b>																	
<b>Prior Costs</b>																	
4501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A	30SEP03A	0			100	112,340.00	112,340.00						
<b>451 - System Design &amp; Interfaces</b>																	
4501-100	Design Drawings	02FEB04A	193*	30SEP04A	30SEP04A	0			100	19,807.80	19,807.80						
4501-110	Calculations-FY04	01MAR04A	151*	30SEP04A	30SEP04A	0			100	0.00	0.00						
451-0-1	C-Site Decision	30APR04A	0	30APR04A	30APR04A	0			100	0.00	0.00						
451-7-2	FDR DC transmission-Dsn	01MAY04A	0*	28MAY04A	28MAY04A	0			100	10,084.00	10,084.00						
451-7-20	FDR DC transmission		0	28MAY04A	28MAY04A	0			100	0.00	0.00						
451-0-2	Develop SRD	01DEC05	21	06JAN06	31OCT05	-41	948			0.00	0.00						
451-3-2	Dwgs,asbuilt -Elect Dsn	02OCT06*	500*	30SEP08	30SEP08	0	261			0.00	166,541.26						
451-2-1	CDR Power system -Dsn	01DEC04A	208*	31AUG05A	31AUG05A	0			100	41,299.20	41,299.20	vankirk=160;raki=160					
451-2-2	PDR Power system -Dsn	01DEC05	40	02FEB06	01DEC05	-39	719			0.00	45,427.20	vankirk=160;raki=160					
451-6-2	FDR C-Site -Cabling	01SEP05A	99*	30JAN06	30NOV05	-37	932	20		6,682.73	33,413.67	VANKIRK =120hr ; Raki =120hr ;					
451-2-2.1	FDR C-Site	01NOV05A	270*	30NOV06	30NOV06	0	719	20		6,841.30	34,206.48	VANKIRK =120hr ; Raki =120hr ;					
451-4-2	FDR AC auxiliaries & grounding-Dsn	02JUL07*	45	04SEP07	04SEP07	0	530			0.00	11,605.20	VANKIRK =40hr ; Raki =40hr ;					
451-1-2	Calculations-Dsn	01DEC05*	457*	28SEP07	28SEP07	0	512			0.00	55,368.09	Raki =320hr ;design=8					
<b>452 - Electrical Systems Support</b>																	
452-1-2	Diagnostics AC Power Distr-Dsn	03OCT06*	72	22JAN07	22JAN07	0	186			0.00	89,492.00	EA/DM =640hr ; Raki =80hr ;					
452-1-4	Diagnostics AC Power Distr-Procure	23JAN07	182	08OCT07	08OCT07	0	186			0.00	1,372.12	41=01\$K ;					
452-1-6	Diagnostics AC Power Distr-Install	09OCT07	105	13MAR08	13MAR08	0	186			0.00	79,841.60	EE//EM =80hr ; EE//SM =80hr ; EE//TB =640hr ;					
452-1-8	Diagnostics AC Power Distr-Commission	19MAR08	37	08MAY08	08MAY08	0	186			0.00	31,462.80	EE//EM =40hr ; EE//SM =80hr ; EE//TB =160hr ;					
452-2-2	Diagnostics sensor cabling-Dsn	03OCT06*	61	05JAN07	05JAN07	0	234			0.00	25,808.40	EA//DM =160hr ; Raki =40hr ;					
452-2-4	Diagnostics sensor cabling-Procure	08JAN07	185	26SEP07	26SEP07	0	234			0.00	2,742.00	41=02\$K ;					
452-2-6	Diagnostics sensor cabling-Install	27SEP07	65	07JAN08	07JAN08	0	234			0.00	22,242.90	EE//EM =24hr ; EE//SM =32hr ; EE//TB =160hr ;					
452-2-8	Diagnostics sensor cabling-Commission	08JAN08	40	03MAR08	03MAR08	0	234			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	20FEB07	0	345			0.00	69,631.20	EA/DM =240hr ; EE//EM =240hr ;					
453-1-4	Preop Testing-Procure test equip	21FEB07*	160	05OCT07	05OCT07	0	345			0.00	34,301.56	41=25\$K ;					
453-1-8	Testing PTPs, ISTPs	19OCT07*	100	18MAR08	18MAR08	0	236			0.00	213,785.76	EE//SM =240hr ; EE//TB =376hr ;ee//em=768 ;41=					
FY05CV-37	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				-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	30SEP03A	0			100	1,300.00	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	Preliminary Design (Title I)	01OCT07*	45	04DEC07	04DEC07	0	239			0.00	6,260.40	EC//EM =40hr ;					
51-20	Final Network Design (Title II)	05DEC07	20	09JAN08	09JAN08	0	239			0.00	6,260.40	EC//EM =40hr ;					

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Fiscal Year							
												FY06	FY07	FY08	FY09	FY10			
51-30	Installation, Testing, Documentation (Title III)	10JAN08	120	26JUN08	26JUN08	0	239			0.00	267,865.10						EA/DM =160hr ; EC//EM =220hr ; EE//SM =740hr ; 41=82\$K ;		
<b>52 - Central Instrumentation &amp; Control</b>																			
<b>5201 - I&amp;C Systems</b>																			
52-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	05NOV07	0	138			0.00	22,288.16						EC//EM =144hr ;		
52-20	Final Design (Title II)	06NOV07	87	17MAR08	17MAR08	0	138			0.00	54,935.01						EC//EM =351hr ;		
52-30	Installation, Testing, Documentation (Title III)	18MAR08	173	18NOV08	18NOV08	0	138			0.00	452,889.24						EC//SM =600hr ; EC//EM =1172hr ; 41=139\$K ;		
<b>53 - Data Acquisition &amp; Facility Computing</b>																			
<b>5301 - Data Acquisition</b>																			
53-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	05NOV07	0	160			0.00	26,312.41						EC//EM =170hr ;		
53-20	Final Design (Title II)	06NOV07	65	14FEB08	14FEB08	0	160			0.00	51,648.30						EC//EM =330hr ;		
53-30	Coding, Configuration, Testing (Title III)	15FEB08	173	17OCT08	17OCT08	0	160			0.00	251,112.12						EC//EM =1,080hr ; 41=57.7\$K ;		
<b>54 - Facility Timing &amp; Synchronization</b>																			
<b>Job: 5401 - Facility Timing &amp; Synchronization</b>																			
54-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	05DEC07	0	178			0.00	18,624.69						EC//EM =119hr ;		
54-20	Final Design (Title II)	06DEC07	65	13MAR08	13MAR08	0	178			0.00	21,285.36						EC//EM =136hr ;		
54-30	Installation, Testing, Documentation (Title III)	14MAR08	135	23SEP08	23SEP08	0	178			0.00	155,913.06						EC//SM =700hr ; EC//EM =306hr ; 41=19\$K ;		
<b>55 - Real Time Plasma &amp; Power Supply Control Sys</b>																			
<b>5501 - Real Time Control System</b>																			
55-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	05DEC07	0	238			0.00	12,520.80						EC//EM =80hr ;		
55-20	Final Design (Title II)	06DEC07	20	10JAN08	10JAN08	0	238			0.00	12,520.80						EC//EM =80hr ;		
55-30	Installation, Testing, Documentation (Title III)	11JAN08	120	27JUN08	27JUN08	0	238			0.00	154,289.80						EC//EM =480hr ; EC//SM =500hr ; 41=15\$K ;		
<b>56 - Central Safety Interlock Systems</b>																			
<b>Job: 5601 - Central Safety Interlock Systems</b>																			
56-10	Preliminary Design (Title I)	02OCT07*	87	11FEB08	11FEB08	0	183			0.00	21,285.36						EC//EM =136hr ;		
56-20	Final Design (Title II)	12FEB08	45	14APR08	14APR08	0	183			0.00	21,285.36						EC//EM =136hr ;		
56-30	Installation, Testing, Documentation (Title III)	15APR08	108	16SEP08	16SEP08	0	183			0.00	282,928.13						EC//EM =663hr ; EE//SM =1,200hr ; 41=14\$K ;		
<b>57 - Control Room Facility</b>																			
<b>Job: 5701 - Control Room Facility</b>																			
57-10		01DEC05	0	30NOV05	30SEP05	-41	969			0.00	0.00								
<b>58 - Central I&amp;C management and Integration</b>																			
<b>Job: 5801 -Central I&amp;C Integr &amp; Oversight-SICHTA</b>																			
51-00	FY03	01APR03A	250*	30SEP03A	30SEP03A	0			LOE	11,900.00	11,900.00								
51-01	FY04 LOE support	01OCT03A	250*	30SEP04A	30SEP04A	0			LOE	16,000.00	16,000.00								
51-02	FY05 LOE support	01OCT04A	249*	30SEP05A	30SEP05A	0			LOE	12,462.26	12,462.26						EC//EM =86hr ;		
FY05CV-38	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				-7,000.00	-7,000.00								

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 ECP-39 Status\_Forecast  
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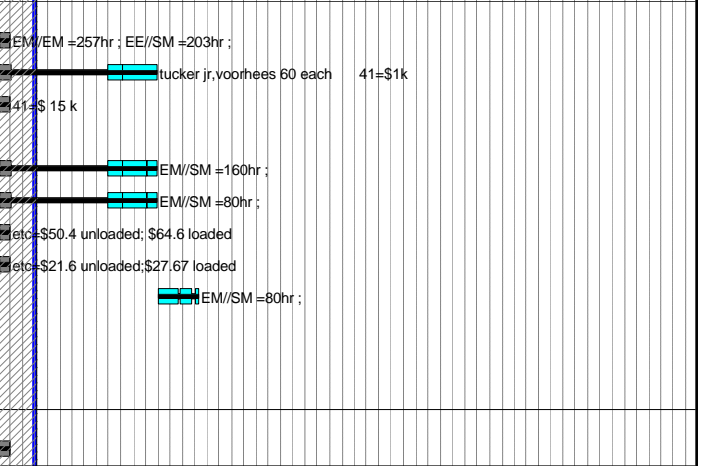




Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY				
												FY06	FY07	FY08	FY09	FY10
GPP007.1	GPP-C-Site elevators Install	01DEC05	0	30NOV05	30SEP05	-41	969			0.00	0.00					
GPP008	GPP-Fire suppression high bay design*TBD*	01DEC05	0	30NOV05	30SEP05	-41	969			0.00	0.00					
GPP008.1	GPP-Fire suppression high bay install*TBD*	01DEC05	0	30NOV05	30SEP05	-41	969			0.00	0.00					
GPP009	Control Room Lights & Outlets design*TBD*	01DEC05	0	30NOV05	30SEP05	-41	905			0.00	0.00					
GPP009.1	Control Room Lights & Outlets install*TBD*	01DEC05	0	30NOV05	30SEP05	-41	905			0.00	0.00					
GPP010	Control Room HVAC Design **TBD**	01DEC05	0	30NOV05	30SEP05	-41	905			0.00	0.00					
GPP010.1	Control Room HVAC Install **TBD**	01DEC05	0	30NOV05	30SEP05	-41	905			0.00	0.00					
GPP011	Control Room Ceiling Design	01DEC05*	64	08MAR06	10JAN06	-41	841			0.00	0.00					
GPP011.1	Control Room Ceiling Install	09MAR06	64	07JUN06	10APR06	-41	841			0.00	0.00					
GPP012	Control Rm Fire Detection & Suppression	01DEC05*	0	30NOV05	30SEP05	-41	841			0.00	0.00					
GPP012.1	Control Rm Fire Detection & Suppression	01DEC05	64	08MAR06	10JAN06	-41	841			0.00	0.00					

**Test Cell Modifications & Upgrades**

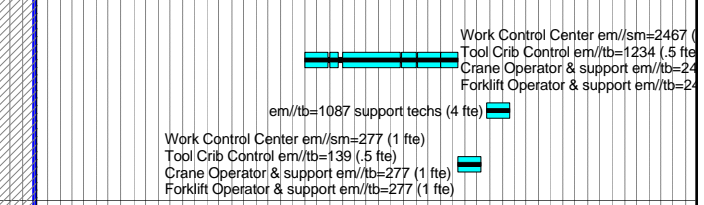
714.020X	TC power instl	01AUG05A	436*	30SEP05A	30SEP05A	0				63,673.65	63,673.65					
613.030	Test Cell copper ground plane cuts	01JUL05A	152*	29SEP06	29SEP06	0	765	80		8,600.17	10,750.21					
713.010	General procurements	02APR05A	128*	30SEP05A	30SEP05A	0		LOE		19,215.00	19,215.00					
7502-000	Outlet Design	02FEB04A	107*	30JUN04A	30JUN04A	0		100		25,272.00	25,272.00					
7502-001	Test Cell 110v outlets	01APR05A	214*	29SEP06	29SEP06	0	761	50		9,146.83	18,293.65					
7502-002	Test Cell 208v outlets	01APR05A	214*	29SEP06	29SEP06	0	761	50		4,573.42	9,146.83					
7502-003	Install 480v power in test cell	01SEP05A	0*	30SEP05A	30SEP05A	0		100		0.00	0.00					
7502-004	Install 120v panels in test cell	01SEP05A	0*	30SEP05A	30SEP05A	0		100		0.00	0.00					
7502-010	Ready Rooms (under control room) 110v	02OCT06*	65	10JAN07	10JAN07	0	570			0.00	10,480.00					
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0*	31OCT03A	31OCT03A	0		100		9,937.20	9,937.20					
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A	26NOV03A	0		100		16,848.00	16,848.00					
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0*	30JAN04A	30JAN04A	0		100		37,608.48	37,608.48					
FY05CV-40	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				178,000.00	178,000.00					



**75 - Test Cell and Basement Assembly Operations**

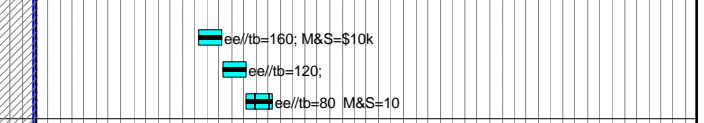
**7501 - Construction Support Crew**

7501-05	Construction Support Crew during machine assy	01OCT07*	260	13OCT08	13OCT08	0	164			0.00	861,133.69					
7501-06	Construction Support Crew during e-beam	24DEC08*	41	18FEB09	18FEB09	0	160			0.00	99,199.62					
7501-07	Construction Support Crew during cryostat instl	15OCT08*	40	09DEC08	09DEC08	0	211			0.00	103,081.21					



**7502 - Test Cell Facility Preparations**

7502-020	Resurface TC floor	11JAN07*	42	09MAR07	09MAR07	0	570			0.00	34,670.00					
7502-030	TC Floor firesealing	12MAR07	42	08MAY07	08MAY07	0	570			0.00	15,720.00					
7502-035	Control room firesealing	09MAY07	42	09JUL07	09JUL07	0	570			0.00	24,190.00					



**7503 - Machine Assembly**

**Revised Assembly Logic (ecp18)**

7503-010	Begin Assembly Activities	01OCT07*	0			0	164			0.00	0.00					
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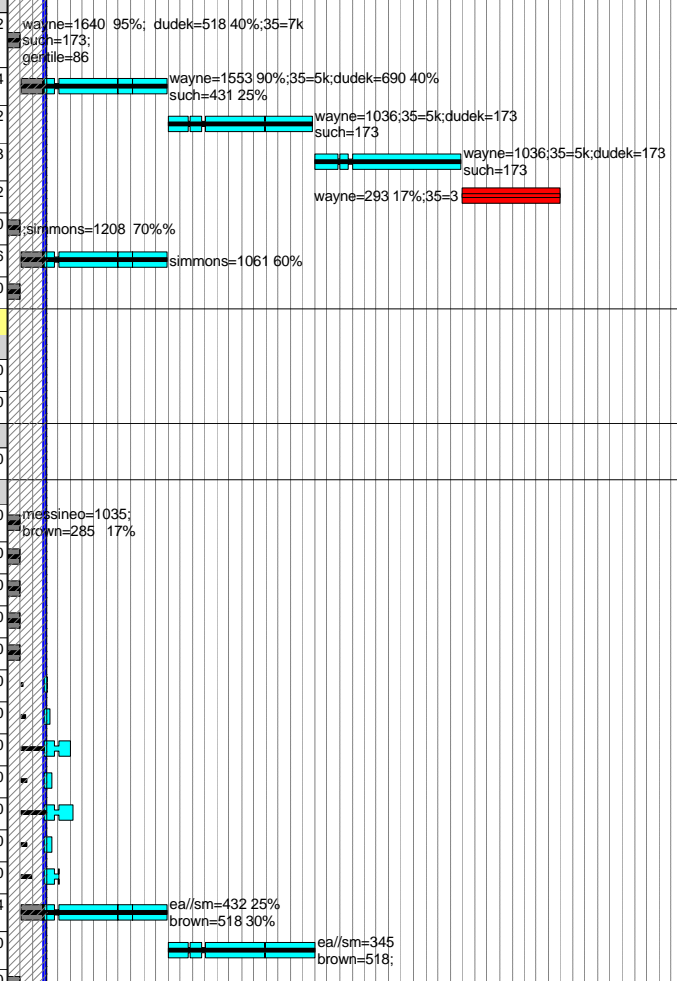


Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Fiscal Year				
												FY06	FY07	FY08	FY09	FY10
730.1250	PSO Operational Readiness Assessment		0	09DEC08	09DEC08	0	123			0.00	0.00	..... COMPLETE OPERATIONAL READINESS ASSESSMENT DOE LEVEL 2 MILESTONE PEP DATE = JUNE 2009 .....				
730.8200	PTP and Cooldown	10DEC08	10	23DEC08	23DEC08	0	123			0.00	70,850.40	EM/EM =80hr ; EM/SM =80hr ; EM/TB =480hr ;				
<b>76 - Tooling Design &amp; Fabrication</b>																
<b>Job: 7601 - Tooling Design &amp; Fabrication</b>																
713.020	Lab Fab/Assy/Installation	01OCT07*	341*	30JAN09	30JAN09	0	173			0.00	32,743.91	PERRY=80;em/sm=42;em/tb=140				
713.030	Tooling,assy fixtures,misc equip	01OCT07*	341*	30JAN09	30JAN09	0	173			0.00	84,841.94					
713.040	General procurements	01OCT07*	341*	30JAN09	30JAN09	0	173			0.00	63,631.45					
713.050	Welding tools, materials & equip	01OCT07*	341*	30JAN09	30JAN09	0	173			0.00	56,561.29					
<b>8 - Project Oversight and Support</b>																
<b>81 - Project Management and Control</b>																
<b>Job: 8101 - Project Management &amp; Control-NEILSON</b>																
<b>FY04 Actual Cost</b>																
M-0110	CD-2		0	03FEB04A	03FEB04A	0				0.00	0.00					
810.009	PDR Support	01OCT03A	3*	31OCT03A	31OCT03A	0			100	41,163.08	41,163.08					
M-0115	CD-3		0	16SEP04A	16SEP04A	0				0.00	0.00					
810.002	Project Management Office PPPL FY04	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	685,961.70	685,961.70					
810.002E	Project Management Office PPPL FY04	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	146,000.00	146,000.00					
<b>Prior Costs</b>																
810.001	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A	0			100	387,340.00	387,340.00					
810.003	Project Management Office PPPL FY05	01OCT04A	251*	30SEP05A	30SEP05A	0			LOE	696,116.95	696,116.95	Hutch=1502 =41=06Sk ; 35=08Sk ; strykowsky=1503hr ; pam =1040hr;phil=173 schmidt=141				
810.004	Project Management Office PPPL FY06	03OCT05A	250*	29SEP06	29SEP06	0	765		LOE	104,081.41	634,642.72					
810.005	Project Management Office PPPL FY07	02OCT06*	251*	28SEP07	28SEP07	0	514			0.00	662,100.12					
810.900	Project Management Office PPPL FY08	01OCT07*	253*	30SEP08	30SEP08	0	261			0.00	554,496.26	Hutch=1238 70%; strykowsky=1326 75%; pam=624 30%;35=2				
810.909	Project Management Office PPPL FY09	01OCT08*	173*	29MAY09	29MAY09	0	88			0.00	132,273.00	Hutch=300 17% strykowsky=300 17% ;35=1				
FY05CV-41	FY05 unrecoverable cost variance	01OCT04A	251*	30SEP05A	30SEP05A	0				-3,000.00	-3,000.00					
<b>Job: 8102 - NCSX MIE Management ORNL-LYON</b>																
<b>FY04 Actual Cost</b>																
810.102	Project Management Office ORNL FY04	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	88,000.00	88,000.00					
<b>Prior Costs</b>																
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A	30SEP03A	0			100	58,600.00	58,600.00					
810.103	Project Management Office ORNL FY05	01OCT04A	251*	30SEP05A	30SEP05A	0			LOE	95,368.98	95,368.98	ORNLRM =354hr; ornlam=178 ORNL41 =02\$ ; ORNL35 =03\$				
810.104	Project Management Office ORNL FY06	01OCT05A	250*	29SEP06	29SEP06	0	514		LOE	28,472.15	173,610.65					
810.104X	Project Management Office ORNL FY07	02OCT06	251*	28SEP07	28SEP07	0	514			0.00	50,514.32					
810.105X	Project Management Office ORNL FY08	02OCT07*	251*	29SEP08	29SEP08	0	262			0.00	36,664.00					
FY05CV-42	FY05 unrecoverable cost variance	01OCT04A	251*	30SEP05A	30SEP05A	0				13,000.00	13,000.00					

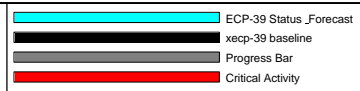
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ECP-39 Status\_Forecast  
 xecp-39 baseline  
 Progress Bar  
 Critical Activity

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY06 - FY10							
												FY06	FY07	FY08	FY09	FY10			
<b>82 - Project Engineering</b>																			
<b>Job: 8202 - Engr Mgmt &amp; Sys Eng Support-REIERSEN</b>																			
<b>FY04 Actual Cost</b>																			
820.002	LOE FY04	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	601,555.68	601,555.68								
8202-ECP16	ecp16	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	68,000.00	68,000.00								
<b>Prior Costs</b>																			
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A	0			100	295,530.00	295,530.00								
820.003	Proj engr FY05	01OCT04A	251*	30SEP05A	30SEP05A	0			LOE	469,631.02	469,631.02								
820.004	Proj engr FY06	03OCT05A	250*	29SEP06	29SEP06	0	765		LOE	72,318.35	440,965.54								
820.04X	Proj engr FY07	02OCT06*	248*	25SEP07	25SEP07	0	517			0.00	239,641.12								
820.004Z	Proj engr FY08	02OCT07*	249*	25SEP08	25SEP08	0	264			0.00	245,966.08								
820.005	Proj engr FY09	01OCT08*	173*	29MAY09	29MAY09	0	88			0.00	62,798.72								
8205FY05	System Engr Support FY05	01OCT04A	251*	30SEP05A	30SEP05A	0			LOE	199,622.00	199,622.00								
8205FY06	Systems Engineering Support FY06	03OCT05A	250*	29SEP06	29SEP06	0	765		LOE	30,287.14	184,677.66								
FY05CV-44	FY05 unrecoverable cost variance	01OCT04A	251*	30SEP05A	30SEP05A	0				-19,000.00	-19,000.00								
<b>Job: 8203 - Design Integration-BROWN</b>																			
<b>FY04 Actual Cost</b>																			
820.200	LOE FY04	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	247,570.20	247,570.20								
8203-ECP16	ecp16	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	125,000.00	125,000.00								
<b>Prior Costs</b>																			
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A	0			100	178,750.00	178,750.00								
8203FY05	Design Integration FY05 LOE	01OCT04A	251*	30SEP05A	30SEP05A	0				171,028.50	171,028.50								
8203-01	General Design Integration	01OCT04A	251*	30SEP05A	30SEP05A	0			LOE	0.00	0.00								
8203-02	Suprt interface aux sys dev&coolant/lead	01OCT04A	251*	30SEP05A	30SEP05A	0			LOE	0.00	0.00								
8203-03	Develop /maintain Pro/E model of NCSX facility	01OCT04A	251*	30SEP05A	30SEP05A	0			LOE	0.00	0.00								
8203-04	Support metrology efforts	01OCT04A	251*	30SEP05A	30SEP05A	0			LOE	0.00	0.00								
8203-06	Complt rrw of machine assembly approach	01DEC05*	4	06DEC05	06OCT05	-41	970			0.00	0.00								
8203-07	Rvw cryostat & conventional magnet sys	01DEC05*	9	13DEC05	13OCT05	-41	965			0.00	0.00								
8203-08	tolerance reqmnts for MCSupt install fixt dwgs	01DEC05*	39	01FEB06	28NOV05	-41	935			0.00	0.00								
8203-09	Machine suprt dsn f/compatibility with assy reqt	01DEC05*	12	16DEC05	18OCT05	-41	962			0.00	0.00								
8203-10	Dynamic simul MC half period install fixt w/ Pro	01DEC05*	42	06FEB06	01DEC05	-41	932			0.00	0.00								
8203-11	Document NCSX Interlink& dwg control	01DEC05*	11	15DEC05	17OCT05	-41	963			0.00	0.00								
8203-12	Update definition VV spool piece assy simul	01DEC05*	19	04JAN06	27OCT05	-41	955			0.00	0.00								
8203FY06	Design Integration FY06	03OCT05A	250*	29SEP06	29SEP06	0	765		LOE	22,993.07	140,201.64								
8203FY07	Design Integration FY07	02OCT06*	252*	01OCT07	01OCT07	0	513			0.00	132,979.90								
FY05CV-45	FY05 unrecoverable cost variance	01OCT04A	251*	30SEP05A	30SEP05A	0				-36,000.00	-36,000.00								
<b>Job: 8204 - Systems Analysis-BROOKS</b>																			
<b>FY04 Actual Cost</b>																			
820.174	LOE FY04	01OCT03A	172*	30SEP04A	30SEP04A	0			LOE	133,179.00	133,179.00								



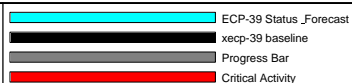
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ECP-39 Baseline

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	FY					
												FY06	FY07	FY08	FY09	FY10	
8204.01	Assess magnetic material in test cell	02FEB04A	85*	28MAY04A	28MAY04A	0			100	37,080.00	37,080.00						
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A	28MAY04A	0			100	18,540.00	18,540.00						
<b>Prior Costs</b>																	
820.173	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A	0			100	44,620.00	44,620.00						
8204FY05	Systems Analysis FY05	01OCT04A	251*	30SEP05A	30SEP05A	0			LOE	256,633.25	256,633.25	brooks=1553 90%					
8204FY06	Systems Analysis FY06	03OCT05A	250*	29SEP06	29SEP06	0	765		LOE	36,966.86	225,407.70	brooks=1295 75%					
FY05CV-46	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				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	30SEP05A	0				12,810.00	12,810.00	mas=\$10k					
METFY05	Dimensional control FY05 ECP24	01FEB05A	172*	30SEP05A	30SEP05A	0			LOE	96,648.84	96,648.84	stratton=320 50%					
FY05CV-47	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A	0				-20,000.00	-20,000.00						
METFY06R	Metrology for FP & machine assy FY06	03OCT05A	250*	29SEP06	29SEP06	0	765		LOE	31,046.35	189,307.03	raftoplous (measurement) 25%=415hrs stratton=707 hrs 40%					
METFY07R	Metrology for FP & machine assy FY07	03OCT06*	251*	01OCT07	01OCT07	0	513			0.00	74,115.10	raftoplous (measurement) 25%=415hrs					
METFY08R	Metrology for FP & machine assy FY08	03OCT07*	250*	29SEP08	29SEP08	0	262			0.00	75,799.75	raftoplous (measurement) 25%=415hrs					
<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	30SEP04A	0			LOE	99,806.20	99,806.20						
840.203	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	14,000.00	14,000.00						
<b>Prior Costs</b>																	
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A	0			100	210,270.00	210,270.00						
<b>Job: 8402 - Project Physics MIE ORNL-LYON</b>																	
<b>FY04 Actual Cost</b>																	
840.302	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	60,876.00	60,876.00						
840.303	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	44,000.00	44,000.00						
<b>Prior Costs</b>																	
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A	30SEP03A	0			100	40,980.00	40,980.00						
<b>85 - Integrated Systems Testing</b>																	
<b>Job: 8501 - Integrated Systems Testing</b>																	
920.001	Procedure and Document Preparation	13DEC07*	250	09DEC08	09DEC08	0	123			0.00	486,475.31	em//em=1516;em//sm=1516					
920.000	Startup Personnel	03NOV08	72	10FEB09	10FEB09	0	123			0.00	711,219.45	em//em=1066, ee//em=432, ec//em=432 em//sm=979, ee//sm=0, em//tb=432 r//rm2=490;ee//tb=864					
920.004	Begin Start-up Testing	24DEC08	0			0	123			0.00	0.00	***** BEGIN STARTUP TESTING DOE LEVEL 2 MILESTONE PEP DATE = JUNE 2009 *****					
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp	03NOV08	37	23DEC08	23DEC08	0	123			0.00	0.00						
920.010	Field Coil Testings,FCPC test & E-Beam	24DEC08	25	27JAN09	27JAN09	0	123			0.00	0.00						
920.020	Final ISTP	28JAN09	7	05FEB09	05FEB09	0	123			0.00	0.00						
920.021	Operations Approval	06FEB09	3	10FEB09	10FEB09	0	123			0.00	0.00						

Run Date 12DEC05 16:11



0511

NCSX  
Status through December 1st  
ECP-39 Baseline

Sheet 47 of 48

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	PMB Finish	Slip from PMB (work days)	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	ECP39 Budget	Fiscal Year																																																																																																																																																															
												FY06	FY07	FY08	FY09	FY10																																																																																																																																																											
730.9000	First Plasma		0	10FEB09	10FEB09	0	123			0.00	0.00																																																																																																																																																																
M-0120	CD-4 First Plasma		0	31JUL09*	31JUL09*	0	0			0.00	0.00																																																																																																																																																																
<p><b>Allocations</b></p> <p><b>PPPL Allocations</b></p> <p><b>Job: 8998 - Allocations</b></p> <p><b>FY04 Actual Cost</b></p> <tr> <td>99.04</td> <td>PPPL Allocations FY04</td> <td>01OCT03A</td> <td>256*</td> <td>30SEP04A</td> <td>30SEP04A</td> <td>0</td> <td></td> <td></td> <td>LOE</td> <td>260,691.00</td> <td>260,691.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <p><b>Prior Costs</b></p> <tr> <td>99.03</td> <td>Apr-Sept MIE Cost PPPL</td> <td>01APR03A</td> <td>128*</td> <td>30SEP03A</td> <td>30SEP03A</td> <td>0</td> <td></td> <td></td> <td>100</td> <td>112,000.00</td> <td>112,000.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>99.05</td> <td>PPPL Allocations FY05</td> <td>20OCT04A</td> <td>251*</td> <td>30SEP05A</td> <td>30SEP05A</td> <td>0</td> <td></td> <td></td> <td>LOE</td> <td>302,697.00</td> <td>302,697.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>99.05P</td> <td>PPPL Allocations FY05 rebaseline re-estimate</td> <td>01OCT04A</td> <td>251*</td> <td>30SEP05A</td> <td>30SEP05A</td> <td>0</td> <td></td> <td></td> <td>LOE</td> <td>48,151.80</td> <td>48,151.80</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>99.06</td> <td>PPPL Allocations FY06</td> <td>03OCT05A</td> <td>250*</td> <td>29SEP06</td> <td>29SEP06</td> <td>0</td> <td>765</td> <td></td> <td>LOE</td> <td>54,081.38</td> <td>329,764.50</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>99.07</td> <td>PPPL Allocations FY07</td> <td>02OCT06*</td> <td>252*</td> <td>01OCT07</td> <td>01OCT07</td> <td>0</td> <td>513</td> <td></td> <td></td> <td>0.00</td> <td>332,787.30</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>99.08</td> <td>PPPL Allocations FY08</td> <td>01OCT07*</td> <td>252*</td> <td>29SEP08</td> <td>29SEP08</td> <td>0</td> <td>262</td> <td></td> <td></td> <td>0.00</td> <td>166,336.61</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>FY05CV-43</td> <td>FY05 unrecoverable cost variance</td> <td>01OCT04A</td> <td>251*</td> <td>30SEP05A</td> <td>30SEP05A</td> <td>0</td> <td></td> <td></td> <td></td> <td>56,000.00</td> <td>56,000.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr>												99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	260,691.00	260,691.00									99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A	0			100	112,000.00	112,000.00									99.05	PPPL Allocations FY05	20OCT04A	251*	30SEP05A	30SEP05A	0			LOE	302,697.00	302,697.00									99.05P	PPPL Allocations FY05 rebaseline re-estimate	01OCT04A	251*	30SEP05A	30SEP05A	0			LOE	48,151.80	48,151.80									99.06	PPPL Allocations FY06	03OCT05A	250*	29SEP06	29SEP06	0	765		LOE	54,081.38	329,764.50									99.07	PPPL Allocations FY07	02OCT06*	252*	01OCT07	01OCT07	0	513			0.00	332,787.30									99.08	PPPL Allocations FY08	01OCT07*	252*	29SEP08	29SEP08	0	262			0.00	166,336.61									FY05CV-43	FY05 unrecoverable cost variance	01OCT04A	251*	30SEP05A	30SEP05A	0				56,000.00	56,000.00								
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A	30SEP04A	0			LOE	260,691.00	260,691.00																																																																																																																																																																
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A	0			100	112,000.00	112,000.00																																																																																																																																																																
99.05	PPPL Allocations FY05	20OCT04A	251*	30SEP05A	30SEP05A	0			LOE	302,697.00	302,697.00																																																																																																																																																																
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99.06	PPPL Allocations FY06	03OCT05A	250*	29SEP06	29SEP06	0	765		LOE	54,081.38	329,764.50																																																																																																																																																																
99.07	PPPL Allocations FY07	02OCT06*	252*	01OCT07	01OCT07	0	513			0.00	332,787.30																																																																																																																																																																
99.08	PPPL Allocations FY08	01OCT07*	252*	29SEP08	29SEP08	0	262			0.00	166,336.61																																																																																																																																																																
FY05CV-43	FY05 unrecoverable cost variance	01OCT04A	251*	30SEP05A	30SEP05A	0				56,000.00	56,000.00																																																																																																																																																																

COMPLETE CD-4 FIRST PLASMA  
DOE LEVEL 1 MILESTONE  
PEP DATE = JULY 2009

**Contingency**

Contingency-Project																			
99.105	Contingency FY05	01DEC05*	0*	30NOV05	30SEP05	-41	974			0.00	0.00								
99.106D	Contingency FY06	01DEC05*	209*	29SEP06	29SEP06	0	765			0.00	669,697.78								
99.107	Contingency FY07	02OCT06*	251*	28SEP07	28SEP07	0	514			0.00	1,804,000.00								
99.108	Contingency FY08	01OCT07*	253*	30SEP08	30SEP08	0	261			0.00	4,618,000.00								
99.109	Contingency FY09	01OCT08*	108*	27FEB09	27FEB09	0	153			0.00	1,051,000.00								
1361RISK	JOB 1361 RISK	02OCT06*	330*	31JAN08	31JAN08	0	431			0.00	448,084.76								
1411RISK	JOB 1411 RISK	03JUL06*	63*	29SEP06	29SEP06	0	761			0.00	360,000.00								
1451RISK	JOB 1451 RISK	03MAR06*	416*	25OCT07	25OCT07	0	493			0.00	661,098.86								

**DCMA**

DCMA																			
DCMAFY04	DCMA	01OCT03A	256*	30SEP04A	30SEP04A	0				75,000.00	75,000.00								

