

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget						
										FY06	FY07	FY08	FY09	FY10	
<b>cc 9450 - NCSX Fabrication (MIE)</b>															
<b>1 - Stellarator Core Systems</b>															
<b>11 - In-Vessel Components</b>															
<b>+ Job: 1101 - Limiter Adv Conc/Prel Dsn-**CLOSED*</b>															
		15JUL03A	78	30SEP03A			100	60.00	60.00						
<b>12 - Vacuum Vessel Systems</b>															
<b>+ Job: 1201 - Vacuum Vessel Prelim Dsn-**CLOSED**</b>															
		01APR03A	133	07OCT03A			100	424,420.00	424,420.00						
<b>+ Job: 1202 - Vacuum Vessel R&amp;D **CLOSED**</b>															
		01APR03A	636	30SEP05A				1,770,181.86	1,770,181.86						
<b>+ Job: 1206 - VV Field Weld Joint R&amp;D-**CLOSED**</b>															
		29APR04A	359	30SEP05A				15,639.37	15,639.37						
<b>Job: 1203 - Vacuum Vessel Final Dsn-GORANSON</b>															
<b>+ Closeout PDR Design Deliverables</b>															
		01OCT03A	235	31AUG04A			100	34,746.30	34,746.30						
<b>+ PDR Recommendations</b>															
		01NOV03A	42	31DEC03A			100	25,738.00	25,738.00						
<b>+ Vacuum Vessel Vendor Selection</b>															
		01JUN04A	86	30SEP04A			100	5,782.20	5,782.20						
<b>+ FY05 Final Design Tasks</b>															
		01OCT03A	507	30SEP05A			100	744,133.94	744,133.94						
<b>Final Design Tasks</b>															
1203-241	Check FMECA Analyses	01SEP05A	44	01NOV05	993	20		1,973.42	9,867.10						
1203-271	Develop Assy Rqmnts spec & process	03OCT05*	47	08DEC05	324	10		3,237.00	32,370.00						
1203-800	Issue VV FP leak check assy dwg	22SEP05A	59	15DEC05	390	20		1,336.60	6,682.98						
1203-801	Issue VV FP final assy dwg	03OCT05*	52	15DEC05	390			0.00	6,748.00						
1203-802	Issue spacer machining dwgs	03OCT05*	52	15DEC05	390			0.00	6,748.00						
1203-803	Issue VV final assy dwg	03OCT05*	52	15DEC05	319			0.00	6,748.00						
1203-804	Issue VV assy specification	03OCT05*	52	15DEC05	319			0.00	6,748.00						
1203-806	Establish interface reqmnts	03OCT05*	52	15DEC05	963			0.00	6,748.00						
1203-815	Cleanup interfaces cleanup interfaces with other	01NOV05*	31	15DEC05	963			0.00	3,374.00						
1203-820	BOM for all VV parts	01NOV05*	31	15DEC05	963			0.00	5,061.00						
1203-825	develop acquisition plan for all vv components	01NOV05*	31	15DEC05	963			0.00	3,374.00						
1203-830	conduct mini fdr/procurement reviews	01NOV05*	31	15DEC05	963			0.00	6,748.00						
1203-901	**WBS 12 FINAL FDR **		0	15DEC05	390			0.00	0.00						
<b>VV Personnel Access Port</b>															
1203-950	Personnel Access Port Drawings	03OCT05	34	17NOV05	981			0.00	0.00						
1203-951	Personnel Access Port Analysis	03OCT05	34	17NOV05	981			0.00	0.00						
12003-952	Personnel Access Port FDR		0	17NOV05	981			0.00	0.00						
<b>VV Heating/Cooling Tubing</b>															
1203-805	Redo CC heating/cooling tube dwgs& analysis	03OCT05	52	15DEC05	321	50		9,711.00	19,422.00						
1203-805F	Heating/cooling tube FDR		0	15DEC05	963			0.00	0.00						

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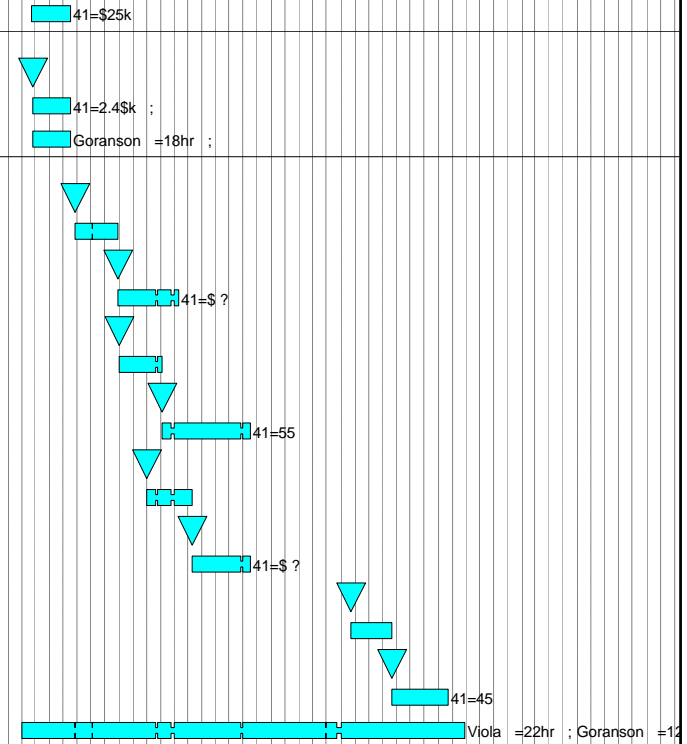
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ECP-38 baseline  
 Progress Bar  
 Critical Activity

EC39 NCSX Sheet 1 of 50

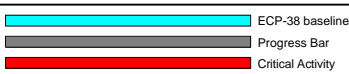
Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
<b>VV Heater Tape</b>															
122-012	Heater Tape Design	02MAY05A	140*	15NOV05	410		75*	46,493.53	61,991.37						
<b>VV Local I&amp;C</b>															
125-011	Final design WBS 125 local I&C	01MAR05A	247*	22FEB06	347		80*	11,539.38	14,424.23						
125-011F	FDR (Define HW & SW reqmnts)		0	22FEB06*	920			0.00	0.00						
125-011P	PDR (define reqmnts & sys architecture)		0	18JAN06*	945			0.00	0.00						
<b>Thermal Insulation</b>															
122-011	Final design WBS 122 Thermal insulation	01JUN04A	416*	31JAN06	221		75*	61,672.88	82,230.51						
122-011F	FDR Thermal Insulation		0	31JAN06	221			0.00	0.00						
<b>SRX Diagnostic VV Design</b>															
1203-810	resolve design pockets for soft x ray arrays	01NOV05*	70*	16FEB06	924			0.00	6,748.00						
1203-810P	soft x ray array PDR		0	19JAN06*	944			0.00	0.00						
1203-810F	soft x ray array FDR		0	16FEB06*	924			0.00	0.00						
<b>Job:1204-VV Sys Procurements (non VVSA)-GORANSON</b>															
<b>VV Vertical Supports</b>															
124-030.0	Release dwg package for fab VV Vertical Supports	30SEP05A	0					0.00	0.00						
124-037	PPPL Fab VV Vert. Supports WBS 124	01NOV05*	60	02FEB06	452			0.00	65,152.00						
124-031	Title III engr WBS 124	17OCT05*	103	20MAR06	420			0.00	10,469.02						
<b>VV Lateral Supports</b>															
124-030L	SPEA VV Lateral Supports WBS 124	01NOV05*	43	10JAN06	409			0.00	0.00						
124-036.9L	Award VV Lateral Supports WBS 124		0	02OCT06*	222			0.00	0.00						
124-037L	VV Lateral Supports Fab by PPPL WBS 124	03OCT06	60	04JAN07	222			0.00	33,288.00						
<b>VV Personnel Access Port</b>															
124-100	Issue req & dwg package NB port cover	02AUG06*	0		223			0.00	0.00						
124-110	SPEA VV NB port cover	02AUG06	43	29SEP06	223			0.00	0.00						
124-120	Award VV NB port cover		0	29SEP06	223			0.00	0.00						
124-130	VV NB port cover Fabrication	02OCT06	65	10JAN07	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	16DEC05*	0		386			0.00	0.00						
123-030	Issue RFQ & Select Vendor VV H/C Tubing WBS	16DEC05	20	20JAN06	386			0.00	0.00						
123-036.9	Award H/C Tubing WBS 123		0	20JAN06	386			0.00	0.00						
123-037	Fabricate and Deliver H/C Tubing WBS 123	23JAN06	20	17FEB06	386			0.00	61,695.00						
123-031	Title III engr WBS 122	16DEC05	220	31OCT06	743			0.00	9,504.07						
<b>VV Heater Tape</b>															
122-012A	Issue Proc Pkg for VV Heater Tape	16NOV05	0		421			0.00	0.00						
122-012B	Issue RFQ & Select Vendor for Heater Tape	16NOV05	40	20JAN06	421			0.00	0.00						
122-012C	Award Heater Tape		0	20JAN06	421			0.00	0.00						
122-012D	Fabricate and Deliver Heater Tape	23JAN06	65	21APR06	421			0.00	0.00						
<b>VV H/C Manifolds &amp; Headers</b>															
123-130.0	Issue Proc Pkg for VV H/C Manifolds WBS 123	16DEC05	0		321			0.00	0.00						
123-130	Issue RFQ & Select Vendor VV H/C Manifold WBS	16DEC05	40	17FEB06	321			0.00	0.00						
123-136.9	Award H/C Manifolds WBS 123		0	17FEB06	321			0.00	0.00						

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										FY06	FY07	FY08	FY09	FY10	
123-137	Fabricate and Deliver H/C Manifolds WBS 123	20FEB06	65	19MAY06	321			0.00	34,275.00						
<b>VV Local I&amp;C</b>															
125-036	Issue Procurement Package Local I&C WBS 125	23FEB06*	0		347			0.00	0.00						
125-037	Procurement Local I&C WBS 125	23FEB06	60	17MAY06	347			0.00	3,290.40						
125-015	Title III design Local I&C WBS 125	23FEB06	61	18MAY06	859			0.00	3,036.60						
<b>Thermal Insulation</b>															
122-050	Prep spec and req Blanket Thermal Insulation	30MAY06	0		138			0.00	0.00						
122-055	SPEA Blanket Thermal Insulation	30MAY06	65	29AUG06	138			0.00	0.00						
122-060	Award Blanket Thermal Insulation		0	29AUG06	138			0.00	0.00						
122-065	Deliver Blanket Thermal Insulation	30AUG06	89	11JAN07	138			0.00	0.00						
123-035	Issue Proc Pkg for insulation boots WBS 122	04SEP06	0		133			0.00	0.00						
123-040	Issue RFQ & Select Vendor insul boots WBS 122	04SEP06	65	05DEC06	133			0.00	0.00						
123-045	Award Insulation Boots WBS 122		0	05DEC06	133			0.00	0.00						
123-050	Fabricate& Deliver Insul Boots WBS 122	06DEC06	130	14JUN07	133			0.00	75,405.00						
122-040	Prep spec and req Port Thermal Insulation	31OCT06	0		133			0.00	0.00						
122-035	SPEA Port Thermal Insulation	31OCT06	65	08FEB07	133			0.00	0.00						
122-041	Award Port Thermal Insulation		0	08FEB07	133			0.00	0.00						
122-051	Deliver Port Thermal Insulation	09FEB07	89	14JUN07	133			0.00	0.00						
122-030.0	Prep spec and req Pourable Insulation	22JAN08	0		123			0.00	0.00						
122-030	SPEA Pourable Insulation	22JAN08	65	21APR08	123			0.00	0.00						
122-036.9	Award Pourable Insulation		0	21APR08	123			0.00	0.00						
122-037	Deliver Pourable Insulation	22APR08	89	22AUG08	123			0.00	63,225.00						
122-031	Title III engr WBS 122	01FEB06	673	26SEP08	263			0.00	25,461.76						
<b>Job: 1250 - Vacuum Vessel Fabrication-VIOLA</b>															
<b>Start Up/Engineering</b>															
VVSA-001	Process Order	24SEP04A	256*	29JUL05A				100	0.00	0.00					
VVSA-011	Sect 5.1 Segmentation Scheme	04NOV04A	5	19NOV04A				100	96,075.00	96,075.00					
VVSA-021	Sect 5.1.2 Fiducials	29NOV04A	242*	04NOV05	1,009			98	0.00	0.00					
VVSA-031	Sect 5.1.3 Proc Outline & Asc Procedures	24SEP04A	152	31MAY05A				100	121,675.78	121,675.78					
VVSA-035	Trinos Flanges	03OCT05*	20	28OCT05	339				0.00	39,000.00					
<b>+ Dies &amp; Gages</b>															
		20SEP04A	185	10JUN05A				100	655,640.00	655,640.00					
<b>+ Fixture (2) 60 degree</b>															
		25OCT04A	169	23JUN05A				100	0.00	0.00					
<b>+ Fixture (3) 120 degree</b>															
		15APR05A	76	29JUL05A				100	220,000.00	220,000.00					
<b>Panels &amp; Ports</b>															
VVSA-221	Procure Vessel Material	29OCT04A	127	31MAY05A				100	471,490.00	471,490.00					
121-105	S005243 #2-Vessel material procured		0	31MAY05A				100	0.00	0.00					
VVSA-231	Production Panels Period #1 LOT 4	22APR05A	94*	12AUG05A				100	260,000.00	260,000.00					
121-120	S005243 #5-1/3 of Vessel plates formed		0	23AUG05A				100	0.00	0.00					



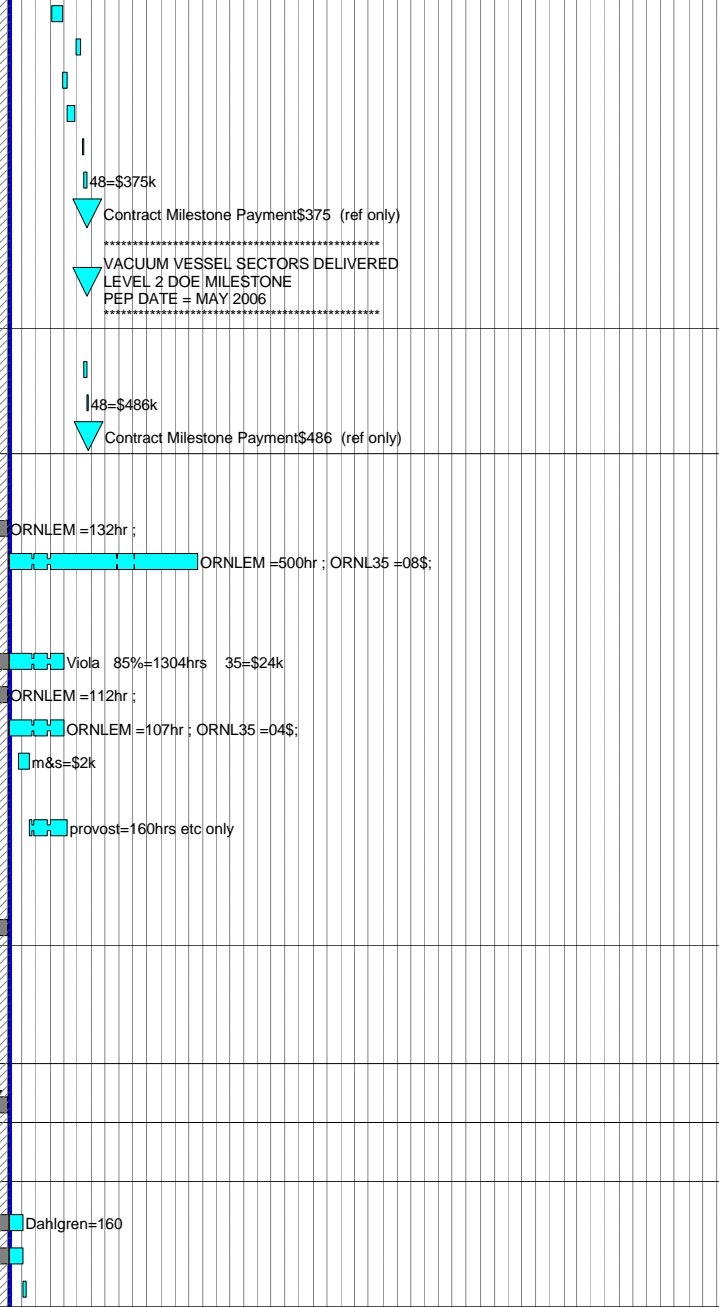
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VVSA-241	Production Panels Period #2 LOT 5	28JUN05A	69*	12SEP05A			100	240,000.00	240,000.00	48=\$240k						
121-125	S005243 #6-Second 1/3 of vsl plates formed		0	12SEP05A			100	0.00	0.00	Contract Milestone Payment \$200 (ref only)						
VVSA-251	Production Panels Period #3 LOT 6	28JUN05A	69*	16SEP05A			100	240,000.00	240,000.00	48=\$240k						
121-130	S005243 #7-Last 1/3 of vsl plates formed		0	16SEP05A			100	0.00	0.00	Contract Milestone Payment \$200 (ref only)						
VVSA-261	Port Ext, Misc HW Period #1 LOT 7	04APR05A	141*	17OCT05	328		80	0.00	0.00							
VVSA-271	Port Ext, Misc HW Period #2 LOT 8	04APR05A	165*	18NOV05	420		60	0.00	0.00							
VVSA-281	Port Ext, Misc HW Period #3 LOT 9	04APR05A	198*	04JAN06	508		50	0.00	0.00							
VVSA-291	Spacer & port Ext Fixture LOT 13	06JUN05A	100*	21OCT05	610		95	0.00	0.00							
<b>First 120 deg segment</b>																
VVSA-301	1st 60 deg segment	10JUN05A	59*	12AUG05A			100	175,000.00	175,000.00							
VVSA-311	2nd 60 deg segment	23JUN05A	50*	15AUG05A			100	175,000.00	175,000.00							
VVSA-321	Join two pieces	15AUG05A	35	08SEP05A			100	50,000.00	50,000.00	48=\$400k						
121-135	S005243 #8-One VVSA fabricated		0	08SEP05A			100	0.00	0.00	Contract Milestone Payment \$375 (ref only)						
VVSA-331	Machine for Ports	08SEP05A	0*	23SEP05A				0.00	0.00							
VVSA-341	Weld Ports	18OCT05*	20*	14NOV05	328			0.00	0.00							
VVSA-351	Final Machine	06DEC05*	6*	13DEC05	328			0.00	0.00							
VVSA-361	Vacuum Test	15NOV05*	7*	23NOV05	328			0.00	0.00							
VVSA-371	Cut Off Ports	24NOV05*	8*	05DEC05	328			0.00	0.00							
VVSA-381	Inspect & Pack for Shipping LI#4	14DEC05*	5*	20DEC05	328			0.00	0.00							
VVSA-391	Receive at PPPL	21DEC05	3*	23DEC05	328			0.00	375,560.00	48=\$375.56k						
121-150	S005243 #11-Receipt/Acceptance of 1st VVSA		0	23DEC05*	328			0.00	0.00	Contract Milestone Payment \$375.56 (ref only)						
<b>Second 120 deg segment</b>																
VVSA-401	60 deg segment	12AUG05A	36*	09SEP05A			100	0.00	0.00							
VVSA-411	60 deg segment	26AUG05A	31*	07OCT05	420		95	0.00	0.00							
VVSA-421	Join two pieces	10OCT05*	15*	28OCT05	420		10	0.00	405,000.00	48=\$405k						
121-140	S005243 #9-Second VVSA fabricated		0	28OCT05	420			0.00	0.00	Contract Milestone Payment \$350 (ref only)						
VVSA-431	Machine for Ports	31OCT05*	15*	18NOV05	420			0.00	0.00							
VVSA-441	Weld Ports	21NOV05*	25*	23DEC05	420			0.00	0.00							
VVSA-451	Final Machine	31JAN06*	10*	13FEB06	420			0.00	0.00							
VVSA-461	Vacuum Test	26DEC05	16*	16JAN06	420			0.00	0.00							
VVSA-471	Cut Off Ports	17JAN06*	10*	30JAN06	420			0.00	0.00							
VVSA-481	Inspect & pack for Shipping LI#4	14FEB06*	4*	17FEB06	420			0.00	0.00							
VVSA-491	Receive at PPPL	21FEB06	4*	24FEB06*	419			0.00	375,000.00	48=\$375k						
121-155	S005243 #12-Receipt /Acceptance of 2nd VVSA		0	24FEB06*	419			0.00	0.00	Contract Milestone Payment 375 (ref only)						
<b>Third 120 deg segment</b>																
VVSA-501	60 deg segment	30SEP05A	21*	28OCT05	528			0.00	0.00							
VVSA-511	60 deg segment	31OCT05*	5*	04NOV05	528			0.00	0.00							
VVSA-521	Join two pieces	07NOV05*	10*	18NOV05	528			0.00	375,000.00	48=\$375k						
121-145	S005243 #10-Third VVSA fabricated		0	18NOV05	528			0.00	0.00	Contract Milestone Payment \$350 (ref only)						
VVSA-531	Machine for Ports	21NOV05*	13*	07DEC05	528			0.00	0.00							

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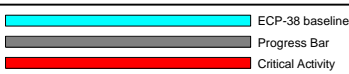


ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
VVSA-541	Weld Ports	05JAN06*	17'	27JAN06	508			0.00	0.00						
VVSA-551	Final Machine	27FEB06*	10'	10MAR06	508			0.00	0.00						
VVSA-561	Vacuum Test	30JAN06*	8'	08FEB06	508			0.00	0.00						
VVSA-571	Cut Off Ports	09FEB06*	12'	24FEB06	508			0.00	0.00						
VVSA-581	Inspect & Pack for Shipping LI#4	13MAR06*	2'	14MAR06	508			0.00	0.00						
VVSA-591	Receive at PPPL	16MAR06	4'	21MAR06*	507			0.00	375,000.00						
121-160	S005243 #13-Receipt/Acceptance of 3rd VVSA		0	21MAR06*	507			0.00	0.00						
121-038.1	All Vacuum Vessel Sections (3) Delivered		0	21MAR06	507			0.00	0.00						
<b>Ship Tooling</b>															
VVSA-601	Pack Tooling for PPPL	15MAR06	5'	21MAR06	908			0.00	0.00						
VVSA-611	PPPL Receive Tooling	22MAR06	4'	27MAR06	908			0.00	486,000.00						
121-165	S005243 #14-Delivefy of tooling,dies,fixtures		0	27MAR06*	908			0.00	0.00						
121-031	VVSA Title III engr	21MAY04A	63'	28FEB05A				LOE	27,753.79	27,753.79					
121-034	VVSA Title III engr	01MAR05A	152'	30SEP05A				LOE	20,460.00	20,460.00					
121-034.1	VVSA Title III engr	03OCT05*	288'	22NOV06	727			LOE	0.00	92,715.05					
121-032	VVSA Contract oversight FY04	21MAY04A	386'	30SEP04A				LOE	20,052.50	20,052.50					
121-033	VVSA Contract oversight FY05	01OCT04A	290'	28FEB05A				LOE	75,267.38	75,267.38					
121-035	VVSA Contract oversight FY05 & FY06	01MAR05A	231'	31JAN06	936			LOE	168,266.35	255,723.95					
121-035.1	ORNL feign support during MTM Contract	01MAR05A	152'	30SEP05A				LOE	17,360.00	17,360.00					
121-035.2	ORNL design support during MTM Contract	03OCT05*	79'	31JAN06	936			LOE	0.00	22,118.90					
121-036	Ship vac equipt from PPPL to MTM for vac testing	25OCT05	15'	14NOV05	311				0.00	2,742.00					
121-037	Purchase seals and ship to MTM	25APR05A	70'	29JUL05A				100	42,447.20	42,447.20					
121-038	assist MTM testing of VVSA	15NOV05	54'	08FEB06	495				0.00	0.00					
121-039	Design Seal Template	01MAR05A	20'	31MAR05A				100	2,480.00	2,480.00					
121-141	Fabricate Seal Template and ship to MTM	01MAR05A	65'	31MAR05A				100	4,240.11	4,240.11					
FY05CV-4	FY05 unrecoverable cost variance	01OCT04A	25'	30SEP05A					-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				100	471,974.00	471,974.00					
<b>+ Final Design</b>															
		01FEB05A	172'	30SEP05A				100	164,053.52	164,053.52					
<b>+ Prior Costs</b>															
		01APR03A	378'	30SEP04A					163,695.13	163,695.13					
<b>Final Design Closeout</b>															
1301FD-05	Anaylsis Check	01MAR05A	174'	01NOV05	993		90		23,956.41	26,618.23					
1301R-37	Prepare Coil Spec	01MAR05A	174'	01NOV05	342		85		0.00	0.00					
1301FD-84	TF Coil Fabrication & assy package approved	02NOV05	5'	08NOV05	341				0.00	0.00					

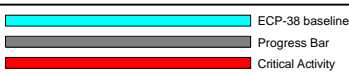


Run Date 03NOV05 10:28



Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
FY05CV-5	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				120,000.00	120,000.00						
<b>Job: 1350 TF Coil Fab Preparation-CHRZANOWSKI</b>															
1350-100	Design tooling & winding facility	01MAR05A	152*	31AUG05A			100	96,961.10	96,961.10	designer =576 ; chrzanowski =230hr ;					
1350-605	Install winding table	01JUN05A	50*	30JUN05A			100	24,655.80	24,655.80						
1350-100.1	Design tooling & winding facility	01SEP05A	43*	31OCT05	347		77*	38,160.91	49,050.02	designer =360 ; chrzanowski =58hr ;					
1350-500	Recondition turnngn fixture	21MAR05A	88*	30JUN05A			100	33,232.20	33,232.20						
1350-505	Winding Clamps	02MAY05A	130*	01NOV05	357		60	12,751.11	21,251.86	EM/TB =80hr ; EM/SM =80hr ; 41=05\$K ;					
1350-600	Build Cleanroom	28MAR05A	143*	14OCT05	369		95	41,955.23	44,291.53	EM/TB =220hr ; EM/SM =148hr ; 41=05\$K ; ee/tb=80					
1350-510	Taping Machine Conditioning	03OCT05*	22	01NOV05	357			0.00	31,220.60	EM/TB =160hr ; EM/SM =80hr ; EE/TB =80hr ; 41=01\$K ;					
1350-515	Winding mandrel	01JUL05A	86*	31OCT05	358		30	8,619.79	31,990.07	EM/TB =160hr ; EM/SM =120hr ; 41=05\$K ;					
1350-520	Misc tools & equipt	08SEP05A	69*	15DEC05	327		70	2,832.54	45,605.41	41=03\$K ; machinist=144; em/tb=300					
1350-610	Setup copper delivery system	01NOV05*	15	21NOV05	343			0.00	11,240.32	EM/TB =58hr ; EM/SM =38hr ; 41=01\$K ;					
1350-615	Install taping machine	01NOV05*	15	21NOV05	343			0.00	11,240.32	EM/TB =58hr ; EM/SM =38hr ; 41=01\$K ;					
1351-089	Fab Lift Fixture	09DEC05	5	15DEC05	327			0.00	11,727.36	em/tb=144					
1350-620	Complete setup of facility		0	15DEC05*	327			0.00	0.00						
1350-525	TF mold (2)	01NOV05*	44	11JAN06	347			0.00	123,390.00	41=\$90 (for 2) 41=10\$K ;					
1351-080	Design Assy Fixture	03JAN06*	20	30JAN06	430			0.00	32,432.40	designer=120+ 160					
1351-086	Fab/Assemble Fixture	31JAN06	19	24FEB06	430			0.00	43,708.00	em/tb=200; M&S=20k					
1351-088	Setup Wedge Casting Fixture & test	27FEB06	5	03MAR06	430			0.00	19,545.60	em/tb=240					
FY05CV-7	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				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			100	0.00	0.00						
1301FD-74	Prepare & issue TF Conductor RFP	31MAY05A	23*	03JUN05A			100	0.00	0.00						
1301FD-76	Evaluate bids and award TF conductor	06JUN05A	0*	30JUN05A			100	0.00	0.00						
1301FD-77	Award TF conductor		0	30JUN05A			100	0.00	0.00						
1351-529	Coil Supplies- Deliver Copper Conductor(PE005935	01JUL05A	75*	14OCT05	309		100	133,864.50	133,864.50	m&s=\$104.5k (for 20 coils)					
1301FD-78	TF Wedge Plate procurement package approved	29JUL05A	5	29JUL05A			100	0.00	0.00						
1301FD-80	Prepare and Issue TF Wedge Plate RFP	12AUG05A	5	18AUG05A			100	0.00	0.00						
1301FD-82	Evaluate and award TF Wedge Plate Fabr	03OCT05	41*	30NOV05	390			0.00	0.00						
1351-85C	Award TF Castings		0	30NOV05	391			0.00	0.00						
1351-85D	Vendor Fab TF Castings	01DEC05	100	27APR06	391			0.00	271,458.00	M&S=198k					
1351-525	Coil Supplies- Insulation	03OCT05	65	11JAN06	347			0.00	109,680.00	m&s=\$80k					
1351-527	Coil Supplies- Epoxy	28APR06	388*	07NOV07	187			0.00	82,407.22	m&s=\$60k etc only					
1351-531	Coil Supplies- G-11 fillers (PE006162)	03OCT05	108*	13MAR06	271			0.00	89,115.00	41=\$65					
1351-533	Coil Supplies- Lead Blocks(pe6134 for copper)	03SEP05A	128*	13MAR06	271		M&S	32,025.00	53,322.27	machinist=100;em/tb=110;m&s=\$20k					

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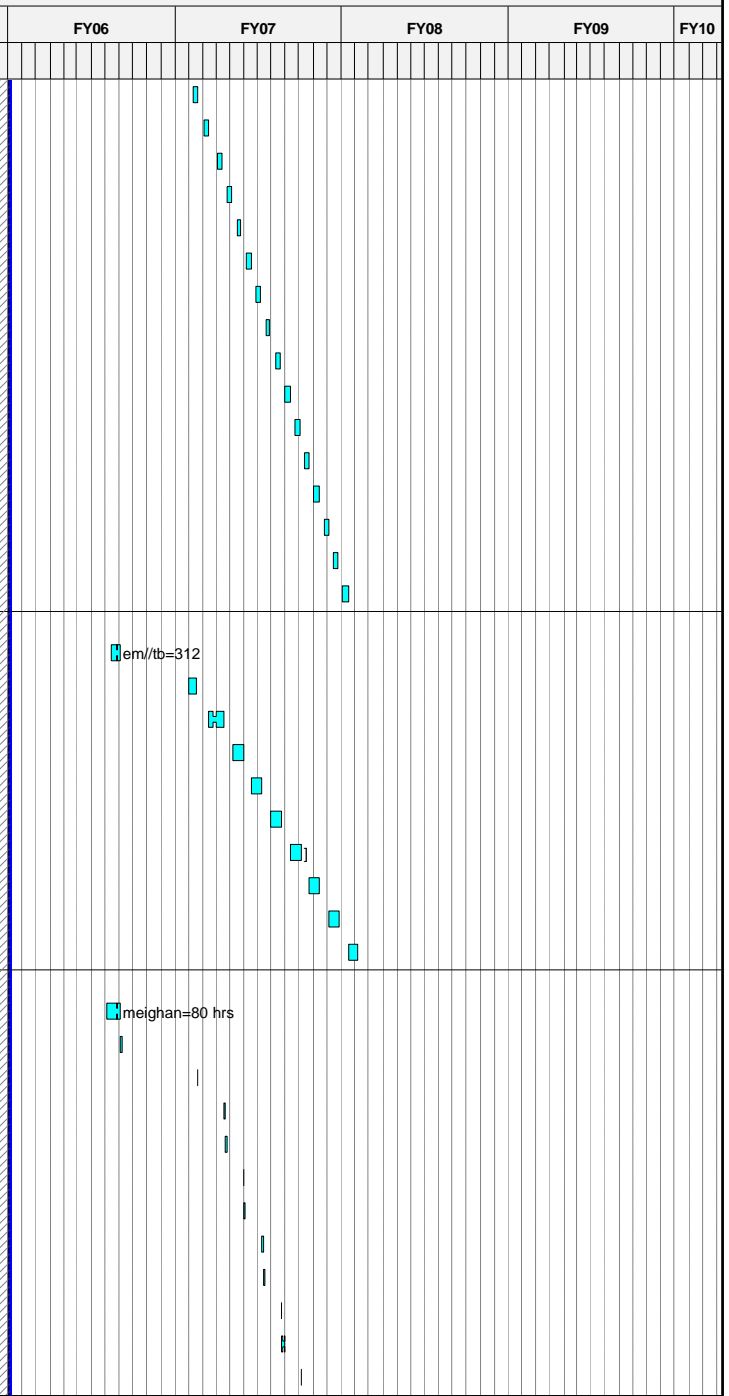
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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Gantt Chart											
										FY06	FY07	FY08	FY09	FY10							
1351-535	Coil Supplies- Safety & PPE equipt & supplies	03OCT05	88	13FEB06	291			0.00	10,968.00	[Gantt bar: m&s=\$8k]											
1351-537	Coil Supplies- Misc supplies	03OCT05	88	13FEB06	291			0.00	10,968.00	[Gantt bar: m&s=\$8k]											
1351-539	Coil Supplies- Primer**NOT REQ'D**)	03OCT05	1	03OCT05	378			0.00	0.00												
1351-541	VPI Supplies- Misc VPI supplies	12JAN06	88	15MAY06	271			0.00	10,968.00	[Gantt bar: m&s=\$8k]											
1351-543	VPI Supplies- Disposable VPI HW	08DEC05	107	15MAY06	271			0.00	83,167.08	[Gantt bar: em//tb=432; m&s=\$35k]											
FY05CV-8	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				14,000.00	14,000.00	[Gantt bar]											
<b>Job: 1361 - TF Fabrication-CHRZANOWSKI</b>																					
<b>TF Fabrication Oversight</b>																					
131-031	Title III engr (FDR through 1st coil test 75%)	14MAR06	78*	30JUN06	355			0.00	67,476.10	[Gantt bar: Kalish=387 75%]											
131-032	Title III engr (completion of coils 10% )	02OCT06	285*	19NOV07	186			0.00	33,569.28	[Gantt bar: Kalish=188 10%]											
131-033	Winding operations field oversight	01DEC05*	493*	19NOV07	476			0.00	26,015.14	[Gantt bar: meghan=5%=200]											
<b>TF Braze Qualification</b>																					
1351-512	Prepare braze samples	01NOV05*	15	21NOV05	298			0.00	10,256.00	[Gantt bar: machinist=80]											
1351-513	Develop braze techniques	22NOV05	15	14DEC05	298			0.00	4,886.40	[Gantt bar: em//tb=60]											
1351-514	Braze conductor samples	15DEC05	15	12JAN06	298			0.00	4,886.40	[Gantt bar: em//tb=60]											
1351-515	Test brazed samples	13JAN06	15	02FEB06	298			0.00	10,256.00	[Gantt bar: em//sm=80]											
<b>Conductor Prep</b>																					
1351-547	Conductor Preparation	03JAN06*	21	31JAN06	311			0.00	27,363.84	[Gantt bar: em//tb=336]											
<b>Coil Winding</b>																					
1351-549	Wind Coil #1	14MAR06	33	27APR06	271			0.00	29,318.40	[Gantt bar: em//tb=360]											
1351-551	Wind Coil #2	02OCT06*	15	20OCT06	187			0.00	22,469.40	[Gantt bar]											
1351-553	Wind Coil #3	23OCT06	15	10NOV06	187			0.00	16,644.00	[Gantt bar]											
1351-555	Wind Coil #4	13NOV06	15	05DEC06	187			0.00	16,644.00	[Gantt bar]											
1351-557	Wind Coil #5	06DEC06	15	03JAN07	187			0.00	6,657.60	[Gantt bar]											
1351-559	Wind Coil #6	04JAN07	15	24JAN07	187			0.00	6,657.60	[Gantt bar]											
1351-561	Wind Coil #7	25JAN07	15	14FEB07	187			0.00	6,657.60	[Gantt bar]											
1351-563	Wind Coil #8	15FEB07	15	07MAR07	187			0.00	6,657.60	[Gantt bar]											
1351-565	Wind Coil #9	08MAR07	15	28MAR07	187			0.00	6,657.60	[Gantt bar]											
1351-567	Wind Coil #10	29MAR07	15	18APR07	187			0.00	6,657.60	[Gantt bar]											
1351-569	Wind Coil #11	19APR07	15	09MAY07	187			0.00	6,657.60	[Gantt bar]											
1351-571	Wind Coil #12	10MAY07	15	31MAY07	187			0.00	6,657.60	[Gantt bar]											
1351-573	Wind Coil #13	01JUN07	15	21JUN07	187			0.00	6,657.60	[Gantt bar]											
1351-575	Wind Coil #14	22JUN07	15	12JUL07	187			0.00	6,657.60	[Gantt bar]											
1351-577	Wind Coil #15	13JUL07	15	02AUG07	187			0.00	6,657.60	[Gantt bar]											
1351-579	Wind Coil #16	03AUG07	15	23AUG07	187			0.00	6,657.60	[Gantt bar]											
1351-581	Wind Coil #17	24AUG07	15	13SEP07	187			0.00	6,657.60	[Gantt bar]											
1351-583	Wind Coil #18	14SEP07	15	04OCT07	187			0.00	6,705.39	[Gantt bar]											
<b>Ground Wrap &amp; Mold Application</b>																					
1351-649	GW & Apply Mold Coil #1	28APR06	12	15MAY06	271			0.00	13,030.40	[Gantt bar: em//tb=160]											
1351-651	GW & Apply Mold Coil #2	23OCT06	7	31OCT06	231			0.00	9,986.40	[Gantt bar]											

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ECP-38 baseline  
 Progress Bar  
 Critical Activity

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
1351-653	GW & Apply Mold Coil #3	13NOV06	7	21NOV06	223			0.00	7,489.80						
1351-655	GW & Apply Mold Coil #4	06DEC06	7	14DEC06	215			0.00	7,489.80						
1351-657	GW & Apply Mold Coil #5	04JAN07	7	12JAN07	210			0.00	2,912.70						
1351-659	GW & Apply Mold Coil #6	25JAN07	7	02FEB07	202			0.00	2,912.70						
1351-661	GW & Apply Mold Coil #7	15FEB07	7	23FEB07	229			0.00	2,912.70						
1351-663	GW & Apply Mold Coil #8	08MAR07	7	16MAR07	221			0.00	2,912.70						
1351-665	GW & Apply Mold Coil #9	29MAR07	7	06APR07	216			0.00	2,912.70						
1351-667	GW & Apply Mold Coil #10	19APR07	7	27APR07	208			0.00	2,912.70						
1351-669	GW & Apply Mold Coil #11	10MAY07	7	18MAY07	203			0.00	2,912.70						
1351-671	GW & Apply Mold Coil #12	01JUN07	7	11JUN07	195			0.00	2,912.70						
1351-673	GW & Apply Mold Coil #13	22JUN07	7	02JUL07	221			0.00	2,912.70						
1351-675	GW & Apply Mold Coil #14	13JUL07	7	23JUL07	213			0.00	2,912.70						
1351-677	GW & Apply Mold Coil #15	03AUG07	7	13AUG07	208			0.00	2,912.70						
1351-679	GW & Apply Mold Coil #16	24AUG07	7	03SEP07	200			0.00	2,912.70						
1351-681	GW & Apply Mold Coil #17	14SEP07	7	24SEP07	195			0.00	2,912.70						
1351-683	GW & Apply Mold Coil #18	05OCT07	7	15OCT07	187			0.00	2,991.10						
<b>VPI</b>															
1351-751	VPI Coil #1	16MAY06	13	02JUN06	271			0.00	25,409.28						
1351-752	VPI Coil #2	01NOV06	13	17NOV06	232			0.00	19,473.48						
1351-755	VPI Coil #3 & #4	15DEC06	17	16JAN07	215			0.00	14,563.50						
1351-759	VPI Coil #5 & #6	05FEB07	17	27FEB07	202			0.00	14,563.50						
1351-763	VPI Coil #7 & #8	19MAR07	17	10APR07	221			0.00	6,241.50						
1351-767	VPI Coil #9 & #10	30APR07	17	22MAY07	208			0.00	6,241.50						
1351-771	VPI Coil #11 & #12	12JUN07	17	04JUL07	195			0.00	6,241.50						
1351-775	VPI Coil #13 & #14	24JUL07	17	15AUG07	213			0.00	6,241.50						
1351-779	VPI Coil #15 & #16	04SEP07	17	26SEP07	200			0.00	6,241.50						
1351-783	VPI Coil #17 & #18	16OCT07	17	07NOV07	187			0.00	6,409.50						
<b>Electrical Test (warm before casting instl))</b>															
1351-848	Prep & setup for warm test	05MAY06	20	02JUN06	358			0.00	10,256.00						
1351-849	Warm Test Coil #1	05JUN06	2	06JUN06	358			0.00	1,303.04						
1351-851	Warm Test Coil #2	20NOV06	2	21NOV06	251			0.00	832.20						
1351-853	Warm Test Coil #3	17JAN07	2	18JAN07	220			0.00	832.20						
1351-855	Warm Test Coil #4	19JAN07	2	22JAN07	227			0.00	832.20						
1351-857	Warm Test Coil #5	28FEB07	2	01MAR07	202			0.00	665.76						
1351-859	Warm Test Coil #6	02MAR07	2	05MAR07	203			0.00	665.76						
1351-861	Warm Test Coil #7	11APR07	2	12APR07	242			0.00	665.76						
1351-863	Warm Test Coil #8	13APR07	2	16APR07	243			0.00	665.76						
1351-865	Warm Test Coil #9	23MAY07	2	24MAY07	218			0.00	499.32						
1351-867	Warm Test Coil #10	25MAY07	2	29MAY07	220			0.00	499.32						
1351-869	Warm Test Coil #11	05JUL07	2	06JUL07	195			0.00	499.32						

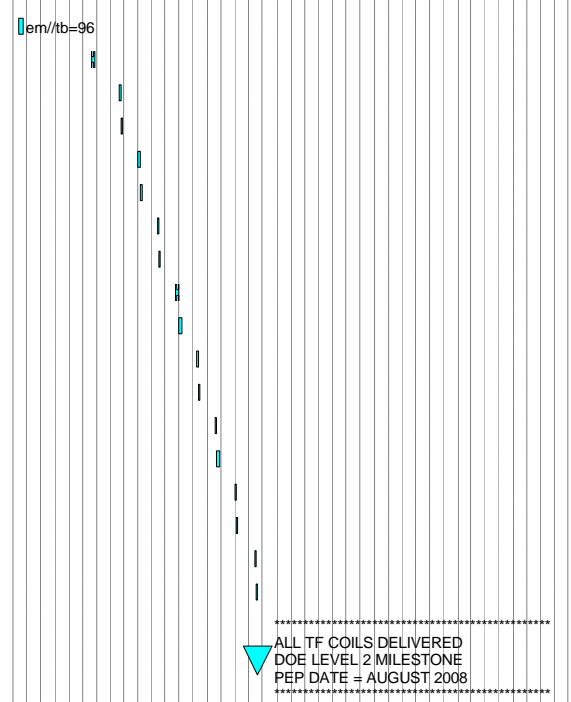


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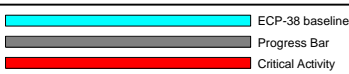
ECP-38 baseline  
 Progress Bar  
 Critical Activity



Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
1351-871	Warm Test Coil #12	09JUL07	2	10JUL07	196			0.00	499.32						
1351-873	Warm Test Coil #13	16AUG07	2	17AUG07	234			0.00	499.32						
1351-875	Warm Test Coil #14	20AUG07	2	21AUG07	235			0.00	499.32						
1351-877	Warm Test Coil #15	27SEP07	2	28SEP07	210			0.00	499.32						
1351-879	Warm Test Coil #16	01OCT07	2	02OCT07	212			0.00	512.76						
1351-881	Warm Test Coil #17	08NOV07	2	09NOV07	187			0.00	512.76						
1351-883	Warm Test Coil #18	12NOV07	2	13NOV07	188			0.00	512.76						
<b>Assemble TF Casting to TF coil</b>															
1351-110A	Assemble TF to Wedge Casting TF#1	15JUN06	6	22JUN06	358			0.00	7,818.24						
1351-115A	Assemble TF to Wedge Casting TF#2	22NOV06	3	28NOV06	251			0.00	5,825.40						
1351-120A	Assemble TF to Wedge Casting TF#3	19JAN07	3	23JAN07	220			0.00	4,577.10						
1351-125A	Assemble TF to Wedge Casting TF#4	24JAN07	3	26JAN07	226			0.00	4,577.10						
1351-130A	Assemble TF to Wedge Casting TF#5	02MAR07	3	06MAR07	202			0.00	4,161.00						
1351-135A	Assemble TF to Wedge Casting TF#6	07MAR07	3	09MAR07	202			0.00	4,161.00						
1351-140A	Assemble TF to Wedge Casting TF#7	13APR07	3	17APR07	242			0.00	249.66						
1351-145A	Assemble TF to Wedge Casting TF#8	18APR07	3	20APR07	242			0.00	2,496.60						
1351-150A	Assemble TF to Wedge Casting TF#9	25MAY07	3	30MAY07	218			0.00	1,997.28						
1351-155A	Assemble TF to Wedge Casting TF#10	31MAY07	3	04JUN07	219			0.00	1,997.28						
1351-160A	Assemble TF to Wedge Casting TF#11	09JUL07	3	11JUL07	195			0.00	1,997.28						
1351-165A	Assemble TF to Wedge Casting TF#12	12JUL07	3	16JUL07	195			0.00	1,997.28						
1351-170A	Assemble TF to Wedge Casting TF#13	20AUG07	3	22AUG07	234			0.00	1,997.28						
1351-175A	Assemble TF to Wedge Casting TF#14	23AUG07	3	27AUG07	234			0.00	1,997.28						
1351-180A	Assemble TF to Wedge Casting TF#15	01OCT07	3	03OCT07	210			0.00	2,051.04						
1351-185A	Assemble TF to Wedge Casting TF#16	04OCT07	3	08OCT07	211			0.00	2,051.04						
1351-190A	Assemble TF to Wedge Casting TF#17	12NOV07	3	14NOV07	187			0.00	2,051.04						
1351-195A	Assemble TF to Wedge Casting TF#18	15NOV07	3	19NOV07	187			0.00	2,051.04						
1351-195X	ALL TF COILS DELIVERED		0	19NOV07	187			0.00	0.00						
<b>Final Test (cold after casting installation)</b>															
1351-901	Build Cryostat for teststand to hold TF coil	09MAY06	20	06JUN06	358			0.00	10,628.20						
1351-905	Cold test #1 BEFORE casting applied	07JUN06	6	14JUN06	358			0.00	9,966.08						
1351-910	Cold test #1 again AFTER casting applied	23JUN06	6	30JUN06	358			0.00	9,966.08						
<b>Job: 1302 - PF and CS Design -KALISH</b>															
<b>TF I&amp;C</b>															
133-008	Design WBS 134 Conv Coil I&C Peer review		0	12OCT05*	1,002	10		0.00	0.00						
133-010	Design WBS 134 Conv Coil I&C	01MAR05A	172*	31OCT05	695	10		1,330.61	13,306.05						
133-011	Design WBS 134 Conv Coil I&C FDR		0	31OCT05*	989	10		0.00	0.00						
1302-PF	PF& CS Support Preliminary Design	01JUN05A	145*	22DEC06	167	25		19,758.17	79,032.67						



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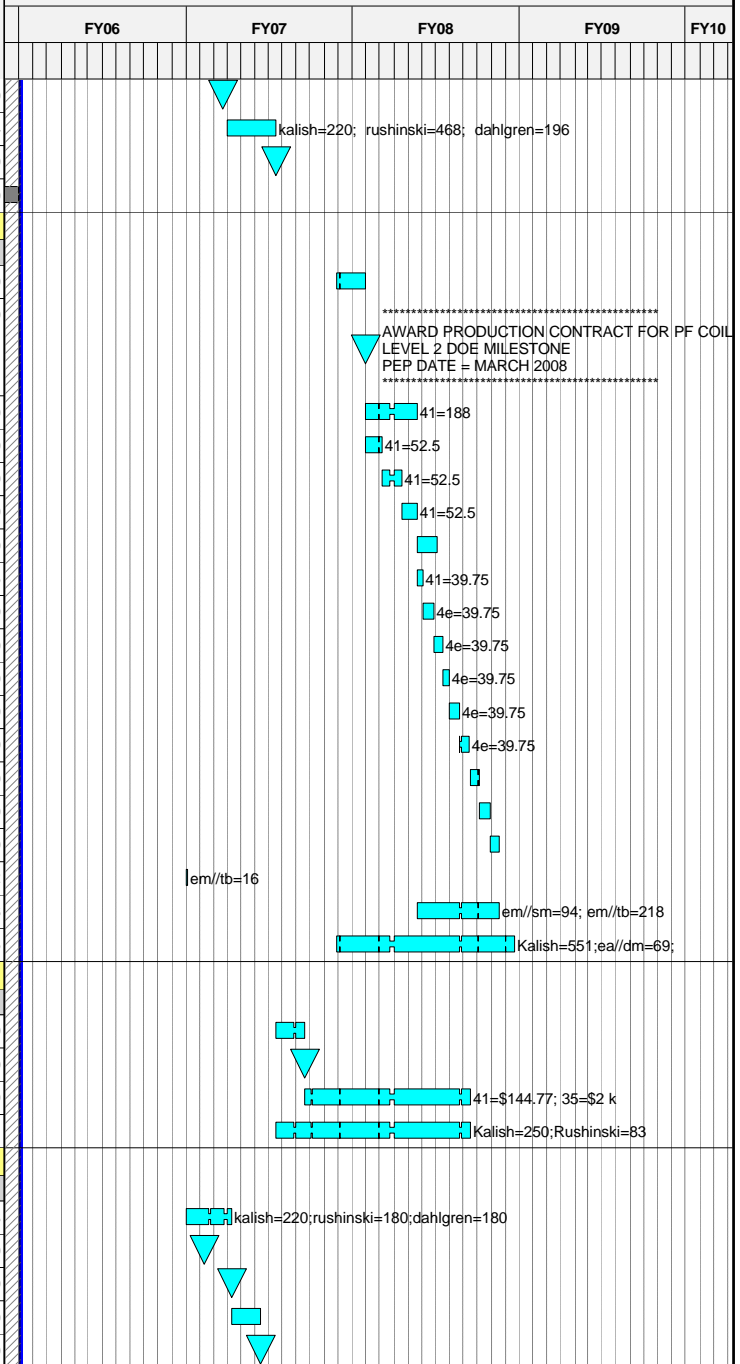


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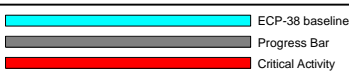
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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year						
										FY06	FY07	FY08	FY09	FY10		
141-012	PF & CS Sprt PDR		0	22DEC06	167			0.00	0.00							
1302-CSS	PF & CS Support Final Design	02JAN07	75	16APR07	167			0.00	157,228.24							
1301-137	PF & CS Support FDR		0	16APR07	167			0.00	0.00							
FY05CV-6	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-22,000.00	-22,000.00							
<b>Job: 1352 - PF Coil Procurement-KALISH</b>																
<b>PF Coil Fabrication</b>																
141-035	Bid & Award PF Coils	27AUG07*	45	29OCT07	124			0.00	0.00							
141-036	PF Coils Awarded		0	29OCT07	124			0.00	0.00							
1352-100	Material & leads	30OCT07	75	21FEB08	124			0.00	264,140.00							
1352-110	Tooling for PF 4	30OCT07*	25	05DEC07	159			0.00	73,762.50							
1352-115	Tooling for PF 5	06DEC07	25	17JAN08	159			0.00	73,762.50							
1352-120	Tooling for PF 6	18JAN08	25	21FEB08	174			0.00	73,762.50							
1352-105	Tooling for PF 1,2 and 3 NOT REQ'D USE PF1a	22FEB08	30	03APR08	174			0.00	0.00							
1352-140	Fabricate/Dlvr PF 4 lower	22FEB08	10	06MAR08	124			0.00	55,848.75							
1352-145	Fabricate/Dlvr PF 5 lower	07MAR08	15	27MAR08	124			0.00	41,817.00							
1352-150	Fabricate/Dlvr PF 6 lower	28MAR08	15	17APR08	124			0.00	41,817.00							
1352-155	Fabricate/Dlvr PF 4 upper	18APR08	10	01MAY08	124			0.00	41,817.00							
1352-160	Fabricate/Dlvr PF 5 upper	02MAY08	15	22MAY08	124			0.00	41,817.00							
1352-165	Fabricate/Dlvr PF 6 upper	23MAY08	15	13JUN08	124			0.00	41,817.00							
1352-125	Fabricate/Dlvr PF 1 NOT REQD USE PF1a	16JUN08	15	07JUL08	124			0.00	0.00							
1352-130	Fabricate/Dlvr PF 2 NOT REQD USE PF1a	08JUL08	15	28JUL08	124			0.00	0.00							
1352-135	Fabricate/Dlvr PF 3 NOT REQD USE PF1a	29JUL08	15	18AUG08	124			0.00	0.00							
1352-135X	Refurbish NSTX PF1a	02OCT06*	5	06OCT06	589			0.00	1,331.52							
722.010	PF Coil receipt inspect/test (formerly wbs 183)	22FEB08	125*	18AUG08	124			0.00	31,275.16							
141-031	Title III engr WBS 132	27AUG07*	268	19SEP08	268			0.00	112,977.05							
<b>Job: 1353 - CS Structure Procurement-KALISH</b>																
<b>CS Support Structure</b>																
163-035	Bid & Award CS Support Struct	17APR07	45	19JUN07	167			0.00	0.00							
163-036.9	Award CS Support Structure		0	19JUN07*	167			0.00	0.00							
163-037	CS Support Structure Procurement/Fab	20JUN07*	249	17JUN08	167			0.00	205,571.79							
163-015	Title III design CS sprt struc	17APR07	294	17JUN08	334			0.00	60,193.11							
<b>Job: 1354 - Trim Coil Procurement-KALISH</b>																
<b>Trim Coils</b>																
1303-TRIM	Trim Coil Design	02OCT06*	65	10JAN07	123			0.00	42,330.68							
1303-136	Trim Coil PDR		0	10NOV06	123			0.00	0.00							
1303-137	Trim Coil FDR		0	10JAN07	123			0.00	0.00							
184-035	Bid & Award Ext Trim Coils	11JAN07	45	14MAR07	123			0.00	0.00							
184-036	Award External Trim Coils		0	14MAR07*	123			0.00	0.00							



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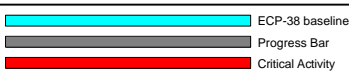
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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget					
										FY06	FY07	FY08	FY09	FY10
184-037	External Trim Coil Procurement/Fab*ecp16	15MAR07	87	17JUL07	123			0.00	34,275.00					
184-015	Title III WBS 133 Rxt Trim Coils	11JAN07	147	07AUG07	549			0.00	26,834.06					
<b>Job: 1355 - WBS 13 I&amp;C Proc &amp; Coil Assy-KALISH</b>														
<b>TF/PF Load I&amp;C</b>														
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07	626			0.00	1,141.72					
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	467			0.00	69,587.22					
1355-100	CS and PF 1a Pre-Assy incl coil I&C procurement	19AUG08	15	09SEP08	124			0.00	20,510.40					
<b>14 - Modular Coils</b>														
<b>+ Job: 1401 - Mod Coil Prel.Dsn**CLOSED**</b>														
		01APR03A	636	30SEP05A				100	304,040.00					
<b>+ Job: 1402 - Mod.Coil Analyses**CLOSED**</b>														
		01APR03A	636	30SEP05A				100	239,140.00					
<b>+ Job:1404-MCWF R&amp;D &amp; 1st Prod Casting**CLOSED**</b>														
		01APR03A	636	30SEP05A				100	2,543,518.06					
<b>+ Job: 1413 -MCWF Fracture Analysis-**CLOSED**</b>														
		01OCT04A	251	30SEP05A				100	28,169.40					
<b>+ Job: 1405-Mod Coil Winding R&amp;D Prep-**CLOSED**</b>														
		01APR03A	636	30SEP05A				100	168,070.00					
<b>+ Job: 1407 -Mod Coil Winding Facility-**CLOSED**</b>														
		01APR03A	636	30SEP05A				100	2,545,993.12					
<b>+ Job: 1412 - Complete Winding Facilities-*CLOSED*</b>														
		01OCT04A	251	30SEP05A				100	537,436.88					
<b>+ Job: 1406 - Mod. Coil Winding R&amp;D-**CLOSED**</b>														
		01APR03A	636	30SEP05A				100	2,246,588.41					
<b>+ Job: 1410 MC Twisted Racetrack Fabr-**CLOSED**</b>														
		01OCT04A	251	30SEP05A				100	1,050,211.32					
<b>+ Job: 1409 - Coil Test Stand-GETTELFINGER*CLOSED*</b>														
		20OCT03A	494	30SEP05A				100	915,941.31					
<b>+ Job: 1415 Dim Cntrl Testing-RAFTOPOLOUS*CLOSED**</b>														
		01OCT04A	251	30SEP05A				100	23,850.00					
<b>+ Job: 1419-Winding Fac. Mods-CHRZANOWSKI*CLOSED*</b>														
		01OCT04A	251	30SEP05A				100	48,000.00					
<b>Job: 1403 - Modular Coil Final Design-WILLIAMSON</b>														
<b>+ PDR/PBR Prep</b>														
		01OCT03A	61	24DEC03A				100	18,016.60					
<b>+ Requirements/Config and Interfaces</b>														
		15OCT03A	160	28MAY04A				100	46,457.09					
<b>+ Analysis - Thermal &amp; Electrical</b>														
		15OCT03A	152	18MAY04A				100	39,639.40					
<b>+ Analysis - Structural</b>														
		15OCT03A	152	18MAY04A				100	367,160.37					
<b>+ Winding Form FDR Prep</b>														
		15OCT03A	236	16SEP04A				100	383,223.24					

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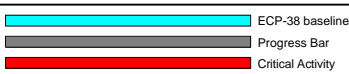
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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
<b>+ MCWF Procurement</b>															
		01JUN04A	86	30SEP04A			100	45,223.48	45,223.48						
<b>+ Coil-to-coil Interface Design</b>															
		15OCT03A	246	30SEP04A			100	91,408.51	91,408.51						
<b>+ MCWF &amp; Winding Analysis/Testing</b>															
		02FEB04A	400	31AUG05A			100	656,902.73	656,902.73						
<b>+ Winding and Assembly Design-Type C</b>															
		01JAN04A	442	30SEP05A			100	267,656.11	267,656.11						
<b>+ Twisted Racetrack Design (Williamson)</b>															
		01OCT03A	455	29JUL05A			100	376,539.25	376,539.25						
<b>+ Prior Costs</b>															
		01OCT04A	251	30SEP05A			100	564,400.00	564,400.00						
<b>Type C Design Closeout</b>															
1403-203C	Finish Clamp Dwgs (5)-Type C	01MAR05A	162	14OCT05	195		90	14,026.11	15,584.57	100 hrs					
1403-90	Compile Material properties database	01OCT04A	272	31OCT05	138		90	17,920.46	19,911.62	nm fan=120					
1403-40.2Z	Update nonlinear winding pack analysis	01AUG04A	304	14OCT05	149		90	77,288.49	85,876.10	freudenberg=480;williamson=40 nelson=4Myatt=40 (\$5k)					
1403-42H	calculate EM loads at leads	01SEP05A	43	31OCT05	138		60	5,820.86	9,701.44	williamson=60					
1403-47A	Update,review & approve FMECA	26SEP05A	20	28OCT05	139		10	663.84	6,638.40	Williamson=80					
1403-42A1	Document analysis of MCWF eddy currents	03OCT05*	21	31OCT05	138			0.00	0.00						
1403-73	Prep struct analysis report	01MAY05A	129	31OCT05	138		50	6,289.21	12,578.42	FREUDENBERG =80hr ;					
1403-76	Structural analysis of leads	01OCT04A	272	31OCT05	138		50	6,242.31	12,484.62	FREUDENBERG =80hr ;					
1403-223C	Finish Top level coil assembly-Type C	01MAR05A	162	14OCT05	149		90	9,974.12	12,467.65	80 hrs					
1403-47C	Perform cool-down/warmup analysis	03OCT05*	21	31OCT05	138			0.00	6,962.40	fan=40					
1403-50A	Check inductance calculation	03OCT05	21	31OCT05	138			0.00	6,748.00	ornlem=40					
1403-200	Side A/B winding pack assy-Type C	01JAN04A	452	14OCT05	149		90	31,533.34	35,037.04	183+60= 243 hrs					
1403-224C	Finish VPI mold assembly-Type C	01MAR05A	162	14OCT05	149		60	1,870.15	3,116.91	20 hrs					
1403-208C	Finish I&C Dwgs -Type C	01MAR05A	162	14OCT05	149		60	3,740.30	6,233.83	40 hrs					
1403-206.1	Cooling tubes/services assy- Type C	25APR05A	123	14OCT05	149		60	5,620.10	9,366.83	60 hrs					
1403-206C	Finish Cooling, Electr Schematic Dwgs - Type C	01MAR05A	162	14OCT05	149		50	3,740.30	6,233.83	40 hrs					
1403-58C	Check and promote clamp, I&C assy dwgs -Type C	01JUN05A	97	14OCT05	149		80	12,512.99	15,641.24	100 hrs					
1403-60C	Finish Update design basis document	02MAY05A	118	14OCT05	149		60	7,495.73	12,492.88	80 hrs					
1403-59	Type-C product specifications	02MAY05A	118	14OCT05	148		90	5,621.80	6,246.44	40 hrs					
1403-506	Chill plate dwgs approved for fabrication	03OCT05	1	03OCT05	156			0.00	0.00						
1403-510	Clamp and assy dwgs approved for fabrication	17OCT05	1	17OCT05	195			0.00	0.00						
1403-20.2	Resolve FDR chits	01AUG05A	56	17OCT05	148		50	3,105.96	6,211.91	40 hrs					
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	01SEP05A	36	21OCT05	995		50	3,214.17	6,428.33	40 hrs					
1403-20.0	Final Design Close-out for Type C		0	31OCT05*	138			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	218			0.00	6,748.00	ORNLEM =40hr ;					

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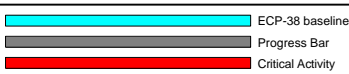


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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year													
										FY06	FY07	FY08	FY09	FY10									
1416A-109	-Check and Promote	22DEC05	5	05JAN06	218			0.00	3,374.00														
1416A-113	MCWF mods-As-Built MCWF	01AUG05A	50*	07OCT05	269	50		6,200.00	12,400.00														
1416A-117	MCWF mods-Studs, Lead Block Mount	10OCT05*	5	14OCT05	264			0.00	6,748.00														
1416A-121	MCWF mods-Seal Groove Adapter	17OCT05*	5	21OCT05	259			0.00	6,748.00														
1416A-125	MCWF mods-Metrology Data Files	24OCT05*	3	26OCT05	256			0.00	3,374.00														
1416A-129	MCWF mods-Check and Promote	27OCT05	5	02NOV05	256			0.00	3,374.00														
1416A-133	Lead Block Assy-Lead Blocks	03OCT05*	20	28OCT05	225			0.00	13,496.00														
1416A-137	Lead Block Assy-Top and Side Plates	24OCT05*	20	18NOV05	210			0.00	13,496.00														
1416A-141	Lead Block Assy-Detail Parts, Intralink	21NOV05*	3	23NOV05	207			0.00	6,748.00														
1416A-145	Lead Block Assy-Filament Data Files	23NOV05*	5	01DEC05	203			0.00	3,374.00														
1416A-149	Lead Block Assy-Check and Promote	02DEC05	5	08DEC05	203			0.00	3,374.00														
1416A-153	Lead Terminals-Splice Plates	25OCT05*	3	27OCT05	226			0.00	3,374.00														
1416A-157	Lead Terminals-Check and Promote	28OCT05	5	03NOV05	226			0.00	3,374.00														
1416A-161	Side A Coil Assy-Cladding Asm	01SEP05A	42*	28OCT05	224	80		29,720.38	37,150.48														
1416A-165	Side A Coil Assy-Cond Layers, Geom Files	31OCT05*	5	04NOV05	244			0.00	6,748.00														
1416A-169	Side A Coil Assy-Magnetic Loops	10NOV05*	3	14NOV05	238			0.00	3,374.00														
1416A-173	Side A Coil Assy-Chill Plates and Tubing	31OCT05*	30	13DEC05	219			0.00	40,488.00														
1416A-177	Side A Coil Assy-Check and Promote	14DEC05	10	04JAN06	219			0.00	6,748.00														
1416A-181	Side B Coil Assy-Cladding Asm	01SEP05A	42*	28OCT05	224	80		31,177.92	38,972.40														
1416A-185	Side B Coil Assy-Cond Layers, Geom Files	01NOV05*	5	07NOV05	243			0.00	6,748.00														
1416A-189	Side B Coil Assy-Magnetic Loops	14NOV05*	3	16NOV05	236			0.00	3,374.00														
1416A-193	Side B Coil Assy-Chill Plates and Tubing	31OCT05*	30	13DEC05	219			0.00	41,774.40														
1416A-197	Side B Coil Assy-Check and Promote	14DEC05	10	04JAN06	219			0.00	6,748.00														
1416A-201	Coil Post VPI mods-Studs Removed	31OCT05*	3	02NOV05	251			0.00	3,374.00														
1416A-205	Coil Post VPI mods-Clamp Arrangement	03NOV05*	5	09NOV05	246			0.00	6,748.00														
1416A-209	Coil Post VPI mods-Check and Promote	10NOV05	5	16NOV05	246			0.00	3,374.00														
1416A-213	Clamp Assy-Clamp Hardware	24OCT05*	1	24OCT05	262			0.00	674.80														
1416A-217	Clamp Assy-Check and Promote	25OCT05	1	25OCT05	262			0.00	674.80														
1416A-221	I&C-Strain Gages and T/C	09DEC05*	3	13DEC05	224			0.00	3,374.00														
1416A-225	I&C-Rogowski Coils	02DEC05*	5	08DEC05	227			0.00	6,748.00														
1416A-229	I&C-Check and Promote	14DEC05	5	20DEC05	224			0.00	3,374.00														
1416A-233	Coil-to-Coil -Current Feed Insul, Covers	15NOV05*	5	21NOV05	238			0.00	3,374.00														
1416A-237	Coil-to-Coil -Windings Insul Blanket	10NOV05*	5	16NOV05	241			0.00	3,374.00														
1416A-241	Coil-to-Coil -Bushing Installation	18NOV05*	5	28NOV05	235			0.00	3,374.00														
1416A-245	Coil-to-Coil -Check and Promote	29NOV05	5	05DEC05	235			0.00	3,374.00														
1416A-249	-Type-A Coil Asm Specification	20DEC05*	5	03JAN06	210			0.00	6,748.00														
1416A-253	-Review and Approve Type-A Spec	04JAN06	5	10JAN06	210			0.00	3,374.00														
1416A-257	-Update Coil Fab Procedures	11JAN06	5	17JAN06	210			0.00	3,374.00														
1416A-261	-Prepare and Conduct FDR	18JAN06*	5	24JAN06	210			0.00	6,748.00														

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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year Allocation															
										FY06	FY07	FY08	FY09	FY10											
1416A-262	TYPE A FDR		0	24JAN06	210			0.00	0.00																
1416A-265	-Resolve FDR Comments	25JAN06	10	07FEB06	210			0.00	6,748.00																
<b>Winding and Assembly Design-Type B</b>																									
1416B-105	-Subasm Shrinkwrap	11APR06*	5	17APR06	208			0.00	6,748.00																
1416B-109	-Check and Promote	18APR06	5	24APR06	208			0.00	3,372.31																
1416B-113	MCWF mods-As-Built MCWF	03JAN06*	5	09JAN06	278			0.00	6,748.00																
1416B-117	MCWF mods-Studs, Lead Block Mount	10JAN06*	5	16JAN06	273			0.00	6,748.00																
1416B-121	MCWF mods-Seal Groove Adapter	18JAN06*	5	24JAN06	267			0.00	6,748.00																
1416B-125	MCWF mods-Metrology Data Files	23JAN06*	3	25JAN06	266			0.00	3,372.31																
1416B-129	MCWF mods-Check and Promote	26JAN06	5	01FEB06	266			0.00	3,372.31																
1416B-133	Lead Block Assy-Lead Blocks	05DEC05*	20	09JAN06	249			0.00	13,492.63																
1416B-137	Lead Block Assy-Top and Side Plates	05JAN06*	20	01FEB06	232			0.00	13,492.63																
1416B-141	Lead Block Assy-Detail Parts, Intralink	10FEB06*	5	16FEB06	221			0.00	6,748.00																
1416B-145	Lead Block Assy-Filament Data Files	06FEB06*	5	10FEB06	225			0.00	3,372.31																
1416B-149	Lead Block Assy-Check and Promote	17FEB06	5	23FEB06	221			0.00	3,372.31																
1416B-153	Lead Terminals-Splice Plates	26JAN06*	5	01FEB06	232			0.00	3,372.31																
1416B-157	Lead Terminals-Check and Promote	02FEB06	5	08FEB06	232			0.00	3,372.31																
1416B-161	Side A Coil Assy-Cladding Asm	14DEC05*	35	08FEB06	226			0.00	47,230.94																
1416B-165	Side A Coil Assy-Cond Layers, Geom Files	30JAN06*	5	03FEB06	254			0.00	6,748.00																
1416B-169	Side A Coil Assy-Magnetic Loops	03FEB06*	5	09FEB06	250			0.00	3,372.31																
1416B-173	Side A Coil Assy-Chill Plates and Tubing	07FEB06*	45	10APR06	208			0.00	60,723.57																
1416B-177	Side A Coil Assy-Check and Promote	11APR06	10	24APR06	208			0.00	6,748.00																
1416B-181	Side B Coil Assy-Cladding Asm	14DEC05*	35	08FEB06	226			0.00	48,731.58																
1416B-185	Side B Coil Assy-Cond Layers, Geom Files	30JAN06*	5	03FEB06	254			0.00	6,748.00																
1416B-189	Side B Coil Assy-Magnetic Loops	03FEB06*	5	09FEB06	250			0.00	3,372.31																
1416B-193	Side B Coil Assy-Chill Plates and Tubing	07FEB06*	45	10APR06	208			0.00	62,652.90																
1416B-197	Side B Coil Assy-Check and Promote	11APR06	10	24APR06	208			0.00	6,748.00																
1416B-201	Coil Post VPI mods-Studs Removed	31JAN06*	5	06FEB06	258			0.00	3,372.31																
1416B-205	Coil Post VPI mods-Clamp Arrangement	03FEB06*	5	09FEB06	255			0.00	6,748.00																
1416B-209	Coil Post VPI mods-Check and Promote	10FEB06	5	16FEB06	255			0.00	3,372.31																
1416B-213	Clamp Assy-Clamp Hardware	25JAN06*	1	25JAN06	270			0.00	674.80																
1416B-217	Clamp Assy-Check and Promote	26JAN06	1	26JAN06	270			0.00	674.80																
1416B-221	I&C-Strain Gages and T/C	03MAR06*	5	09MAR06	235			0.00	3,372.31																
1416B-225	I&C-Rogowski Coils	08MAR06*	5	14MAR06	232			0.00	6,748.00																
1416B-229	I&C-Check and Promote	15MAR06	5	21MAR06	232			0.00	3,372.31																
1416B-233	Coil-to-Coil -Current Feed Insul, Covers	23FEB06*	5	01MAR06	241			0.00	3,372.31																
1416B-237	Coil-to-Coil -Windings Insul Blanket	20FEB06*	5	24FEB06	244			0.00	3,372.31																
1416B-241	Coil-to-Coil -Bushing Installation	28FEB06*	5	06MAR06	238			0.00	3,372.31																
1416B-245	Coil-to-Coil -Check and Promote	07MAR06	5	13MAR06	238			0.00	3,372.31																

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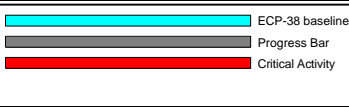
Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget						
										FY06	FY07	FY08	FY09	FY10	
1416B-249	-Type-B Coil Asm Specification	11APR06*	5	17APR06	203			0.00	6,748.00						
1416B-253	-Review and Approve Type-B Spec	18APR06	5	24APR06	203			0.00	3,372.31						
1416B-257	-Update Coil Fab Procedures	25APR06	5	01MAY06	203			0.00	3,372.31						
1416B-261	-Prepare and Conduct FDR	02MAY06*	5	08MAY06	203			0.00	6,748.00						
1416B-262	TYPE B FDR		0	08MAY06	203			0.00	0.00						
1416B-265	-Resolve FDR Comments	09MAY06	10	22MAY06	203			0.00	6,748.00						
<b>Job:1408-Mod Coil Winding Supplies-CHYZANOWSKI</b>															
<b>+ Prior Costs</b>															
		01APR03A	64	30SEP03A			100	29,790.00	29,790.00						
<b>+ Copper Conductor</b>															
		02AUG04A	315	31OCT05	994		100	273,275.40	273,275.40						
<b>+ Insulation for conductor</b>															
		09JUL04A	245	30JUN05A			100	26,901.00	26,901.00						
<b>+ Groundwrap Insulation</b>															
		03JAN05A	41	28FEB05A			100	25,620.00	25,620.00						
<b>Cladding</b>															
1408-501	Submet Requisition for Type C Cladding	03OCT05	1	03OCT05	201			0.00	0.00						
1408-503	Bid and Award Type C Cladding	04OCT05	20	31OCT05	201			0.00	0.00						
1408-505	PPPL Fabr Cladding Type C for Coil c1	01MAY05A	15	31MAY05A			100	3,586.65	3,586.65						
1408-507	PPPL Fabr Cladding Type C for Coil c2	01NOV05	15	21NOV05	979			0.00	3,838.80						
1408-509	Fabr Cladding Type C for Coil c3	01NOV05	15	21NOV05	201			0.00	3,838.80						
1408-511	Fabr Cladding Type C for Coil c4	22NOV05	15	14DEC05	201			0.00	3,838.80						
1408-513	Fabr Cladding Type C for Coil c5	15DEC05	15	12JAN06	201			0.00	3,838.80						
1408-515	Fabr Cladding Type C for Coil c6	13JAN06	15	02FEB06	202			0.00	3,838.80						
1408-517	Submet Requisition for Type A Cladding	31OCT05	5	04NOV05	224			0.00	0.00						
1408-519	Bid and Award Type A Cladding	07NOV05	30	20DEC05	224			0.00	0.00						
1408-521	Fabr Cladding Type A for Coil a1	21DEC05	15	18JAN06	224			0.00	3,838.80						
1408-523	Fabr Cladding Type A for Coil a2	19JAN06	15	08FEB06	229			0.00	3,838.80						
1408-525	Fabr Cladding Type A for Coil a3	09FEB06	15	01MAR06	241			0.00	3,838.80						
1408-527	Fabr Cladding Type A for Coil a4	02MAR06	15	22MAR06	252			0.00	3,838.80						
1408-529	Fabr Cladding Type A for Coil a5	23MAR06	15	12APR06	252			0.00	3,838.80						
1408-531	Fabr Cladding Type A for Coil a6	13APR06	15	03MAY06	252			0.00	3,838.80						
1408-533	Submet Requisition for Type B Cladding	09FEB06	5	15FEB06	226			0.00	0.00						
1408-535	Bid and Award Type B Cladding	16FEB06	30	29MAR06	226			0.00	0.00						
1408-537	Fabr Cladding Type B for Coil b1	30MAR06	15	19APR06	226			0.00	3,838.80						
1408-539	Fabr Cladding Type B for Coil b2	20APR06	15	10MAY06	258			0.00	3,838.80						
1408-541	Fabr Cladding Type B for Coil b3	11MAY06	15	01JUN06	301			0.00	3,838.80						
1408-543	Fabr Cladding Type B for Coil b4	02JUN06	15	22JUN06	304			0.00	3,838.80						
1408-545	Fabr Cladding Type B for Coil b5	23JUN06	15	14JUL06	324			0.00	3,838.80						
1408-547	Fabr Cladding Type B for Coil b6	17JUL06	15	04AUG06	367			0.00	3,838.80						

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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
<b>Lead hardware &amp; Fillers</b>															
1408-705	Fabr Lead HW Type C for Coil c1	01JUL05A	94	10NOV05	142	50		46,068.56	92,137.12						
1408-707	Fabr Lead HW Type C for Coil c2	01JUL05A	97	15NOV05	164	50		12,254.96	24,509.92						
1408-701	Submet Requisition for Type C3-C6 Lead HW	01AUG05A	5	05AUG05A				0.00	0.00						
1408-703	Bid and Award Type C3-C6 Lead HW	08AUG05A	30	31AUG05A				0.00	0.00						
1408-709	Fabr Lead HW Type C for Coil c3	03OCT05	42	01DEC05	189			0.00	26,186.10						
1408-711	Fabr Lead HW Type C for Coil c4	02DEC05	20	06JAN06	196			0.00	26,186.10						
1408-713	Fabr Lead HW Type C for Coil c5	09JAN06	20	03FEB06	196			0.00	26,186.10						
1408-715	Fabr Lead HW Type C for Coil c6	06FEB06	20	03MAR06	440			0.00	26,186.10						
1408-717	Submet Requisition for Type A Lead HW	09DEC05	5	15DEC05	203			0.00	0.00						
1408-719	Bid and Award Type A Lead HW	16DEC05	30	03FEB06	203			0.00	0.00						
1408-721	Fabr Lead HW Type A for Coil a1	06FEB06	20	03MAR06	203			0.00	26,186.10						
1408-723	Fabr Lead HW Type A for Coil a2	06MAR06	20	31MAR06	203			0.00	26,186.10						
1408-725	Fabr Lead HW Type A for Coil a3	03APR06	20	28APR06	210			0.00	26,186.10						
1408-727	Fabr Lead HW Type A for Coil a4	01MAY06	20	26MAY06	237			0.00	26,186.10						
1408-729	Fabr Lead HW Type A for Coil a5	30MAY06	20	26JUN06	237			0.00	26,186.10						
1408-731	Fabr Lead HW Type A for Coil a6	27JUN06	20	25JUL06	374			0.00	26,186.10						
1408-733	Submet Requisition for Type B Lead HW	24FEB06	5	02MAR06	221			0.00	0.00						
1408-735	Bid and Award Type B Lead HW	03MAR06	30	13APR06	221			0.00	0.00						
1408-737	Fabr Lead HW Type B for Coil b1	14APR06	20	11MAY06	221			0.00	26,186.10						
1408-739	Fabr Lead HW Type B for Coil b2	12MAY06	20	09JUN06	276			0.00	26,186.10						
1408-741	Fabr Lead HW Type B for Coil b3	12JUN06	20	10JUL06	284			0.00	26,186.10						
1408-743	Fabr Lead HW Type B for Coil b4	11JUL06	20	07AUG06	284			0.00	26,186.10						
1408-745	Fabr Lead HW Type B for Coil b5	08AUG06	20	04SEP06	299			0.00	26,186.10						
1408-747	Fabr Lead HW Type B for Coil b6	05SEP06	20	02OCT06	337			0.00	26,186.10						
<b>Chill Plates</b>															
1408-601	Submet Requisition for Type C Chill Plts	04OCT05	5	10OCT05	156			0.00	0.00						
1408-603	Bid and Award Type C Chill Plts	11OCT05	30	21NOV05	156			0.00	0.00						
1408-605	Fabr Chill Plts Type C for Coil c1	22NOV05	20	21DEC05	156			0.00	3,838.80						
1408-607	Fabr Chill Plts Type C for Coil c2	22DEC05	20	26JAN06	167			0.00	3,838.80						
1408-609	Fabr Chill Plts Type C for Coil c3	27JAN06	20	23FEB06	170			0.00	3,838.80						
1408-611	Fabr Chill Plts Type C for Coil c4	24FEB06	20	23MAR06	177			0.00	3,838.80						
1408-613	Fabr Chill Plts Type C for Coil c5	24MAR06	20	20APR06	177			0.00	3,838.80						
1408-615	Fabr Chill Plts Type C for Coil c6	21APR06	20	18MAY06	420			0.00	3,838.80						
1408-617	Submet Requisition for Type A Chill Plts	14DEC05	5	20DEC05	235			0.00	0.00						
1408-619	Bid and Award Type A Chill Plts	21DEC05	30	08FEB06	235			0.00	0.00						
1408-621	Fabr Chill Plts Type A for Coil a1	09FEB06	20	08MAR06	235			0.00	3,838.80						
1408-623	Fabr Chill Plts Type A for Coil a2	09MAR06	20	05APR06	235			0.00	3,838.80						
1408-625	Fabr Chill Plts Type A for Coil a3	06APR06	20	03MAY06	242			0.00	3,838.80						
1408-627	Fabr Chill Plts Type A for Coil a4	04MAY06	20	01JUN06	269			0.00	3,838.80						

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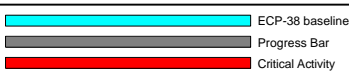


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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year				
										FY06	FY07	FY08	FY09	FY10
1408-629	Fabr Chill Plts Type A for Coil a5	02JUN06	20	29JUN06	270			0.00	3,838.80					
1408-631	Fabr Chill Plts Type A for Coil a6	30JUN06	20	28JUL06	406			0.00	3,838.80					
1408-633	Submet Requisition for Type B Chill Plts	11APR06	5	17APR06	224			0.00	0.00					
1408-635	Bid and Award Type B Chill Plts	18APR06	30	30MAY06	224			0.00	0.00					
1408-637	Fabr Chill Plts Type B for Coil b1	31MAY06	20	27JUN06	224			0.00	3,838.80					
1408-639	Fabr Chill Plts Type B for Coil b2	28JUN06	20	26JUL06	280			0.00	3,838.80					
1408-641	Fabr Chill Plts Type B for Coil b3	27JUL06	20	23AUG06	287			0.00	3,838.80					
1408-643	Fabr Chill Plts Type B for Coil b4	24AUG06	20	20SEP06	287			0.00	3,838.80					
1408-645	Fabr Chill Plts Type B for Coil b5	21SEP06	20	18OCT06	301			0.00	3,838.80					
1408-647	Fabr Chill Plts Type B for Coil b6	19OCT06	20	15NOV06	340			0.00	3,838.80					
<b>Tubing</b>														
1408-761	Submet Requisition for Tubing	17OCT05	5	21OCT05	172			0.00	0.00					
1408-763	Bid and Award Tubing	24OCT05	15	11NOV05	172			0.00	0.00					
1408-765	Deliver Tubing	14NOV05	10	29NOV05	172			0.00	2,742.00					
<b>Epoxy</b>														
1408-111	Epoxy - Requisition	01JAN05A	5	31JAN05A			100	0.00	0.00					
1408-114	Epoxy -Evaluate Bids & Award	01MAY05A	10	31MAY05A			100	0.00	0.00					
1408-117	Epoxy -1st Delivery for Production	01FEB06	20	28FEB06	230			0.00	20,565.00					
1408-119	Epoxy -2nd Delivery for Production	07APR06	20	04MAY06	207			0.00	20,565.00					
1408-121	Epoxy -3rd Delivery for Production	26OCT06	20	22NOV06	137			0.00	20,565.00					
1408-123	Epoxy -4th Delivery for Production	04JAN07	20	31JAN07	137			0.00	20,565.00					
1408-125	Epoxy -5th Delivery for Production	01FEB07	20	28FEB07	163			0.00	20,565.00					
1408-127	Epoxy -6th Delivery for Production	09APR07	20	04MAY07	156			0.00	20,565.00					
<b>Clamps</b>														
1408-901	Submet Requisition for Type C Clamps	18OCT05	5	24OCT05	195			0.00	0.00					
1408-903	Bid and Award Type C Clamps	25OCT05	40	21DEC05	195			0.00	0.00					
1408-905	Fabr Clamps Type C for Coil c1	22DEC05	30	09FEB06	195			0.00	20,565.00					
1408-907	Fabr Clamps Type C for Coil c2	10FEB06	30	23MAR06	195			0.00	20,565.00					
1408-909	Fabr Clamps Type C for Coil c3	24MAR06	30	04MAY06	195			0.00	20,565.00					
1408-911	Fabr Clamps Type C for Coil c4	05MAY06	30	16JUN06	195			0.00	20,565.00					
1408-913	Fabr Clamps Type C for Coil c5	19JUN06	30	31JUL06	195			0.00	20,565.00					
1408-915	Fabr Clamps Type C for Coil c6	19JUN07	30	30JUL07	172			0.00	20,565.00					
1408-917	Submet Requisition for Type A Clamps	26OCT05	5	01NOV05	276			0.00	0.00					
1408-919	Bid and Award Type A Clamps	02NOV05	40	06JAN06	276			0.00	0.00					
1408-921	Fabr Clamps Type A for Coil a1	09JAN06	30	17FEB06	276			0.00	20,565.00					
1408-923	Fabr Clamps Type A for Coil a2	20FEB06	30	31MAR06	276			0.00	20,565.00					
1408-925	Fabr Clamps Type A for Coil a3	03APR06	30	12MAY06	276			0.00	20,565.00					
1408-927	Fabr Clamps Type A for Coil a4	15MAY06	30	26JUN06	288			0.00	20,565.00					
1408-929	Fabr Clamps Type A for Coil a5	27JUN06	30	08AUG06	316			0.00	20,565.00					
1408-931	Fabr Clamps Type A for Coil a6	09AUG06	30	19SEP06	396			0.00	20,565.00					

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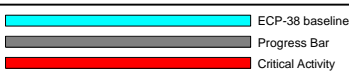
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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Gantt Chart				
										FY06	FY07	FY08	FY09	FY10
1408-933	Submet Requisition for Type B Clamps	27JAN06	5	02FEB06	286			0.00	0.00					
1408-935	Bid and Award Type B Clamps	03FEB06	40	30MAR06	286			0.00	0.00					
1408-937	Fabr Clamps Type B for Coil b1	31MAR06	30	11MAY06	286			0.00	20,565.00					
1408-939	Fabr Clamps Type B for Coil b2	12MAY06	30	23JUN06	298			0.00	20,565.00					
1408-941	Fabr Clamps Type B for Coil b3	26JUN06	30	07AUG06	323			0.00	20,565.00					
1408-943	Fabr Clamps Type B for Coil b4	08AUG06	30	18SEP06	323			0.00	20,565.00					
1408-945	Fabr Clamps Type B for Coil b5	19SEP06	30	30OCT06	346			0.00	20,565.00					
1408-947	Fabr Clamps Type B for Coil b6	31OCT06	30	13DEC06	346			0.00	20,565.00					
<b>Other</b>														
1408-137	Safety & PPE equip & supplies	01MAY05A	689	31JAN08	434	20		4,082.52	20,412.61					
1408-138	Misc. Supplies	01JUL05A	646	31JAN08	434	50		8,196.93	16,393.86					
1408-173	Epoxy for Shell Mold (Hysol)	03OCT05*	581	31JAN08	434			0.00	24,762.27					
1408-183	Tubing (Chem flor and Poly)	01SEP05A	67	06DEC05	970	50		23,475.34	46,950.67					
1408-184	Vulcanizing tape, felt and RTV	03OCT05*	45	06DEC05	970			0.00	30,162.00					
1408-185	Valves and Fittings	01AUG05A	66	31OCT05	994	50		13,394.01	19,644.55					
1408-186	Manifolds	01SEP05A	209	30SEP05A		100		75,850.56	75,850.56					
<b>I&amp;C</b>														
174-035	Modular Coil local I&C -Procurement	17OCT05	60	18JAN06	295			0.00	18,275.43					
FY05CV-21	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				33,000.00	33,000.00					
<b>Job: 1411-MCWF Fabrication S005242-HEITZENROEDER</b>														
172-031	Title III engr	24MAY04A	340	30SEP05A			LOE	76,273.90	76,273.90					
172-031.1	Title III engr	03OCT05*	350	01MAR07	660		LOE	0.00	167,147.43					
MCWF-001	EIO Project Mgt. & Reporting	29OCT04A	497	02OCT06	773	54		490,768.20	908,830.00					
MCWF-011	Pattern A complete	29OCT04A	126	01APR05A		100		290,125.00	290,125.00					
MCWF-021	Pattern B complete	01DEC04A	220	30SEP05A		100		255,120.00	255,120.00					
MCWF-031	Major Tool Tooling Complete	29OCT04A	82	28FEB05A		100		628,622.00	628,622.00					
MCWF-041	Materials (MetalTek)	29NOV04A	282	31AUG05A		100		744,750.00	744,750.00					
MCWF-051	C1-MTK-casting upgrade	20DEC04A	63	31MAR05A		100		146,248.12	146,248.12					
MCWF-061	C1-MTM - machining/inspection	01APR05A	136	30SEP05A		M 100		154,910.00	154,910.00					
C-121.1	First MCWF C-1 Delivered		0	30SEP05A				0.00	0.00					
MCWF-071	C1-Receive at PPPL		0	03OCT05A		CD		0.00	0.00					
MCWF-081	C2-MTK-casting	01APR05A	66	27JUN05A		100		142,920.00	142,920.00					
MCWF-091	C2-MTM - machining/inspection	28JUN05A	106	28NOV05	141	75		116,182.50	154,910.00					
MCWF-101	C2-Receive at PPPL		0	29NOV05	145			0.00	0.00					
MCWF-141	C3-MTK-casting	12MAY05A	102	19SEP05A		100		142,920.00	142,920.00					
MCWF-151	C3-MTM - machining/inspection	20SEP05A	74	11JAN06	145	5		7,745.50	154,910.00					
MCWF-161	C3-Receive at PPPL		0	13JAN06	152			0.00	0.00					
MCWF-201	C4-MTK-casting	16MAY05A	122	04NOV05	143	85		121,482.00	142,920.00					

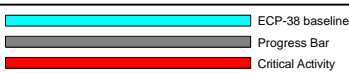
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 ECP-38 baseline  
 Progress Bar  
 Critical Activity

ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Gantt Chart											
										FY06	FY07	FY08	FY09	FY10							
MCWF-211	C4-MTM - machining/inspection	07NOV05*	73	27FEB06	143	5		7,745.50	154,910.00	48=155 ;											
MCWF-221	C4-Receive at PPPL		0	01MAR06	146			0.00	0.00	▼											
MCWF-261	C5-MTK-casting	30MAY05A	123	21NOV05	148	75		107,190.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-271	C5-MTM - machining/inspection	22NOV05*	70	09MAR06	148	2		3,098.20	154,910.00	48=155 ;											
MCWF-281	C5-Receive at PPPL		0	13MAR06	158			0.00	0.00	▼											
MCWF-291	C6-MTK-casting	16JUN05A	121	07DEC05	134	65		92,898.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-301	C6-MTM - machining/inspection	08DEC05	70	23MAR06	134			0.00	154,910.00	48=155 ;											
MCWF-311	C6-Receive at PPPL		0	27MAR06	164			0.00	0.00	▼											
MCWF-111	A1-MTK-casting	22APR05A	116	08SEP05A		100		143,110.00	143,110.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-121	A1-MTM - machining/inspection	09SEP05A	93	05MAY06	143	10		15,491.00	154,910.00	48=155 ;											
MCWF-131	A1-Receive at PPPL		0	10MAY06	143			0.00	0.00	▼											
MCWF-171	A2-MTK-casting	17AUG05A	65	11JAN06	176	50		71,460.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-181	A2-MTM - machining/inspection	28FEB06	70	06JUN06	143			0.00	154,910.00	48=155 ;											
MCWF-191	A2-Receive at PPPL		0	08JUN06	143			0.00	0.00	▼											
MCWF-351	A3-MTK-casting	26SEP05A	96	16FEB06	163	2		2,862.20	143,110.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-361	A3-MTM - machining/inspection	10MAR06	70	16JUN06	148			0.00	154,910.00	48=155 ;											
MCWF-371	A3-Receive at PPPL		0	21JUN06	161			0.00	0.00	▼											
MCWF-231	B1-MTK-casting	16SEP05A	111	01MAR06	150	5		7,146.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-241	B1-MTM - machining/inspection	24MAR06	80	17JUL06	134			0.00	154,910.00	48=155 ;											
MCWF-251	B1-Receive at PPPL		0	19JUL06	162			0.00	0.00	▼											
MCWF-381	A4-MTK-casting	15DEC05*	75	06APR06	175			0.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-391	A4-MTM - machining/inspection	08MAY06	70	15AUG06	154			0.00	154,910.00	48=155 ;											
MCWF-401	A4-Receive at PPPL		0	18AUG06	154			0.00	0.00	▼											
MCWF-411	A5-MTK-casting	20JAN06*	75	04MAY06	166			0.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-421	A5-MTM - machining/inspection	07JUN06	70	14SEP06	144			0.00	154,910.00	48=155 ;											
MCWF-431	A5-Receive at PPPL		0	19SEP06	144			0.00	0.00	▼											
MCWF-441	A6-MTK-casting	20FEB06*	75	05JUN06	157			0.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-451	A6-MTM - machining/inspection	19JUN06	70	26SEP06	148			0.00	155,000.00	48=155 ;											
MCWF-461	A6-Receive at PPPL		0	28SEP06	148			0.00	0.00	▼											
MCWF-321	B2-MTK-casting	08MAR06*	75	21JUN06	151			0.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-331	B2-MTM - machining/inspection	18JUL06	75	31OCT06	134			0.00	154,910.00	48=155 ;											
MCWF-341	B2-Receive at PPPL		0	02NOV06	134			0.00	0.00	▼											
MCWF-471	B3-MTK-casting	23MAR06*	75	07JUL06	202			0.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-481	B3-MTM - machining/inspection	16AUG06	70	22NOV06	175			0.00	154,910.00	48=155 ;											
MCWF-491	B3-Receive at PPPL		0	28NOV06	175			0.00	0.00	▼											
MCWF-501	B4-MTK-casting	01MAY06*	75	15AUG06	192			0.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											
MCWF-511	B4-MTM - machining/inspection	15SEP06	70	02JAN07	171			0.00	154,910.00	48=155 ;											
MCWF-521	B4-Receive at PPPL		0	04JAN07	171			0.00	0.00	▼											
MCWF-531	B5-MTK-casting	01JUN06*	75	15SEP06	204			0.00	142,920.00	48=141 ;+2.11k heat treatment ecp34											

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 ECP-38 baseline
   
 Progress Bar
   
 Critical Activity

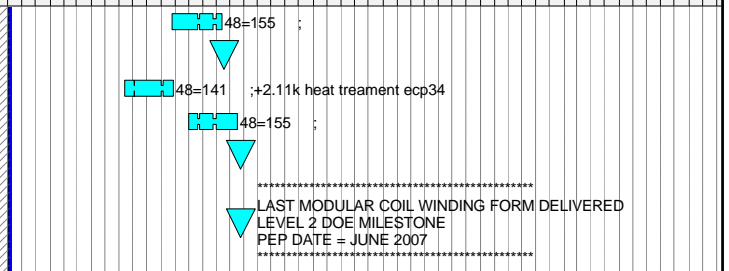
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ECP-39 Baseline

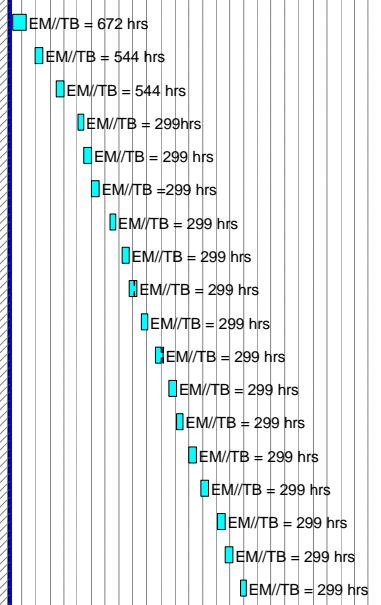
Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year				
										FY06	FY07	FY08	FY09	FY10
MCWF-541	B5-MTM - machining/inspection	27SEP06	70	12JAN07	197			0.00	154,910.00					
MCWF-551	B5-Receive at PPPL		0	17JAN07	197			0.00	0.00					
MCWF-561	B6-MTK-casting	15JUN06*	75	29SEP06	253			0.00	142,920.00					
MCWF-571	B6-MTM - machining/inspection	01NOV06	70	16FEB07	231			0.00	154,910.00					
MCWF-581	B6-Receive at PPPL		0	21FEB07	231			0.00	0.00					
C-501B1	Last MCWF Delivered		0	21FEB07	231			0.00	0.00					
FY05CV-23	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				275,000.00	275,000.00					



**Job: 1451 - Mod Coil Winding-CHRZANOWSKI**

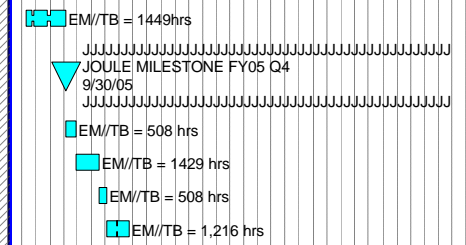
**Station 1 Prep casing & Install Cladding**

C1RW	C1 rework	03OCT05	5	07OCT05	131	1	7	1,348.27	45,808.88
1451TRAIN	Training for winding teams	25JUL05A	3	29JUL05A				0.00	0.00
P1-001	Rec C1, Prep& Instl Cladding>>@125% 1 shift	10OCT05	23	09NOV05	131	1	7	3,668.18	52,402.56
P1-091	Receive C2, Prep& Instl Cladding	30NOV05	11	14DEC05	145	2		0.00	44,303.36
P2-091	Receive C3, Prep& Instl Cladding	16JAN06	11	30JAN06	152	2		0.00	44,303.36
P3-091	Receive C4, Prep& Instl Cladding	02MAR06	11	16MAR06	146	2		0.00	24,350.56
P1-121	Receive C5, Prep& Instl Cladding	17MAR06	11	31MAR06	155	2		0.00	24,350.56
P2-031	Receive C6, Prep& Instl Cladding	03APR06	11	17APR06	160	2		0.00	24,350.56
P2-001	Receive A1, Prep& Instl Cladding	11MAY06	11	25MAY06	143	2		0.00	24,350.56
P3-001	Receive A2, Prep& Instl Cladding	09JUN06	11	23JUN06	143	2		0.00	24,350.56
P3-031	Receive A3, Prep& Instl Cladding	26JUN06	11	11JUL06	159	2		0.00	24,350.56
P1-031	Receive B1, Prep& Instl Cladding	20JUL06	11	03AUG06	162	2		0.00	24,350.56
P3-121	Receive A4, Prep& Instl Cladding	21AUG06	11	05SEP06	154	2		0.00	24,350.56
P1-061	Receive A5, Prep& Instl Cladding	20SEP06	11	04OCT06	144	2		0.00	24,654.94
P1-151	Receive A6, Prep& Instl Cladding	05OCT06	11	19OCT06	144	2		0.00	24,882.78
P2-121	Receive B2, Prep& Instl Cladding	03NOV06	11	17NOV06	134	2		0.00	24,882.78
P2-061	Receive B3, Prep& Instl Cladding	29NOV06	11	13DEC06	175	2		0.00	24,882.78
P2-151	Receive B4, Prep& Instl Cladding	05JAN07	11	19JAN07	171	2		0.00	24,882.78
P3-061	Receive B5, Prep& Instl Cladding	22JAN07	11	05FEB07	195	2		0.00	24,882.78
P3-151	Receive B6, Prep& Instl Cladding	22FEB07	11	08MAR07	231	2		0.00	24,882.78
P1-000	ECP36 holes for cooling lines included in above	03NOV05*	1	03NOV05	986			0.00	0.00



**Station 2-Winding, Instl Chill Plates,Tubing,Bag**

P1-011	Wind coil C1>>@150%	10NOV05	53	02FEB06	131	2		0.00	118,006.56
P1-011J	Complete Winding First Modular Coil		0	02FEB06	131	2		0.00	0.00
P1-020	Instl Chill Plates,Tubing, Bag C1>>@150%	03FEB06	18	28FEB06	131	2		0.00	41,371.52
P2-101	Wind coil C-3	01MAR06	35	18APR06	131	2		0.00	116,377.76
P2-110	Instl Chill Plates,Tubing,Bag C3	19APR06	12	04MAY06	131	2		0.00	41,371.52
P1-131	Wind coil C5	05MAY06	35	23JUN06	131	2		0.00	99,031.04



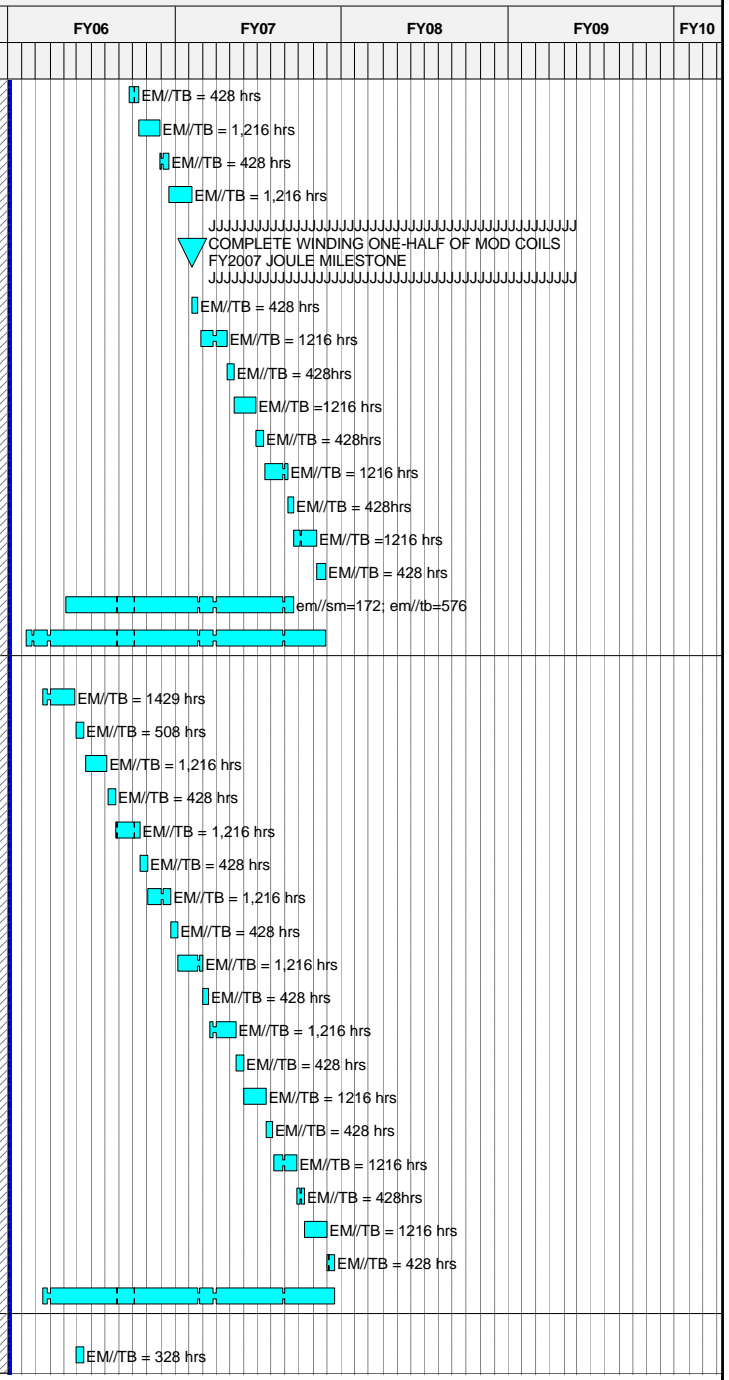
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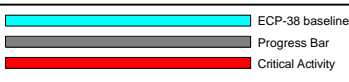
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**ECP-39 Baseline**

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year				
										FY06	FY07	FY08	FY09	FY10
P1-140	Instl Chl Plates,Tubing, Bag C5	26JUN06	12	12JUL06	131	2		0.00	34,856.32					
P3-011	Wind coil A2	13JUL06	35	30AUG06	131	2		0.00	99,031.04					
P3-020	Instl Chill Plates,Tubing, Bag A2	31AUG06	12	18SEP06	131	2		0.00	34,856.32					
P1-041	Wind coil B1	19SEP06	35	06NOV06	131	2		0.00	100,638.94					
P2-041	JOULE FY07 Cmplt winding one-half modular coils		0	06NOV06	131	2		0.00	0.00					
P1-050	Instl Chl Plates,Tubing, Bag B1	07NOV06	12	22NOV06	131	2		0.00	35,618.16					
P1-071	Wind coil B2	27NOV06	35	22JAN07	131	2		0.00	101,195.52					
P1-080	Instl Chl Plates,Tubing,Bag B2	23JAN07	12	07FEB07	131	2		0.00	35,618.16					
P2-071	Wind coil B3	08FEB07	35	28MAR07	141	2		0.00	101,195.52					
P2-080	Instl Chill Plates,Tubing,Bag B3	29MAR07	12	13APR07	141	2		0.00	35,618.16					
P3-071	Wind coil B5	16APR07	35	04JUN07	146	2		0.00	101,195.52					
P3-080	Instl Chill Plates,Tubing,Bag B5	05JUN07	12	20JUN07	146	2		0.00	35,618.16					
P1-161	Wind coil A6	21JUN07	35	09AUG07	146	2		0.00	101,195.52					
P1-170	Instl Chill Plates,Tubing,Bag A6	10AUG07	12	27AUG07	146	2		0.00	35,618.16					
174-037	Modular Coil local I&C -Install (from wbs 143)	03FEB06	348*	20JUN07	147			0.00	69,734.93					
SSD-ST2	Second shift cost differential	10NOV05	449*	27AUG07	146			0.00	32,000.00					
<b>Station 3-Winding, Instl Chill Plates,Tubing,Bag</b>														
P1-101	Wind coil C-2>>@125%	15DEC05	46	24FEB06	145	2		0.00	116,377.76					
P1-110	Instl Chill Plates,Tubing,Bag C2>>@125%	27FEB06	15	17MAR06	145	2		0.00	41,371.52					
P3-101	Wind coil C4	20MAR06	35	05MAY06	145	2		0.00	99,031.04					
P3-110	Instl Chill Plates,Tubing, Bag C4	08MAY06	12	23MAY06	145	2		0.00	34,856.32					
P2-011	Wind coil A1	26MAY06	35	17JUL06	143	2		0.00	99,031.04					
P2-020	Instl Chill Plates,Tubing, Bag A1	18JUL06	12	02AUG06	143	2		0.00	34,856.32					
P3-041	Wind coil A3	03AUG06	35	21SEP06	143	2		0.00	99,031.04					
P3-050	Instl Chl Plates,Tubing, Bag A3	22SEP06	12	09OCT06	143	2		0.00	35,237.24					
P3-131	Wind coil A4	10OCT06	35	29NOV06	143	2		0.00	101,195.52					
P3-140	Instl Chl Plates,Tubing, Bag A4	30NOV06	12	15DEC06	143	2		0.00	35,618.16					
P2-131	Wind coil A5	18DEC06	35	12FEB07	143	2		0.00	101,195.52					
P2-140	Instl Chl Plates,Tubing, Bag A5	13FEB07	12	28FEB07	143	2		0.00	35,618.16					
P2-161	Wind coil B4	01MAR07	35	18APR07	143	2		0.00	101,195.52					
P2-170	Instl Chill Plates,Tubing,Bag B4	19APR07	12	04MAY07	143	2		0.00	35,618.16					
P2-041	Wind coil C6	07MAY07	35	25JUN07	143	2		0.00	101,195.52					
P2-050	Instl Chl Plates,Tubing, Bag C6	26JUN07	12	12JUL07	143	2		0.00	35,618.16					
P3-161	Wind coil B6	13JUL07	35	30AUG07	143	2		0.00	101,195.52					
P3-170	Instl Chill Plates,Tubing,Bag B6	31AUG07	12	18SEP07	143	2		0.00	35,618.16					
SSD-ST3	Second shift cost differential	15DEC05	442*	18SEP07	142			0.00	32,000.00					
<b>Station 5-VPI</b>														
P1-021V	VPI (Station 5) C1	01MAR06	12	16MAR06	229			0.00	26,712.32					



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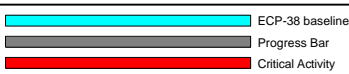


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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year				
										FY06	FY07	FY08	FY09	FY10
P1-111V	VPI (Station 5) C2	20MAR06	12	04APR06	228			0.00	26,712.32					
P2-111V	VPI (Station 5) C3	05MAY06	12	22MAY06	206			0.00	26,712.32					
P3-111V	VPI (Station 5) C4	24MAY06	12	09JUN06	205			0.00	26,712.32					
P1-141V	VPI (Station 5) C5	13JUL06	12	28JUL06	183			0.00	26,712.32					
P2-021V	VPI (Station 5) A1	03AUG06	12	18AUG06	180			0.00	26,712.32					
P3-021V	VPI (Station 5) A2	19SEP06	12	04OCT06	160			0.00	26,858.28					
P3-051V	VPI (Station 5) A3	10OCT06	12	25OCT06	157			0.00	27,296.16					
P1-051V	VPI (Station 5) B1	27NOV06	12	12DEC06	137			0.00	27,296.16					
P3-141V	VPI (Station 5) A4	18DEC06	12	10JAN07	151			0.00	27,296.16					
P1-081V	VPI (Station 5) A5	01MAR07	12	16MAR07	161			0.00	27,296.16					
P2-141V	VPI (Station 5) B2	08FEB07	12	23FEB07	131			0.00	27,296.16					
P2-081V	VPI (Station 5) B3	16APR07	12	01MAY07	141			0.00	23,218.38					
P3-081V	VPI (Station 5) B4	07MAY07	12	22MAY07	154			0.00	23,218.38					
P2-171V	VPI (Station 5) B5	21JUN07	12	09JUL07	169			0.00	23,218.38					
P2-051V	VPI (Station 5) C6	13JUL07	12	30JUL07	166			0.00	23,218.38					
P1-171V	VPI (Station 5) A6	28AUG07	12	13SEP07	146			0.00	23,218.38					
P3-171V	VPI (Station 5) B6	19SEP07	12	04OCT07	143			0.00	23,426.70					
<b>Station 1B Final Clamp Installation</b>														
P1-021C	Final Clamps & Warm Test (Station1) C1	17MAR06	9	29MAR06	253			0.00	12,378.88					
P1-111C	Final Clamps & Warm Test (Station1) C2	05APR06	9	17APR06	249			0.00	12,378.88					
P2-111C	Final Clamps & Warm Test (Station1) C3	23MAY06	9	05JUN06	224			0.00	12,378.88					
P3-111C	Final Clamps & Warm Test (Station1) C4	19JUN06	9	29JUN06	215			0.00	9,772.80					
P1-141C	Final Clamps & Warm Test (Station1) C5	01AUG06	9	11AUG06	194			0.00	9,772.80					
P2-021C	Final Clamps & Warm Test (Station1) A1	21AUG06	9	31AUG06	189			0.00	9,772.80					
P3-021C	Final Clamps & Warm Test (Station1) A2	05OCT06	9	17OCT06	166			0.00	9,986.40					
P3-051C	Final Clamps & Warm Test (Station1) A3	26OCT06	9	07NOV06	160			0.00	9,986.40					
P1-051C	Final Clamps & Warm Test (Station1) B1	13DEC06	9	02JAN07	137			0.00	9,986.40					
P3-141C	Final Clamps & Warm Test (Station1) A4	11JAN07	9	23JAN07	154			0.00	9,986.40					
P1-081C	Final Clamps & Warm Test (Station1) A5	19MAR07	9	29MAR07	164			0.00	9,986.40					
P2-141C	Final Clamps & Warm Test (Station1) B2	26FEB07	9	08MAR07	131			0.00	9,986.40					
P2-081C	Final Clamps & Warm Test (Station1) B3	02MAY07	9	14MAY07	141			0.00	9,986.40					
P3-081C	Final Clamps & Warm Test (Station1) B4	23MAY07	9	05JUN07	154			0.00	9,986.40					
P3-171C	Final Clamps & Warm Test (Station1) B5	10JUL07	9	20JUL07	178			0.00	9,986.40					
P2-051C	Final Clamps & Warm Test (Station1) C6	31JUL07	9	10AUG07	172			0.00	9,986.40					
P1-171C	Final Clamps & Warm Test (Station1) A6	14SEP07	9	26SEP07	149			0.00	9,986.40					
P2-171C	Final Clamps & Warm Test (Station1) B6	05OCT07	9	17OCT07	143			0.00	10,255.20					
<b>LOE Oversight &amp; Supervision</b>														
171-000	Winding Preparations (LOE) FY05	01AUG05A	49*	30SEP05A				53,382.29	53,382.29					
171-040	Winding Oversight (LOE)	10OCT05	506*	17OCT07	143			0.00	656,707.24					



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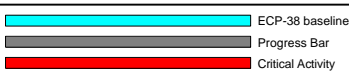
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ECP-39 Baseline

EA/EM Chrzanowski @ 70%=2672  
EA/EM Raftopolbus @40%=1356

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
171-041	Tech Supervision	10OCT05	506*	17OCT07	143			0.00	307,678.97	EM//SM (Meighan) @ 70%=2371					
TITLE3W	Titel III Design ORNL- Component Fab & WINDING	03OCT05*	517*	25OCT07	493			0.00	196,084.05	WILLIAMSON=908 (20%) ornl travel=\$24k					
FY05CV-25	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				81,000.00	81,000.00						
<b>Job: 1414 Coil Testing-Gettelfinger</b>															
<b>Twisted Racetrack Hardware Fabrication</b>															
1409-141	Modify Cryostat for TRC	01APR05A	107*	31AUG05A			100	11,923.20	11,923.20	em//tb=160					
1406-020	Begin Testing of Twisted RT in Coil test Stand	31AUG05A	0				100	0.00	0.00						
1406-021	Test Coil	10AUG05A	37*	30SEP05A			100	30,844.24	30,844.24	em//tb=128; ee//tb=56; Hatcher=40; Gettelfinger=40; Gernhardt=40					
1406-023	Hi-pot & Dissect Coil	03OCT05*	21*	31OCT05	989			0.00	26,060.80	kearns=40,house=40 em//tb=240					
<b>Production Modular Coils</b>															
1409-130	Production Cryostat Design	26SEP05A	26*	31OCT05	402	50		3,419.86	6,839.71	Gettelfinger =40					
1409-135	Production Cryostat Fabr & Install	03JAN06*	22	01FEB06	365			0.00	35,291.60	41=\$10k; em//tb=265					
1409-136	Valve/pump repairs&safety mods to cryo pp sys	03JAN06*	21	31JAN06	366			0.00	23,871.20	41=3;em//tb=200;em//em=20					
1409-199	Closed Loop Facility Available for Production MC		0	01FEB06	365			0.00	0.00						
P1-021	Test Coil (Coil Test Stand) C1	30MAR06	7	07APR06	325			0.00	30,321.24	EM/TB=176,EE/TB=72,EE/SM=20,EE/EM=16,EM/EM=28.					
P1-021.1	Complete First Mod Coil Fabrication C1		0	07APR06	325			0.00	0.00	COMPLETE FIRST MODULAR COIL FABRICATION DOE LEVEL 2 MILESTONE PEP DATE = MARCH 2006					
P2-021	Test Coil (Coil Test Stand) A1	01SEP06	7	12SEP06	216			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	03JAN07	7	11JAN07	137			0.00	18,967.19	EM/TB=176,EE/TB=72,EE/SM=20,EE/EM=16,EM/EM=28.					
FY05CV-19	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				88,000.00	88,000.00						
<b>Job: 1421-Mod Coil Interface Hardware-WILLIAMSON</b>															
<b>Coil-to-coil Interface Design</b>															
1403-11.1	Compl assembly / interface drawings for ICDs	01NOV04A	251*	31OCT05	994	80		24,983.40	31,229.25	Hargrove,Lovett=80 williamson=40					
1403-16	Assembly bolts, nuts,washers	01OCT04A	437*	30JUN06	158	60		8,491.88	14,153.14	ornl=80+8 hrs					
1403-17	Assembly shims	01OCT04A	437*	30JUN06	158	60		12,351.83	20,586.38	ornl=80+48=128					
1403-18	Eccentric ball assembly	08NOV04A	411*	30JUN06	829	60		8,124.48	27,081.60	ornl=80+88=168					
1403-19	Top assembly dwgs for mod coil shell	01OCT04A	437*	30JUN06	829	60		11,425.44	30,879.58	ornl=120+72=192					
1403-19A	Bladder Details	01JUL05A	251*	30JUN06	158	20		2,246.07	22,460.70	ornl=80+56=136					
1403-20	3 coil assembly specification	01AUG06*	40	25SEP06	208			0.00	26,992.00	ornl=160					
1421-100	Submet Requisition for - Assy bolts,nuts,washers	24JUL06*	10	04AUG06	144			0.00	2,699.20	williamson=16 hrs					
1421-105	Procurement lead time for-Assy bolts,nuts,washer	07AUG06	40	29SEP06	144			0.00	0.00						
1421-110	Deliver - Assy bolts,nuts,washers	02OCT06	60	03JAN07	144			0.00	449,000.00	m&s=\$449k					
1421-200	Submet Requisition for - Assembly shims	24JUL06*	10	04AUG06	144			0.00	2,699.20	williamson=16 hrs					
1421-205	Procurement lead time for - Assembly shims	07AUG06	40	29SEP06	144			0.00	0.00						
1421-210	Deliver - Assembly shims	02OCT06	60	03JAN07	144			0.00	138,000.00	m&s=\$138k					
1421-400	Submet Requisition for - Bladders	24JUL06*	10	04AUG06	144			0.00	2,699.20	williamson=16 hrs					

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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
1421-405	Procurement lead time for - Bladders	07AUG06	40	29SEP06	144			0.00	0.00						
1421-410	Deliver - Bladders	02OCT06	60	03JAN07	144			0.00	60,000.00						

**15 - Structures**

**Job: 1501 - Structures Design- Kalish**

PDR/PBR Task List									
1501-105	Project PDR	07OCT03A	1	07OCT03A			100	0.00	0.00
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A			100	12,360.00	12,360.00
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A			100	6,180.00	6,180.00
1501-117	Performance baseline review		0	18NOV03A			100	0.00	0.00
Reqmnts, Configuration, Interfaces and PDR									
1501-125	Update drawings & models based on vendor	21OCT03A	30	26NOV03A			100	10,660.50	10,660.50
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	30SEP04A			LOE	5,407.50	5,407.50
1501-FY05	Prelim Design Structures	01JUL05A	110*	03APR06	161	37*		45,206.33	85,922.42
1501-PDR	Structures PDR		0	03APR06	161			0.00	0.00
1501-FD	Final Design Structures	04APR06	63*	30JUN06	161			0.00	88,596.54
1501-FDR	Structures FDR		0	30JUN06	161			0.00	0.00
FY05CV-26	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-1,000.00	-1,000.00

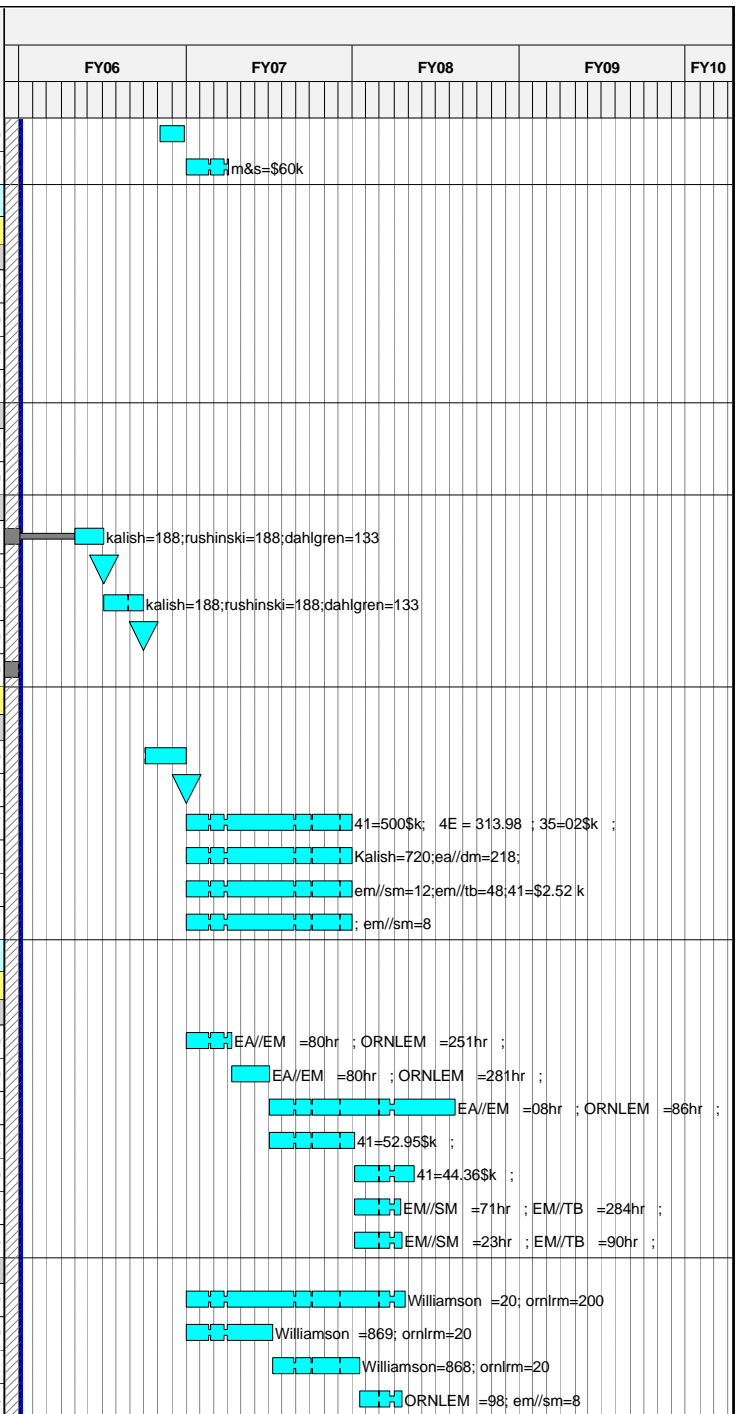
**Job: 1550 - Structures Procurement -KALISH**

1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	03JUL06	65	02OCT06	161			0.00	0.00
162-036.9	Award Coil Support Assy		0	02OCT06*	161			0.00	0.00
162-037	WBS 151Coil Support Assy Procurement [A/1]	03OCT06	249	01OCT07	161			0.00	1,013,788.47
162-031	Title III engr WBS 151	03OCT06	249	01OCT07	511			0.00	153,878.32
153.037	WBS 153 Support Structure I&C Procurement/Fab	03OCT06*	249	01OCT07	511			0.00	9,022.42
153.015	Title III design WBS 153 local&C	03OCT06*	249	01OCT07	511			0.00	1,048.11

**16 - Coil Services**

**Job: 1601 - Coil Services Design-WILLIAMSON**

161 - LN2 Distribution									
191-001	Title I design WBS 161 LN2 manifolds&piping	02OCT06*	65	10JAN07	306			0.00	57,375.70
191-011	Title II design WBS 161 LN2 manifolds&piping	11JAN07	60	04APR07	306			0.00	114,923.30
191-031	Title III engr WBS 161	05APR07	280	15MAY08	356			0.00	16,567.82
191-037	Procurement WBS 161	05APR07	130	08OCT07	306			0.00	72,677.54
191-038	PDR#17	09OCT07*	86	15FEB08	420			0.00	62,325.80
191-041	LN2 Manifolds & ppg Fab/assy/instrl WBS 161	09OCT07*	62	14JAN08	306			0.00	33,821.56
191-042	PDR #17,25,3	09OCT07*	65	17JAN08	441			0.00	10,785.36
162 - Electrical Leads									
132-000	PDR #17 & 25	02OCT06	325	24JAN08	436			0.00	41,396.19
132-001	Title I design WBS 162 Coil leads	02OCT06*	130	11APR07	303			0.00	153,159.10
132-011	Title II design WBS 162 Coil leads	12APR07	130	15OCT07	303			0.00	153,686.42
132-015	Title III design WBS 162 Coil leads	16OCT07*	60	17JAN08	441			0.00	18,618.16



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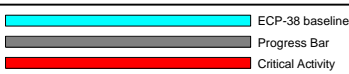
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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Schedule					
										FY06	FY07	FY08	FY09	FY10	
132-037	Coil Leads Procurement WBS 162	16OCT07*	60	17JAN08	303			0.00	314,186.10						
<b>163 - Coil Protection System</b>															
163.001	Title I design WBS 163 Coil protection	02OCT06*	65	10JAN07	656			0.00	42,744.60						
163.011	Title II design WBS 163 Coil protection	11JAN07	40	07MAR07	656			0.00	42,744.60						
<b>17 - Cryostat and Base Support Structure</b>															
<b>Job:1701-Cryost&amp;Base Sprt Strct Dsn-GETTLEFINGER</b>															
<b>Prior Costs</b>															
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A			100	12,180.00	12,180.00						
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A			100	6,000.00	6,000.00						
151-001	Title I design WBS 171 cryostat	01APR04A	270*	29APR05A			100	125,850.61	125,850.61						
151-002	Cryostat PDR		0	29APR05A			100	0.00	0.00						
161-001	Title I design WBS 172 base support struct	01APR04A	395*	26OCT05	504		90	44,979.23	49,976.92						
151-003	Base Support Struct PDR		0	26OCT05*	504			0.00	0.00						
161-011	Final Design Base Support Structure WBS 172	02OCT06*	45	05DEC06	273			0.00	66,050.80						
172-199	Base Support Structure FDR		0	05DEC06	273			0.00	0.00						
151-011	Final Design Cryostat WBS 171	25JUL05A	231*	22JUN07	175	2		4,754.00	237,699.79						
171-199	Cryostat FDR		0	22JUN07	175			0.00	0.00						
FY05CV-27	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				178,000.00	178,000.00						
<b>Job: 1751 - Cryostat Procurement</b>															
<b>171 - Cryostat</b>															
151-031	Title III engr	25JUN07	405	28JAN09	175			0.00	33,260.63						
151-036.8	Prep Spec, Solicit bids, and Select Vendor	25JUN07	65	25SEP07	175			0.00	0.00						
151-036.9	Award Cryostat Procurement		0	01OCT07*	242			0.00	0.00						
151-037	Cryostat Procurement [A/1]	02OCT07	141	25APR08	242			0.00	507,236.35						
<b>Job: 1752 - Base Support Structure Procurement</b>															
<b>172 - Base Support Structure</b>															
161-031	Title III engr WBS 172	06FEB07	240	22JAN08	438			0.00	10,726.43						
161-036.8	Prep Spec, Solicit bids, and Select Vendor	06FEB07*	65	07MAY07	235			0.00	0.00						
161-036.9	Award Machine Base&supports Procurement		0	07MAY07	235			0.00	0.00						
161-037	Machine Base&supports Procurement [A/1]	08MAY07	90	13SEP07	235			0.00	300,678.83						
<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			100	7,750.00	7,750.00						
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A			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			LOE	61,119.60	61,119.60						
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A			LOE	25,920.40	25,920.40						
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04A	249*	30SEP05A			LOE	136,539.00	136,539.00						
181.222	HP Coverage in the TFTR TC LOE FY06	03OCT05*	250*	02OCT06	760			0.00	147,328.84						

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year				
										FY06	FY07	FY08	FY09	FY10
181.220	HP Coverage in the TFTR TC LOE FY07	02OCT06*	250*	01OCT07	511			0.00	150,543.22					
181.221	HP Coverage in the TFTR TC LOE FY08	01OCT07*	251*	30SEP08	261			0.00	154,583.00					
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A				77,518.74	77,518.74					
181.110	PPPL EM LOE FY05	01OCT04A	249*	30SEP05A				9,625.20	9,625.20					
181.120	PPPL EM LOE FY06	01DEC05*	209*	02OCT06	760			0.00	204,416.14					
181.2A	Procedure for VV prep	03OCT05*	15	21OCT05	355			0.00	0.00					
181.2B	Procedure for MC HP subassy	01AUG06*	15	21AUG06	231			0.00	0.00					
181.2C	Procedure for MC instl on VV	01SEP06*	15	22SEP06	258			0.00	0.00					
181.2D	Procedure for TF HP sub assy	02OCT06*	15	20OCT06	277			0.00	0.00					
181.2E	Procedure for Final FP assy	02JAN07*	15	22JAN07	211			0.00	0.00					
181.121	PPPL EM LOE FY07	02OCT06*	249*	28SEP07	512			0.00	260,099.10					
181.122	PPPL EM LOE FY08	01OCT07*	187*	30JUN08	325			0.00	200,288.00					
FY05CV-28	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				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			100	16,056.00	16,056.00					
1803-1.02	VV Support Fixture - model design& drawing detai	01FEB05A	73	31MAY05A			100	13,604.00	13,604.00					
1803-1.04	Metrology -sightline layout metrology support	13APR05A	18	31MAY05A			100	25,502.00	25,502.00					
1803-1.05	Structural / Seismic Analysis check	01FEB05A	86*	31MAY05A			100	13,220.00	13,220.00					
1803-1.06	Design review PDR VV Prep Station	01AUG05A	0*	10AUG05A			100	1,983.00	1,983.00					
1803-1.09	Safety Review documentation / presentation	02SEP05A	10	15SEP05A			100	2,644.00	2,644.00					
1803-1.061	Design review FDR VV Prep Station	16SEP05A	2	19SEP05A			100	1,983.00	1,983.00					
1803-1.07	Design check and sign-off	20SEP05A	14*	07OCT05	325		90	3,116.52	3,462.80					
1803-1.10	Fab / Design Review - follow-up activities	20SEP05A	14*	07OCT05	346		99	6,670.62	6,738.00					
1803-1.08	Prep & Issue dwgs,and requisition	10OCT05*	21*	07NOV05	325			0.00	0.00					
1803-1.12	PPPL FAB - VV support Fixture (1)	08NOV05	20	05DEC05	342			0.00	23,307.00					
<b>2.00-Half Period Assembly</b>														
1803-2.01	Concept definition and requirements	03JAN05A	52*	28FEB05A			100	16,056.00	16,056.00					
1803-2.02	MC Holding Fixture - model design and drawing	01FEB05A	79*	29APR05A			100	21,728.00	21,728.00					
1803-2.04	Metrology - sightline layout design details metr	01AUG05A	77*	30SEP05A			100	15,209.60	15,209.60					
1803-2.05	Structural / Seismic Analysis check	24OCT05*	21*	21NOV05	286			0.00	13,924.80					
1803-2.06	PDR Half Period Assy	07DEC05*	1	07DEC05	280			0.00	0.00					
1803-2.061	FDR Half Period Assy	22NOV05	24*	04JAN06	286			0.00	0.00					
1803-2.08A	Prep & Issue Spec,dwgs,and requisition	05JAN06	3	09JAN06	286			0.00	0.00					
1803-2.08	Procurement Lead Time and Award	10JAN06	40	06MAR06	286			0.00	0.00					
1803-2.11	Fab MC HP Assy Fixtures (1)	07MAR06	65	06JUN06	286			0.00	31,889.46					
<b>3.00-MC Installation</b>														
1803-3.01	Concept definition and requirements	25OCT04A	5	29OCT04A			100	6,610.00	6,610.00					
1803-3.02	MC Turning Fixture and base - model design and d	15NOV04A	48*	31JAN05A			100	1,983.00	1,983.00					

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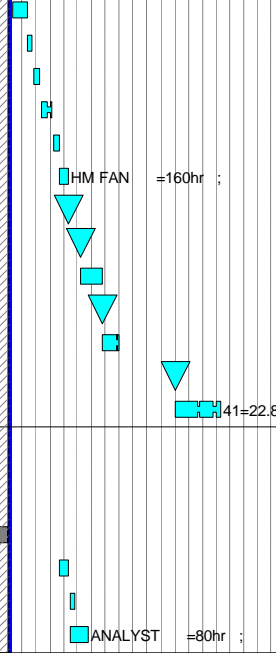
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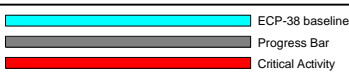
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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
1803-3.03	MC Gantry Crane - model design and drawing detail	29NOV04A	40*	31JAN05A			100	14,265.00	14,265.00						
1803-3.04	VV support stand - model design and drawing detail	29NOV04A	104*	29APR05A			100	8,849.00	8,849.00						
1803-3.05	Platform - design and drawing details	01FEB05A	7	29APR05A			100	9,179.50	9,179.50						
1803-3.084	Industry Info Meeting	21FEB05A	1	21FEB05A			100	0.00	0.00						
<b>3.10 MC Turning Fixture-Industry Option</b>															
1803-3.10A	Issue dwgs	02MAY05A	30	31MAY05A			100	20,243.80	20,243.80						
1803-3.10A	Issue RFP		0	31MAY05A			100	0.00	0.00						
1803-3.10C	Proposals Due		0	17JUN05A			100	0.00	0.00						
1803-3.14	DECISION ON APPROACH		0	31AUG05A			100	0.00	0.00						
<b>3.20 MC Turning Fixture-Crane Option</b>															
1803-3.30	Develop Crane Design Option	01MAY05A	6*	31MAY05A			100	0.00	0.00						
1803-3.33	Design Equivalent Test Simulation Model	16MAY05A	33*	17JUN05A			100	6,416.80	6,416.80						
1803-3.36	Design Test Track	20JUN05A	7	24JUN05A			100	6,416.80	6,416.80						
1803-3.39	Fab Test Track	27JUN05A	24*	29JUL05A			100	56,326.60	56,326.60						
1803-3.40	Site Prep	27JUN05A	5	30JUN05A			100	0.00	0.00						
1803-3.43	Assembly of Test Article	29JUL05A	5	29JUL05A			100	11,923.20	11,923.20						
1803-3.46	Metrology set-up	29JUL05A	5	29JUL05A			100	0.00	0.00						
1803-3.49	Run Test	29JUL05A	3	29JUL05A			100	11,004.00	11,004.00						
1803-3.50	Test Evaluation and Write up	31AUG05A	0*	31AUG05A			100	2,566.72	2,566.72						
1803-3.52	DECISION ON APPROACH		0	31AUG05A				0.00	0.00						
1803-3.15	MC Crane load support sys	10OCT05*	25*	11NOV05	293			0.00	0.00						
1803-3.60	Laser Screen Guide Mods	14NOV05*	8*	23NOV05	293			0.00	0.00						
1803-3.62	VV support stand and misc fixtures	28NOV05*	10*	09DEC05	293			0.00	0.00						
1803-3.64	Platform for flange bolting	12DEC05*	14*	06JAN06	293			0.00	0.00						
1803-3.66	Metrology layout	09JAN06*	10*	20JAN06	293			0.00	0.00						
1803-3.07	Seismic Analysis check	23JAN06*	15*	10FEB06	293			0.00	27,849.60						
1803-3.15B	PDR Turning fixture & Base		0	10FEB06*	293			0.00	0.00						
1803-3.15E	FDR Turning fixture & Base		0	08MAR06*	275			0.00	0.00						
1803-3.07A	Prep Procurement Pkg	09MAR06*	35	26APR06	275			0.00	0.00						
1803-3.08A	Issue RFP		0	26APR06	275			0.00	0.00						
1803-3.08B	Recieve & Evaluate Bids	27APR06	25	01JUN06	275			0.00	0.00						
1803-3.15D	Award Fabrication Contract		0	02OCT06*	189			0.00	0.00						
1803-3.15C	Fab Crane Support & Laser screens	03OCT06*	65	11JAN07	189			0.00	31,258.80						
<b>4.00-TF HP Assembly</b>															
1803-4.01	Concept definition and requirements	01MAR05A	5	28MAR05A			100	10,704.00	10,704.00						
1803-4.03	TF HP support turning fixture - model design d	01APR05A	15	30JUN05A			100	14,265.00	14,265.00						
1803-5.002	TF Rotation Fixture plus dwgs start	02MAY05A	129*	30SEP05A			100	32,592.00	32,592.00						
1803-4.06	TF Rotation Fixture plus dwgs complete	23JAN06*	15*	10FEB06	351			0.00	0.00						
1803-4.06A	Metrology layout	13FEB06*	10*	24FEB06	370			0.00	0.00						
1803-4.07	Structural / Seismic Analysis check	13FEB06*	30*	24MAR06	351			0.00	13,924.80						



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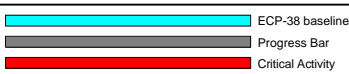


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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
1803-4.08	PDR Final FP Assy	28FEB06	1	28FEB06*	369			0.00	0.00						
1803-4.081	FDR Final FP Assy	11APR06	1	11APR06*	340			0.00	0.00						
1803-4.10A	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	09OCT06*	10	20OCT06	214			0.00	0.00						
1803-4.13	FAB-TF Support Stands (1)	23OCT06	65	31JAN07	214			0.00	13,230.15						
<b>5.00-Final FP Assembly</b>															
1803-4.02	MC Support Stand - model design and drawing deta	01APR05A	89*	31MAY05A			100	14,265.00	14,265.00						
1803-5.001	Concept definition and requirements	02MAY05A	10	31MAY05A			100	10,704.00	10,704.00						
1803-4.04	FP Assembly platform - model design drawing det	01AUG05A	65*	30SEP05A			100	21,397.50	21,397.50						
1803-5.003	MC support stand	06MAR06*	25*	07APR06	261			0.00	0.00						
1803-5.004	Structural Analysis	17MAY06*	8*	26MAY06	254			0.00	13,924.80						
1803-5.005	PDR	30MAY06	5	05JUN06*	254			0.00	0.00						
1803-5.006	FDR	05JUL06	5	11JUL06*	234			0.00	0.00						
1803-5.007	Pre & Issue Specs and Dwgs	12JUL06	5	18JUL06	234			0.00	0.00						
1803-5.008	Procurement Lead Time	19JUL06	40	12SEP06	234			0.00	0.00						
1803-5.009	Fabricate	02OCT06*	65	10JAN07	221			0.00	52,714.95						
1803-5.100	FP Assy Platform	10APR06*	20*	05MAY06	261			0.00	0.00						
1803-5.200	Metrology layout/support stand dwgs	08MAY06*	5*	12MAY06	264			0.00	0.00						
<b>6.00-Interface/Test Activities</b>															
1803-5.01	Finalize TFTR test cell FPA assembly layout draw	01JUN05A	42*	29JUL05A			100	9,066.40	9,066.40						
1803-5.03	Design MC assy test components	01JUN05A	25*	30JUN05A			100	32,112.00	32,112.00						
1803-5.04	Fab - Test Articles	01JUL05A	65*	30SEP05A			100	19,215.00	19,215.00						
1803-5.02A	Generate as built spherical seat dwg	04NOV05*	8*	15NOV05	422			0.00	0.00						
1803-5.05	Run test/metrology measurements	01NOV05*	26*	08DEC05	968			0.00	0.00						
1803-5.02	TFTR Test Cell FPA arrgmt dwg	05JUN06*	15*	23JUN06	834			0.00	0.00						
<b>7.00-Oversight</b>															
1803-7.01	Meetings Prep and Reporting	01NOV04A	230*	30SEP05A			LOE	114,037.05	114,037.05						
1803-7.02	Develop and maintain concept definition document	01NOV04A	230*	30SEP05A			LOE	9,915.00	9,915.00						
1803-7.03	Develop and maintain assembly plan document	01NOV04A	349*	30SEP05A			LOE	9,254.00	9,254.00						
1803-7.04	Mike Cole's FY05 on-site involvement in assembly	01NOV04A	230*	30SEP05A			LOE	24,800.00	24,800.00						
1803-7.10	Tom Brown Engineering	03OCT05*	250*	29SEP06	765			0.00	189,377.28						
1803-7.20	Design Activity	03OCT05*	250*	29SEP06	765			0.00	149,999.85						
<b>Tooling Design &amp; Fabrication</b>															
713A.040	General procurements	02OCT06*	498	26SEP08	263			0.00	10,410.00						
713A.050	Welding tools, materials & equip	02OCT06*	498	26SEP08	263			0.00	10,410.00						
713A.060	Instl He gas piping from NSTX to D-site to NOT R	02OCT06*	65	10JAN07	270			0.00	0.00						
FY05CV-29	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-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			LOE	26,000.00	26,000.00						

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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year				
										FY06	FY07	FY08	FY09	FY10
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A				0.00	0.00					
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A				0.00	0.00					
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10*	30APR04A			100	171,990.00	171,990.00					
740.030A	Romer Arm Training	06JUL04A	3*	08JUL04A			100	0.00	0.00					
740.031	Metrology Software Review		0	30JAN04A				0.00	0.00					
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A				0.00	0.00					
740.045	Purchase- second Faro Arm PE005330	01OCT04A	102	29OCT04A			100	70,455.00	70,455.00					
1803-8	Metrology Support (moved from 1803)	01NOV04A	230*	30SEP05A			LOE	101,133.00	101,133.00					
740.020	Facility Prep	03OCT05*	95	22FEB06	915			0.00	63,992.08					
740.035	Deliver Metrology Software	03OCT05*	1	03OCT05	1,009			0.00	0.00					
740.100	Romer CMM- spare probes	03OCT05*	65	11JAN06	945			0.00	4,113.00					
740.105	Romer CMM-Software support & warranty renewal	03OCT05*	1,010*	30SEP09	0			0.00	44,712.97					
740.110	Romer CMM-Laptop for 2nd arm	03OCT05*	0*	30SEP05	1,010			0.00	0.00					
FY05CV-30	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				68,000.00	68,000.00					
<b>Job:1810 - Field Period Assembly-VIOLA</b>														
<b>Prep TFTR TC for Assembly operations</b>														
S0P0-100	LOE Crane support, fixture setupfor TFTR TC.	03OCT05*	250*	29SEP06	765			0.00	70,282.72					
<b>Stage 1 VV Prep (instl diag &amp; insul)FP#1</b>														
S1P1-101	Receive VV and inspect	03JAN06	4	06JAN06	313			0.00	7,818.24					
S1P1-102	Mount VV on VV Prep fixture (top side up)	09JAN06	1	09JAN06	313			0.00	977.28					
S1P1-103	Establish metrology setting; align VV base	10JAN06	4	13JAN06	313			0.00	5,863.68					
S1P1-103.1	Layout diagnostic&coolant paths on vsl w/templt	16JAN06	24	16FEB06	313			0.00	38,684.00					
S1P1-107	Wind magnetic diagnostic sensors	17FEB06	48	25APR06	313			0.00	77,368.00					
S1P1-107.1	Loop termination & verification	26APR06	10	09MAY06	313			0.00	13,030.40					
S1P1-106	Attach studs for coolant lines	10MAY06	16	01JUN06	313			0.00	15,636.48					
S1P1-108	Install cooling/htg lines to vac vsl	02JUN06	24	06JUL06	313			0.00	46,909.44					
S1P1-116	Prepare and transfer completed VV to holding are	07JUL06	3	11JUL06	313			0.00	5,863.68					
<b>Stage 1 VV Prep (instl diag &amp; insul)FP#2</b>														
S1P2-101	Receive VV and inspect	02OCT06*	4	05OCT06	259			0.00	7,989.12					
S1P2-102	Mount VV on VV Prep fixture (top side up)	06OCT06	1	06OCT06	259			0.00	998.64					
S1P2-103	Establish metrology setting; align VV base	09OCT06	4	12OCT06	259			0.00	5,991.84					
S1P2-103.1	Layout diagnostic&coolant paths on vessel	13OCT06	12	30OCT06	259			0.00	19,972.80					
S1P2-107	Wind magnetic diagnostic sensors	31OCT06	6	07NOV06	259			0.00	9,903.18					
S1P2-107.1	Loop termination & verification	08NOV06	10	21NOV06	259			0.00	13,315.20					
S1P2-106	Attach studs for coolant lines	22NOV06	16	15DEC06	259			0.00	15,978.24					
S1P2-108	Install cooling/htg lines to vac vsl	18DEC06	24	26JAN07	259			0.00	47,934.72					
S1P2-116	Prepare and transfer completed VV to holding are	29JAN07	3	31JAN07	259			0.00	5,991.84					
<b>Stage 1 VV Prep (instl diag &amp; insul)FP#3</b>														
S1P3-101	Receive VV and inspect	01FEB07	4	06FEB07	278			0.00	7,989.12					

RAFTOPOLOUS =612hr ;  
 em/sm=168;em/tb=392  
 travel=\$ 6 k  
 reqmnts TBD  
 m&s=\$3k  
 41=\$3k  
 41=\$4k

EM/TB=863 (50% fte)

EM/TB =96hr ;  
 EM/TB =12hr ;  
 EM/TB =72hr ;  
 metrology techs=475  
 EM/TB =950hr ;  
 EM/TB =160hr ;  
 EM/TB =192hr ;  
 EM/TB =576hr ;  
 EM/TB =72hr ;

EM/TB =96hr ;  
 EM/TB =12hr ;  
 EM/TB =72hr ;  
 metrology techs=240  
 EM/TB =119hr ;  
 EM/TB =160hr ;  
 EM/TB =192hr ;  
 EM/TB =576hr ;  
 EM/TB =72hr ;

EM/TB =96hr ;

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget						
										FY06	FY07	FY08	FY09	FY10	
S1P3-102	Mount VV on VV Prep fixture (top side up)	07FEB07	1	07FEB07	278			0.00	998.64						
S1P3-103	Establish metrology setting; align VV base	08FEB07	4	13FEB07	278			0.00	5,991.84						
S1P3-103.1	Layout diagnostic&coolant paths on vessel	14FEB07	12	01MAR07	278			0.00	19,972.80						
S1P3-107	Wind magnetic diagnostic sensors	02MAR07	6	09MAR07	278			0.00	9,819.96						
S1P3-107.1	Loop termination & verification	12MAR07	10	23MAR07	278			0.00	13,315.20						
S1P3-106	Attach studs for coolant lines	26MAR07	16	16APR07	278			0.00	15,978.24						
S1P3-108	Install cooling/htg lines to vac vsl	17APR07	8	26APR07	278			0.00	47,934.72						
S1P3-116	Prepare and transfer completed VV to holding area	27APR07	3	01MAY07	278			0.00	5,991.84						
<b>Spool pieces (3) (spacers)</b>															
S1SP-101	Attach diagnostics, studs and coolant lines	02JUL07*	16	23JUL07	368			0.00	31,956.48						
<b>Stage 2 MC HP Sub-assembly (bolt 3 MC together)</b>															
S2P1-100	Assemble Mod-Coils a1.b1,c1 FP 1 left	12JAN07	35	01MAR07	138			0.00	73,233.60						
S2P1-200	Assemble Mod-Coils a2.b2,c2 FP 1 right	09MAR07	27	16APR07	133			0.00	73,233.60						
S2P2-100	Assemble Mod-Coils a3.b3,c3 FP 2 left	15MAY07	27	21JUN07	143			0.00	73,233.60						
S2P2-200	Assemble Mod-Coils a4.b4,c4 FP 2 right	22JUN07	27	30JUL07	143			0.00	73,233.60						
S2P3-100	Assemble Mod-Coils a5.b5,c5 FP 3 left	31JUL07	27	05SEP07	172			0.00	73,233.60						
S2P3-200	Assemble Mod-Coils a6.b6,c6 FP 3 right	18OCT07	27	23NOV07	142			0.00	75,204.80						
<b>Stage 3 MC Instl (rotate MC over Vsl)-FP#1</b>															
S3P1-000	Begin Assembly of First Field Period Assy	12JAN07	0		189			0.00	0.00						
S3P1-101	VV to MC turning fixt base; metr check	12JAN07	2	15JAN07	189			0.00	3,994.56						
S3P1-101.1	Attach local protective strips to VV&locate sens	16JAN07	2	17JAN07	189			0.00	2,663.04						
S3P1-102	Mount MC on crane; perform metr checks	02MAR07	2	05MAR07	158			0.00	3,994.56						
S3P1-103	Rotate right MC to stand-off position&chk	06MAR07	3	08MAR07	158			0.00	5,991.84						
S3P1-104	Transfer load to sprt sys and recheck position	09MAR07	2	12MAR07	158			0.00	3,994.56						
S3P1-105	Move MC turning fixt; mount MC on crane	17APR07	1	17APR07	133			0.00	1,997.28						
S3P1-106	Rotate left MC to stand-off position and check p	18APR07	2	19APR07	133			0.00	3,994.56						
S3P1-107	Move left & right MC to final position & measure	20APR07	2	23APR07	133			0.00	3,994.56						
S3P1-108	Install shims ( as reqd); ream 24 holes	24APR07	7	02MAY07	133			0.00	23,301.60						
S3P1-109	Bolt together at flange interface.	03MAY07	2	04MAY07	133			0.00	3,994.56						
S3P1-110	Perform final metrology position check	07MAY07	2	08MAY07	133			0.00	2,663.04						
S3P1-110.1	Remove temp interference strips&sensors	09MAY07	1	09MAY07	133			0.00	665.76						
S3P1-111	Secure VV to MC's using temporary supports.	10MAY07	2	11MAY07	133			0.00	3,994.56						
S3P1-112	Prep& xfr completed assembly to Stage 4 area	14MAY07	1	14MAY07	133			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	15MAY07	2	16MAY07	186			0.00	3,994.56						
S3P2-101.1	Attach local protective strips to VV&locate sens	17MAY07	2	18MAY07	186			0.00	2,663.04						
S3P2-102	Mount MC on crane; perform metr checks	22JUN07	2	25JUN07	163			0.00	3,994.56						
S3P2-103	Rotate right MC to stand-off position&chk	26JUN07	3	28JUN07	163			0.00	5,991.84						

EM//TB =12hr ;  
EM//TB =72hr ;  
metrology techs=240  
EM//TB =5118hr ;  
EM//TB =160hr ;  
EM//TB =192hr ;  
EM//TB =576hr ;  
EM//TB =72hr ;

EM//TB =384hr ;

EM//TB =880hr ;  
EM//TB =880hr ;  
EM//TB =880hr ;  
EM//TB =880hr ;  
EM//TB =880hr ;  
EM//TB =880hr ;

\*\*\*\*\*  
BEGIN ASSEMBLY OF FIRST FIELD PERIOD  
DOE LEVEL 2 MILESTONE  
PEP DATE = JULY 2007  
\*\*\*\*\*

EM//TB =48hr  
EM//TB =32hr ;  
EM//TB =48hr  
EM//TB =72hr ;  
EM//TB =48hr ;  
EM//TB =24hr ;  
EM//TB =48  
EM//TB =48hr ;  
EM//TB =280hr ;  
EM//TB =48hr ;  
EM//TB =32hr ;  
EM//TB =8hr ;  
EM//TB =48hr ;  
EM//TB =24hr ;

EM//TB =48hr ;  
EM//TB =32hr ;  
EM//TB =48hr ;  
EM//TB =72hr ;

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ECP-38 baseline  
 Progress Bar  
 Critical Activity

EC39

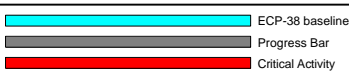
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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
S3P2-104	Transfer load to supt sys and recheck position	29JUN07	2	02JUL07	163			0.00	3,994.56			EM/TB =48hr ;			
S3P2-105	Move MC turning fixt; mount MC on crane	31JUL07	1	31JUL07	143			0.00	1,997.28			EM/TB =24hr ;			
S3P2-106	Rotate left MC to stand-off position and check p	01AUG07	2	02AUG07	143			0.00	3,994.56			EM//TB =48hr ;			
S3P2-107	Move left & right MC to final position & measure	03AUG07	2	06AUG07	143			0.00	3,994.56			EM//TB =48hr ;			
S3P2-108	Install shims ( as reqd); ream 24 holes	07AUG07	7	15AUG07	143			0.00	23,301.60			EM//TB =280hr ;			
S3P2-109	Bolt together at flange interface.	16AUG07	2	17AUG07	143			0.00	3,994.56			EM//TB =48hr ;			
S3P2-110	Perform final metrology position check	20AUG07	2	21AUG07	143			0.00	2,663.04			EM//TB =32hr ;			
S3P2-110.1	Remove temp interference strips&sensors	22AUG07	1	22AUG07	143			0.00	665.76			EM//TB =8hr ;			
S3P2-111	Secure VV to MC's using temporary supports.	23AUG07	2	24AUG07	143			0.00	3,994.56			EM//TB =48hr ;			
S3P2-112	Prep& xfr completed assembly to Stage 4 area	27AUG07	1	27AUG07	143			0.00	1,997.28			EM//TB =24hr ;			
<b>Stage 3 MC Instl (rotate MC over Vs)-FP#3</b>															
S3P3-101	Mount VV to MC turning fixt base; metr check	28AUG07	2	29AUG07	195			0.00	3,994.56			EM//TB =48hr ;			
S3P3-101.1	Attach local protective strips to VV&locate sens	30AUG07	2	31AUG07	195			0.00	2,663.04			EM//TB =32hr ;			
S3P3-102	Mount MC on crane; perform metr checks	06SEP07	2	07SEP07	192			0.00	3,994.56			EM//TB =48hr ;			
S3P3-103	Rotate right MC to stand-off position&chk	10SEP07	3	12SEP07	192			0.00	5,991.84			EM//TB =72hr ;			
S3P3-104	Transfer load to supt sysand recheck position	13SEP07	2	14SEP07	192			0.00	3,994.56			EM//TB =48hr ;			
S3P3-105	Move MC turning fixt; mount MC on crane	26NOV07	1	26NOV07	142			0.00	2,051.04			EM//TB =24hr ;			
S3P3-106	Rotate left MC to stand-off position and check p	27NOV07	2	28NOV07	142			0.00	4,102.08			EM//TB =48hr ;			
S3P3-107	Move left & right MC to final position & measure	03DEC07	2	04DEC07	142			0.00	4,102.08			EM//TB =48hr ;			
S3P3-108	Install shims ( as reqd); ream 24 holes	05DEC07	7	13DEC07	142			0.00	23,928.80			EM//TB =280hr ;			
S3P3-109	Bolt together at flange interface.	14DEC07	2	17DEC07	142			0.00	4,102.08			EM//TB =48hr ;			
S3P3-110	Perform final metrology position check	18DEC07	2	19DEC07	142			0.00	2,734.72			EM//TB =32hr ;			
S3P3-110.1	Remove temp interference strips&sensors	20DEC07	1	20DEC07	142			0.00	683.68			EM//TB =8hr ;			
S3P3-111	Secure VV to MC's using temporary supports.	21DEC07	2	02JAN08	142			0.00	4,102.08			EM//TB =48hr ;			
S3P3-112	Prep& xfr completed assembly to Stage 4 area	03JAN08	1	03JAN08	142			0.00	2,051.04			EM//TB =24hr ;			
<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	161			0.00	37,110.40			em//sm=80; em//tb=320			
184-105	Assemble 3 TF coils&structure -Right -Period #1	04MAY07	10	17MAY07	161			0.00	37,110.40			em//sm=80; em//tb=320			
184-110	Assemble 3 TF coils&structure -Left-Period #2	31MAY07	10	13JUN07	217			0.00	37,110.40			em//sm=80; em//tb=320			
184-115	Assemble 3 TF coils&structure -Right -Period #2	17JUL07	10	30JUL07	195			0.00	37,110.40			em//sm=80; em//tb=320			
184-120	Assemble 3 TF coils&structure -Left -Period #3	04OCT07	10	17OCT07	209			0.00	38,108.80			em//sm=80; em//tb=320			
184-125	Assemble 3 TF coils&structure -Right -Period #3	20NOV07	10	05DEC07	186			0.00	38,108.80			em//sm=80; em//tb=320			
<b>Stage 4 - Final FP Assy (Instl ports &amp; TF's)FP#1</b>															
S4P1-101	Mount MC/VV assembly to support frame a	15MAY07	2	16MAY07	133			0.00	3,994.56			EM//TB =48hr ;			
S4P1-102	Position and weld all ports to VV	17MAY07	20	14JUN07	133			0.00	79,891.20			EM//TB =960hr ;			
S4P1-103	Inspect Welds	15JUN07	5	21JUN07	133			0.00	6,657.60			EM//TB =80hr ;			
S4P1-104	Assemble left TF Coil Assembly check position	22JUN07	3	26JUN07	133			0.00	7,989.12			EM//TB =96hr ;			
S4P1-105	Change platforms	27JUN07	2	28JUN07	133			0.00	3,994.56			EM//TB =48hr ;			
S4P1-106	Assemble right TF Coil Assembly chk position	29JUN07	3	03JUL07	133			0.00	7,989.12			EM//TB =96hr ;			
S4P1-107	Attach TF coils to MC's	04JUL07	3	06JUL07	133			0.00	5,991.84			EM//TB =72hr ;			

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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget							
										FY06	FY07	FY08	FY09	FY10		
S4P1-108	Change platforms	09JUL07	2	10JUL07	134			0.00	5,326.08							EM/TB =64hr ;
S4P1-109	Position, weld two large horizontal diag ports	11JUL07	8	20JUL07	134			0.00	15,978.24							EM/TB =192hr ;
S4P1-110	Inspect Welds	23JUL07	1	23JUL07	134			0.00	1,331.52							EM/TB =16hr ;
S4P1-111	Assemble external trim coils to TF Coil	18JUL07	15	07AUG07	123			0.00	19,972.80							EM/TB =240hr ;
S4P1-112	Close up VV, leak check	08AUG07	10	21AUG07	123			0.00	53,260.80							EM/TB =640hr ;
S4P1-113	Adjust final support base interfaces	22AUG07	10	04SEP07	123			0.00	3,994.56							EM/TB =48hr ;
S4P1-113.5	Final metrology outside & inside	05SEP07	10	18SEP07	123			0.00	0.00							
S4P1-114	Prepare Field Period for shipment	19SEP07	2	20SEP07	123			0.00	3,994.56							EM/TB =48hr ;
S4P1-115	Transfer completed assy to C-site test cell	21SEP07	2	24SEP07	123			0.00	6,657.60							EM/TB =80hr ;
<b>Stage 4 - Final FP Assy (Instl ports &amp; TF's)FP#2</b>																
S4P2-101	Mount MC/VV assembly to support frame a	25SEP07	2	26SEP07	123			0.00	3,994.56							EM/TB =48hr ;
S4P2-102	Position and weld all ports to VV	27SEP07	20	24OCT07	123			0.00	81,826.56							EM/TB =960hr ;
S4P2-103	Inspect Welds	25OCT07	5	31OCT07	123			0.00	6,836.80							EM/TB =80hr ;
S4P2-104	Assemble left TF Coil Assembly check position	01NOV07	3	05NOV07	123			0.00	8,204.16							EM/TB =96hr ;
S4P2-105	Change platforms	06NOV07	2	07NOV07	123			0.00	4,102.08							EM/TB =48hr ;
S4P2-106	Assemble right TF Coil Assembly chk position	08NOV07	3	12NOV07	123			0.00	8,204.16							EM/TB =96hr ;
S4P2-107	Attach TF coils to MC's	13NOV07	3	15NOV07	123			0.00	6,153.12							EM/TB =72hr ;
S4P2-108	Change platforms	16NOV07	2	19NOV07	123			0.00	5,469.44							EM/TB =64hr ;
S4P2-109	Position, weld two large horizontal diag ports	20NOV07	8	03DEC07	123			0.00	16,408.32							EM/TB =192hr ;
S4P2-110	Inspect Welds	04DEC07	1	04DEC07	123			0.00	1,367.36							EM/TB =16hr ;
S4P2-111	Assemble external trim coils to TF Coil	13NOV07	10	26NOV07	127			0.00	20,510.40							EM/TB =240hr ;
S4P2-112	Close up VV, leak check	05DEC07	10	18DEC07	123			0.00	54,694.40							EM/TB =640hr ;
S4P2-113	Adjust final support base interfaces	19DEC07	10	10JAN08	123			0.00	4,102.08							EM/TB =48hr ;
S4P2-113.5	Final metrology outside & inside	11JAN08	10	24JAN08	123			0.00	0.00							
S4P2-114	Prepare Field Period for shipment	25JAN08	2	28JAN08	123			0.00	4,102.08							EM/TB =48hr ;
S4P2-115	Transfer completed assy to C-site test cell	29JAN08	2	30JAN08	123			0.00	6,836.80							EM/TB =80hr ;
<b>Stage 4 - Final FP Assy (Instl ports &amp; TF's)FP#3</b>																
S4P3-101	Mount MC/VV assembly to support frame a	31JAN08	2	01FEB08	123			0.00	4,102.08							EM/TB =48hr ;
S4P3-102	Position and weld all ports to VV*2 shift*	04FEB08	20	29FEB08	123			0.00	82,041.60							EM/TB =960hr ;
S4P3-103	Inspect Welds	03MAR08	5	07MAR08	123			0.00	6,836.80							EM/TB =80hr ;
S4P3-104	Assemble left TF Coil Assembly check position	10MAR08	3	12MAR08	123			0.00	8,204.16							EM/TB =96hr ;
S4P3-105	Change platforms	13MAR08	2	14MAR08	123			0.00	4,102.08							EM/TB =48hr ;
S4P3-106	Assemble right TF Coil Assembly chk position	17MAR08	3	19MAR08	123			0.00	8,204.16							EM/TB =96hr ;
S4P3-107	Attach TF coils to MC's	20MAR08	3	24MAR08	123			0.00	6,153.12							EM/TB =72hr ;
S4P3-108	Change platforms	25MAR08	2	26MAR08	123			0.00	5,469.44							EM/TB =64hr ;
S4P3-109	Position, weld two large horizontal diag ports	27MAR08	8	07APR08	123			0.00	16,408.32							EM/TB =192hr ;
S4P3-110	Inspect Welds	08APR08	1	08APR08	123			0.00	1,367.36							EM/TB =16hr ;
S4P3-111	Assemble external trim coils to TF Coil	20MAR08	10	02APR08	127			0.00	20,510.40							EM/TB =240hr ;
S4P3-112	Close up VV, leak check	09APR08	10	22APR08	123			0.00	54,694.40							EM/TB =640hr ;
S4P3-113	Adjust final support base interfaces	23APR08	10	06MAY08	123			0.00	4,102.08							EM/TB =48hr ;



Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
S4P3-113.5	Final metrology outside & inside	07MAY08	10	20MAY08	123			0.00	0.00						
S4P3-114	Prepare Field Period for shipment	21MAY08	2	22MAY08	123			0.00	4,102.08						
S4P3-115	Transfer completed assy to C-site test cell	23MAY08	2	26MAY08	123			0.00	6,836.80						
S4P3-115X	Last field period assembled		0	26MAY08	123			0.00	0.00						

EM/TB =48hr ;  
EM/TB =80hr ;

LAST FIELD PERIOD ASSEMBLED  
DOE LEVEL 2 MILESTONE  
PEP DATE = NOVEMBER 2008

### 19 - Stellarator Core Management and Integration

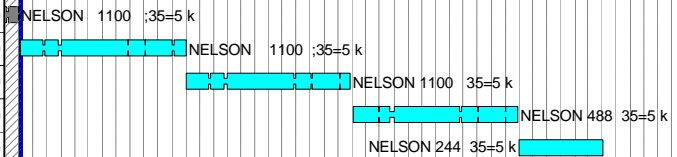
#### Job: 1901 - Stellarator Core Mngt&Integr-NELSON

##### Prior Costs

1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A			100	187,090.00	187,090.00
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	248	30SEP03A			100	67,070.00	67,070.00
1901-ECP16	ecp16	01OCT03A	250*	30SEP04A			LOE	30,000.00	30,000.00

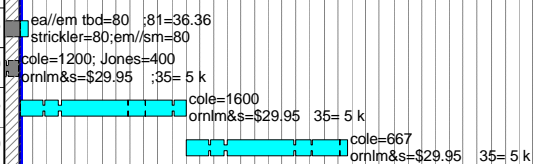
##### 191 - Stellarator Core Management & Oversight

191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	250*	30SEP04A			LOE	101,500.00	101,500.00
0191-5	LOE-FY05 WBS 191	01OCT04A	249*	30SEP05A			LOE	175,500.00	175,500.00
0191-6	LOE-FY06 WBS 191	03OCT05*	250*	02OCT06	513		LOE	0.00	197,788.90
0191-6X	LOE-FY07 WBS 191	03OCT06*	247	27SEP07	513		LOE	0.00	201,498.00
0191-7	LOE-FY08 WBS 191	03OCT07*	247	26SEP08	263		LOE	0.00	99,976.00
191-8	LOE-FY089 WBS 191	03OCT08*	130	02APR09	129		LOE	0.00	51,804.00

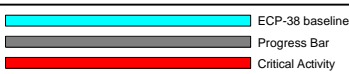


##### 192 - Stellarator Core Integration & Analysis

192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	250*	30SEP04A			LOE	234,660.11	234,660.11
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	250*	30SEP04A			LOE	36,676.65	36,676.65
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	271	30SEP04A			LOE	42,333.00	42,333.00
192-6.07	Time constant calcs using SPARK	01APR04A	42*	28MAY04A			100	6,180.00	6,180.00
192-6.08	Indep check time constant calcs using EDDYCUFF	01MAY04A	138*	30SEP04A			100	10,295.20	10,295.20
192-6.09	Revised VV geometry	02FEB04A	6	27FEB04A			100	3,090.00	3,090.00
192-6.10	MC interf during assy, geometry, assy trajecto	02FEB04A	31	27FEB04A			100	32,957.60	32,957.60
192-6.11	Range of motion reqts for Assly MC fixture.	02FEB04A	20	27FEB04A			100	17,507.60	17,507.60
192-6.12	Final Check & Verification	01MAY04A	6	28MAY04A			100	3,708.00	3,708.00
192-6.2	Final Mod Coil Trajectories		0	27FEB04A				0.00	0.00
192-6.5	Structural Design criteria		0	28MAY04A			100	0.00	0.00
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	357*	29JUL05A			100	19,284.37	19,284.37
192-6.02	Check critical coil tolerance calculations.	01APR04A	207*	31JAN05A			100	11,098.48	11,098.48
192-6.03	Method for determining current center	01FEB04A	234*	30DEC04A			100	86,626.35	86,626.35
192-6.06	Coil positions to minimize islands.	02FEB04A	270	28FEB05A			100	66,401.76	66,401.76
192-6.031	Demo Method for current center on TRC	18JUN05A	89*	21OCT05	1,000		90	63,897.89	70,997.65
0192-5	LOE-FY05 WBS 192	01OCT04A	249*	30SEP05A			LOE	280,350.00	280,350.00
0192-6	LOE-FY06 WBS 192	03OCT05*	250	02OCT06	518		LOE	0.00	312,504.78
0192-6X	LOE-FY07 WBS 192	03OCT06*	242	20SEP07	518		LOE	0.00	158,033.60



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### ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget					
										FY06	FY07	FY08	FY09	FY10
0192-7	LOE-FY08 WBS 192	03OCT07*	242	19SEP08	268		LOE	0.00	151,531.40					
0192-99	LOE-FY09	01OCT08*	130	31MAR09	131		LOE	0.00	101,860.00					
FY05CV-31	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				9,000.00	9,000.00					

COLE=600  
ornlm&s=\$29.95 35= 5 k  
COLE=400; orn135=3 orn141=\$20k

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

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

### 22 - Torus Vacuum Pumping Systems

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

##### Prior Costs

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

#### Job: 2201 - Vacuum Pumping Systems

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

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

### 25 - Neutral Beam Injection System

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

##### FY04 Work Plan

2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A				81,334.78	81,334.78
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## ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget						
										FY06	FY07	FY08	FY09	FY10	
2501-014.1	FY04 work closeout *TBD*	01JUL04A	64*	30SEP04A			LOE	48,614.06	48,614.06						
<b>Prior Costs</b>															
2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A			100	123,000.00	123,000.00						
<b>Refurbishment**CD-3 deleted scope</b>															
25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A				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				2,060.33	2,060.33						
<b>Re-Install Cables**CD-3 deleted scope</b>															
25-225.1	Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A				4,812.60	4,812.60						
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A				727.68	727.68						
<b>Beamline Connections**CD-3 deleted scope</b>															
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A				2,433.60	2,433.60						

**3 - Diagnostics**

**31 - Magnetic Diagnostics**

**Job: 3101 Magnetic Diagnostics**

**Vacuum Vessel Saddle Loops**

3101-105	DEVELOP LOCATING, MOUNTING STRATEGY	01JAN05A	20	31JAN05A			100	1,000.00	1,000.00	
3101-109	INTEGRATE LOOP AND LEAD DESIGN WITH H/C	01JAN05A	40	28FEB05A			100	6,416.80	6,416.80	
3101-113	INTEGRATE LAYOUT, MEAS NEEDS W/ VSL	01JAN05A	40	28FEB05A			100	3,208.40	3,208.40	
3101-117	DEVELOP CONSTRAINTS FOR ARRAY LAYOUT	01JAN05A	20	31JAN05A			100	0.00	0.00	
3101-121	LAYOUT CANDIDATE SENSOR ARRAY ON PRO-E	01FEB05A	20	28FEB05A			100	0.00	0.00	
3101-125	PDR PREP -VESSEL SADDLE LOOP MOUNTING	02MAY05A	5	31MAY05A			100	9,483.60	9,483.60	
3101-126	PEER REVIEW -VESSEL SADDLE LOOP		0	31MAY05A			100	0.00	0.00	
3101-129	DESIGN AND PROTOTYPE SADDLE LOOP	01MAR05A	107*	29JUL05A			100	7,643.52	7,643.52	
3101-133	Prototype loops on vsl proto segment using ARI	01MAR05A	107*	29JUL05A			100	6,189.20	6,189.20	
3101-137	FINAL OPTIMIZATION OF LOOP LOCATION, AREA	01JAN05A	193*	30SEP05A			100	0.00	0.00	
3101-149	PREPARE METROLOGY	01JUN05A	87*	31AUG05A			100	6,416.80	6,416.80	
3101-145	Procure MI Cable	26SEP05A	53*	09DEC05	154	15		3,525.34	22,041.84	
3101-139	Develop ProE model of loops, flat dev, fiducials	26SEP05A	37*	15NOV05	983	15		3,111.65	20,744.34	
3101-141	FDR PREP- VESSEL SADDLE LOOPS	03OCT05*	20*	28OCT05	356			0.00	10,410.60	
3101-142	FDR - VESSEL SADDLE LOOPS		0	28OCT05	356			0.00	0.00	
3101-153	Fab Installation Templates	21NOV05*	6*	30NOV05	363			0.00	2,911.02	
3101-146	Procure remaining materials	14OCT05*	13*	01NOV05	424			0.00	12,424.40	
3101-157	Design & fab tooling and clamps	01JUN05A	128*	30NOV05	363	40		5,046.82	12,617.04	
3101-167	Design voltage loop connections	02FEB06*	5	08FEB06	416			0.00	3,470.20	
3101-169	Voltage loop connection peer review	15FEB06*	1	15FEB06	412			0.00	1,735.10	
3101-165	Identify lead wires at multiple locations	15DEC05*	357*	21MAY07	607			0.00	8,437.42	
3101-161	SUPT LOOP INSTL 200 LOOPS), TESTING	17FEB06	266*	09MAR07	278			0.00	21,004.15	
3101-225	Terminate saddle loops	07JUL06	205*	01MAY07	278			0.00	28,546.38	
<b>Modular Coil C-wound Loops</b>										
3101-205	MOUNTING/LOCATING STRATEGY MC	01JAN05A	20	31JAN05A			100	3,208.40	3,208.40	

LABIK =40hr ;  
M&S =15\$K ; LABIK =10hr ;  
;Brown=120  
; LABIK =60hr ;  
LABIK =2hr ; MACHINIST =20hr ;  
M&S =4\$K ; LABIK =40hr ;  
DIAG TECH =20hr ; LABIK =40hr ;  
MACHINIST =40hr ;  
labik=20  
labik=10  
diag tech=60; labik=20  
LABIK =120hr oversight  
installation time in WBS18 job 1810  
labik=40; diag tech=260

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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
3101-209	PROTOTYPE ON TWISTED RACETRACK	01MAR05A	20	31MAR05A			100	4,741.80	4,741.80						
3101-213	DESIGN TERMINATION	01MAR05A	130*	31AUG05A			100	7,302.40	7,302.40	LABIK	=20hr ; MECH DESIGN =40 ;				
3101-221	PROCURE MATERIALS	25JUL05A	0*	29JUL05A			100	6,410.90	6,410.90						
3101-217	Peer review of lead routing	04NOV05*	2	07NOV05	176			0.00	3,470.20	LABIK	=20hr ;				
3101-230	Install heat shrink tubing on MI cable	12DEC05*	10	23DEC05	154			0.00	8,598.20	LABIK	=20hr ; jurczynski=40				
3101-229	SUPPORT NSTALLATION, TERMINATION,	10NOV05	389*	04JUN07	147			0.00	7,005.48	LABIK	=40hr ; oversight installation included in MC winding job				
3101-231	Terminate MC co-wound loops	14MAY07	159*	03JAN08	142			0.00	11,521.78	LABIK	=20hr ; diag tech =60				
<b>Rogowski Coils</b>															
3101-301	LAYOUT LOCATION ROWGOSKI COIL & EST COIL	01JUN05A	108*	31OCT05	447		80	3,853.23	4,816.53	STRATTON	=10hr ; LABIK =20hr ;				
3101-305	work on coil design with vendor	03OCT05*	41*	30NOV05	395			0.00	3,470.20	LABIK	=20hr ;				
3101-309	DESIGN COIL MOUNTING TECHNIQUE	26SEP05A	57*	15DEC05	395		80	2,710.71	3,388.39	LABIK	=20hr ;				
3101-313	DESIGN LEAD ROUTING AND TERMINATION	03JAN06*	21*	31JAN06	389			0.00	3,470.20	LABIK	=20hr ;				
3101-317	PDR PREP- ROWGOWSKI COIL	01FEB06*	11*	15FEB06	389			0.00	5,126.10	STRATTON	=10hr ; LABIK =20hr ;				
3101-318	PDR - ROWGOWSKI COIL		0	28FEB06*	380			0.00	0.00						
3101-321	Specify Rogowski Coils	01MAR06*	11*	15MAR06	380			0.00	3,470.20	LABIK	=20hr ;				
3101-325	FDR PREP ROWGOSKI COIL	16MAR06*	12*	31MAR06	380			0.00	3,470.20	LABIK	=20hr ;				
3101-326	FDR - ROWGOSKI COIL		0	31MAR06	380			0.00	0.00						
3101-329	FAB ROWGOWSKI COILS (2)	03APR06	21*	01MAY06	380			0.00	24,035.20	M&S	=15\$K ; LABIK =20hr ;				
3101-337	INSTALL COILS AND TERMINATIONS	14MAY07	159*	03JAN08	142			0.00	4,422.73	LABIK	=20hr ; em/tb=10				
<b>TF Co-wound Loops</b>															
3101-401	MOUNTING/LOCATING TECHNIQUE TF	25JUL05A	28*	31AUG05A			100	6,275.20	6,275.20	STRATTON	=20hr ; LABIK =20hr ;				
3101-405	DESIGN TERMINATION N/R	03OCT05	1	03OCT05	400			0.00	0.00						
3101-409	FINALIZE LOOP LOCATION/MOUNTING	01AUG05A	20	31AUG05A			100	6,416.80	6,416.80	LABIK	=40hr ;				
3101-413	FDR PREP- TF CO-WOUND LOOPS	28NOV05*	3*	30NOV05	363			0.00	6,940.40	LABIK	=40hr ;				
3101-414	FDR - TF CO-WOUND LOOPS		0	05DEC05*	360			0.00	0.00						
3101-417	PROCURE MATERIALS	06DEC05	8*	15DEC05	360			0.00	10,325.20	M&S	=05\$K ; LABIK =20hr ;				
3101-425	INSTALL TF CO-WOUND LOOPS	28APR06	371*	15OCT07	187			0.00	0.00						
3101-429	INSTALL TERMINATIONS	14MAY07	159*	03JAN08	142			0.00	8,626.00	LABIK	=20hr ; DIAG TECH =60hr ;				
<b>Modular Coil Shell Saddle Loops</b>															
3101-501	DETERMINE NUMEBR AND LOCATION OF LOOPS	03OCT05*	59*	03JAN06	286			0.00	6,623.60	STRATTON	=40hr ;				
3101-505	MOUNTING/LOCATING TECHN MC SHELL	04JAN06*	20*	31JAN06	286			0.00	6,782.00	STRATTON	=20hr ; LABIK =20hr ;				
3101-509	PROTOTYPE MC SHELL SADDLE LOOPS N/R	03OCT05	1	03OCT05	323			0.00	0.00						
3101-513	PDR PREP -MC SHELL SADDLE LOOPS	01NOV05*	12*	16NOV05	303			0.00	5,126.10	STRATTON	=10hr ; LABIK =20hr ;				
3101-514	PDR-MC SHELL SADDLE LOOPS		0	16NOV05	303			0.00	0.00						
3101-521	FINALIZE LOOP LOCATION/MOUNTING	17NOV05*	8*	30NOV05	303			0.00	10,252.20	LABIK	=40hr ; stratton=20				
3101-525	FDR PREP - MC SHELL SADDLE LOOPS	01DEC05*	11*	15DEC05	303			0.00	6,940.40	LABIK	=40hr ;				
3101-526	FDR - MC SHELL SADDLE LOOPS		0	15DEC05	303			0.00	0.00						
3101-529	PROCURE MATERIALS	03JAN06*	10*	16JAN06	297			0.00	10,325.20	M&S	=05\$K ; LABIK =20hr ;				
3101-533	INSTALL MC SHELL SADDLE LOOPS	17MAR06	403*	17OCT07	142			0.00	7,045.88	LABIK	=40hr ;				
3101-537	INSTALL TERMINATIONS	14MAY07	120	29OCT07	181			0.00	8,579.45	LABIK	=20hr ; DIAG TECH =60hr ;				

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ECP-38 baseline  
 Progress Bar  
 Critical Activity

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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
<b>Termination Boxes</b>															
3101-333	Complete termination box design & prototyping	26SEP05A	27*				80	7,874.08	9,842.60						
3101-421	FDR of terminations incl in saddle loop FDR	02NOV05*	1	02NOV05	424			0.00	0.00						
3101-517	Fab termination boxes (24)	15NOV05*	49*	01FEB06	416			0.00	55,597.50						
3101-517A	Install termination boxes	02JUN06	229*	01MAY07	278			0.00	33,885.69						
FY05CV-32	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				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	186			0.00	11,997.15						
361-015	Fab/Assy/Installation Visible Camera	30OCT07*	130	08MAY08	186			0.00	33,584.00						
<b>38 - Electron Beam (EB) Mapping</b>															
<b>Job: 3801 - Electron Beam Mapping</b>															
380-010	Designe-Beam Probe,Fluor. Screen	12OCT07	40	10DEC07	186			0.00	46,167.80						
380-015	Fab & Install Beam probe	11DEC07*	102	08MAY08	186			0.00	160,029.00						
<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			100	155,450.00	155,450.00						
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A			100	0.00	0.00						
390-110	Resolve port interferences.Final port config		0	30JUN04A			100	0.00	0.00						
390-120	Update port map&revise diag port assignments		0	30SEP05*	1,010		90	0.00	0.00						
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	30SEP05*	1,010		100	0.00	0.00						
390-140	Write ICD's-Define external space for diagnostic		0	30SEP05*	1,010		50	0.00	0.00						
390-150	Write ICD's-Define space f/racks in cntrl rm		0	30SEP05*	1,010		50	0.00	0.00						
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A			100	0.00	0.00						
390-170	Develop space envelopes for SXR		0	30SEP05*	1,010		70	0.00	0.00						
390-180	Hold CDR's co-wound mag sensors&ext saddle		0	30SEP05*	1,010			0.00	0.00						
390-010	LOE Support FY04	01OCT03A	250*	30SEP04A			LOE	65,000.00	65,000.00						
390-015	LOE Support FY05 **reduced scope	01OCT04A	249*	30SEP05A			LOE	66,357.30	66,357.30						
390-020	LOE Support FY06	03OCT05*	249*	29SEP06	761			0.00	70,515.03						
FY05CV-33	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-12,000.00	-12,000.00						

labik=20;guttadora=60

labik=90;machinist=80; diag tech=365

labik=80;machinist=80; diag tech=240

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

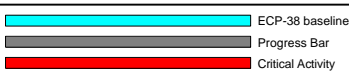
R//RM2 =70hr ; EM//EM =120hr ;  
 EA/DM =100hr ;  
 R//RM2 =160hr ; EE//EM =60hr ;  
 EM//EM =160hr ; EE//SM =80hr ;  
 em/sm=170;41=42

R//RM2 =177hr ; EM//EM =0  
 EA/DM =0 ;t//rm3=177  
 R//RM2 =177hr ; EM//EM =0  
 EA/DM =0 ;t//rm3=177

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget						
										FY06	FY07	FY08	FY09	FY10	
<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			100	8,442.00	8,442.00						
4101-100.1	Prepare Preliminary One line diagram	06OCT06*	173	18JUN07	584			0.00	1,076.96						
411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	06OCT06*	241	24SEP07	516			0.00	60,631.46						
411-2-2	Grounding-Dsn	02OCT06*	86	08FEB07	364			0.00	31,305.04						
411-2-4	Grounding-Procure	09FEB07*	107	11JUL07	364			0.00	6,855.00						
411-2-6	Grounding-Install	10MAY07*	43	11JUL07	364			0.00	64,912.20						
411-2-8	Grounding-Commission	12JUL07*	29	21AUG07	364			0.00	16,005.68						
411-3-2	Test Cell AC Power Distr-Dsn	02OCT06*	186	29JUN07	400			0.00	3,741.36						
411-3-2.04	Test Cell AC Power fy04	01APR04A	186*	30SEP04A			100	73,000.00	73,000.00						
411-3-4	Test Cell AC Power Distr-Procure(pnl's & xfmr's)	01JUL05A	107*	30NOV06	544		20	8,953.29	44,766.45						
411-3-6	Test Cell AC Power Distr-Install	28SEP06*	358	14SEP07	347		50	15,049.12	30,098.24						
411-3-8	Test Cell AC Power Distr-Commission	13JUL07*	45	14SEP07	347			0.00	32,011.36						
411-4-2	Standby Power for Cryo Sys -Dsn	03OCT05	0	30SEP05	1,010			0.00	0.00						
411-4-4	Standby Power for Cryo Sys -Procure	03OCT05	0	30SEP05	1,010			0.00	0.00						
411-4-6	Standby Power for Cryo Sys -Install	03OCT05	0	30SEP05	1,010			0.00	0.00						
<b>412 - Experimental AC Power Systems</b>															
412-1-2	D-site Pulsed AC Power Distr-Dsn	02OCT06*	128	09APR07	236			0.00	11,605.20						
412-1-4	D-site Pulsed AC Power Distr-Procure	10APR07	125	04OCT07	236			0.00	6,860.44						
412-1-6	D-site Pulsed AC Power Distr-Install	05OCT07	40	03DEC07	236			0.00	18,215.68						
412-1-8	D-site Pulsed AC Power Distr-Commission	04DEC07	40	05FEB08	236			0.00	10,866.80						
FY05CV-34	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				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	307*	23DEC05	952		95	16,156.54	17,006.88						
431-210	Organize & verify documentation	01OCT04A	307*	23DEC05	952		95	41,559.24	43,746.56						
431-215	Document status	01OCT04A	307*	23DEC05	952		90	5,607.72	6,230.80						
431-225	Reactivate DF & PEI units	01JUL05A	85*	31OCT05	989		5	559.82	11,196.40						
431-230	Load test	01JUL05A	85*	31OCT05	989		5	765.32	15,306.40						
431-240	Simulate each of 6 pwr loops in PSCAD	03OCT05*	65	11JAN06	945			0.00	13,447.20						
431-250	c-site dc sys DGS dsn documentation	03OCT05*	100	01MAR06	910			0.00	7,322.64						
431-260	Power loop design	01NOV04A	286*	23DEC05	952		85	92,296.81	108,584.48						
431-265	Fabricate bus components	03OCT05*	185	29JUN06	825			0.00	17,600.64						
431-275	Power cabling & Installation	02OCT06*	121	29MAR07	492			0.00	214,510.20						

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget						
										FY06	FY07	FY08	FY09	FY10	
FY05CV-35	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				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	224			0.00	32,679.20	raki=80;vankirk=160					
441-097	Install Interlock sys	28MAR07	119	13SEP07	309			0.00	29,272.00	raki=80;ee/sm=120					
441-100	PLC Specification	28MAR07	85	26JUL07	224			0.00	14,118.32	raki=40;cropper=56					
441-105	Prep Block diagrams	28MAR07	85	26JUL07	224			0.00	17,224.40	raki=40;cropper=80					
441-110	PLC CWD's & Cabling	27JUL07*	85	23NOV07	224			0.00	22,685.24	marsala=40;cropper=120					
441-115	deliver PLC	27JUL07*	85	23NOV07	472			0.00	70,250.00	M&S=50					
441-120	Program PLC Logic	26NOV07	45	06FEB08	427			0.00	23,004.80	lawson=40;cropper=120					
441-125	Program Control pages	26NOV07	97	18APR08	375			0.00	24,097.84	schneider=32;cropper=120;sichta=16					
441-130	Pre-commissioning tests	14SEP07	214	23JUL08	309			0.00	24,377.02	raki=40;cropper=120;M&S=1					
441-135	Install I/O Cabling	26NOV07	248	20NOV08	224			0.00	119,268.19	raki=120;ee/sm=80;Powers=30 k ea/sm=160;ee/tb=160;41=\$8k					
<b>442 - Kirk Key Interlocks</b>															
442-1-2	Kirk Keys-Dsn	02OCT06*	41	29NOV06	290			0.00	16,339.60	EA/DM =80hr ; EE/EM =40hr ;					
442-1-4	Kirk Keys-Procure	30NOV06	158	19JUL07	290			0.00	13,710.00	41=10\$k ;					
442-1-6	Kirk Keys-Install	20JUL07	40	14SEP07	290			0.00	44,123.84	EE/EM =16hr ; EE/SM =16hr ; EE/TB =60hr ;					
442-1-8	Kirk Keys-Commission	01OCT07	30	09NOV07	290			0.00	7,202.24	EE/EM =16hr ; EE/SM =20hr ; EE/TB =20hr ;					
<b>443 - Real Time Control Systems</b>															
443-1-2	Develop Control Algorithms-Dsn	23APR07*	142	09NOV07	274			0.00	13,819.68	EE/EM =80hr ;					
<b>444 - Instrument Systems</b>															
444-2-2	DC Potential Transducers (DCPTs)-Dsn	02OCT06*	95	21FEB07	466			0.00	11,224.08	EA/DM =60hr ; EE/EM =24hr ;					
444-2-4	DC Potential Transducers (DCPTs)-Procure	22FEB07	109	26JUL07	466			0.00	8,226.00	41=6k ;					
444-2-6	DC Potential Transducers (DCPTs)-Install	27JUL07	51	08OCT07	466			0.00	19,328.29	EE/EM =16hr ; EE/SM =24hr ; EE/TB =160hr ;					
444-2-8	DC Potential Transducers (DCPTs)-Commission	09OCT07	40	05DEC07	466			0.00	12,588.60	EE/EM =24hr ; EE/SM =24hr ; EE/TB =60hr ;					
444-3-2	DC Shunts-Dsn	02OCT06*	122	30MAR07	463			0.00	16,339.60	VANKIRK =80hr ; Raki =40hr ;					
444-3-4	DC Shunts-Procure	02APR07	101	22AUG07	463			0.00	61,695.00	41=45\$k ;					
444-3-6	DC Shunts-Install	23AUG07	51	02NOV07	463			0.00	55,304.86	EE/EM =32hr ; EE/SM =64hr ; EE/TB =160hr ; 41=20 kpowers					
444-3-8	DC Shunts-Commission	05NOV07	24	10DEC07	463			0.00	17,754.00	EE/EM =24hr ; EE/SM =24hr ; EE/TB =120hr ;					
444-4-2	Signal Conditioning & Cabling-Dsn	01JUL05A	165	28FEB07	454	8		3,365.94	42,074.20	EA/DM =80hr ; EE/EM =200hr ;					
444-4-4	Signal Conditioning & Cabling-Procure	01JUL05A	511	18JUL07	454	8		1,282.03	16,025.33	41=12\$k ;					
444-4-6	Signal Conditioning & Cabling-Install	15AUG07	68	19NOV07	454			0.00	27,988.59	EE/EM =24hr ; EE/TB =280hr ;					
444-4-8	Signal Conditioning & Cabling-Commission	20NOV07	22	21DEC07	454			0.00	17,226.72	EE/EM =48hr ; EE/SM =40hr ; EE/TB =40hr ;					
<b>445 - Coil Protection Systems</b>															
445-1-2	Ground Fault Protection-Dsn	02OCT06*	82	02FEB07	407			0.00	34,815.60	VANKIRK =120hr ; Raki =120hr ;					
445-1-4	Ground Fault Protection-Procure	27NOV06*	130	05JUN07	321			0.00	24,678.00	41=18\$k ;					
445-1-6	Ground Fault Protection-Install	06JUN07*	40	01AUG07	321			0.00	23,142.56	EE/EM =40hr ; EE/SM =48hr ; EE/TB =120hr ;					

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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget									
										FY06	FY07	FY08	FY09	FY10				
445-1-8	Ground Fault Protection-Commission	30AUG07	20	27SEP07	321			0.00	9,911.12									EE//EM =24hr ; EE//SM =24hr ; EE//TB =32hr ;
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	272	30SEP04A				1,054.90	1,054.90									
445-2-105	Overload Protect-Write spec and approve	01DEC06*	20	05JAN07	470			0.00	13,741.60									
445-2-110	Overload Protect-Design	08JAN07	80	27APR07	480			0.00	74,788.80									
445-2-115	Overload Protect-Fabr 4 chassis 120 modls	30APR07*	79	20AUG07	480			0.00	70,309.68									
445-2-120	Overload Protect-Test 4 units	21AUG07	20	18SEP07	480			0.00	24,095.20									
445-2-125	Overload Protect-Install & Rack wiring	19SEP07	20	16OCT07	480			0.00	46,195.73									
445-2-130	Overload Protect-Write & perform ISTP	17OCT07	20	13NOV07	480			0.00	24,744.00									
445-2-135	Overload Protect-Documentation	08JAN07*	180	19SEP07	519			0.00	25,808.40									
445-2-140	Overload Protection&cabling design,procure instl	01DEC06*	249	27NOV07	470			0.00	144,022.27									
FY05CV-36	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				49,000.00	49,000.00									

**45 - Power System Design and Integration**

**Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN**

**Prior Costs**

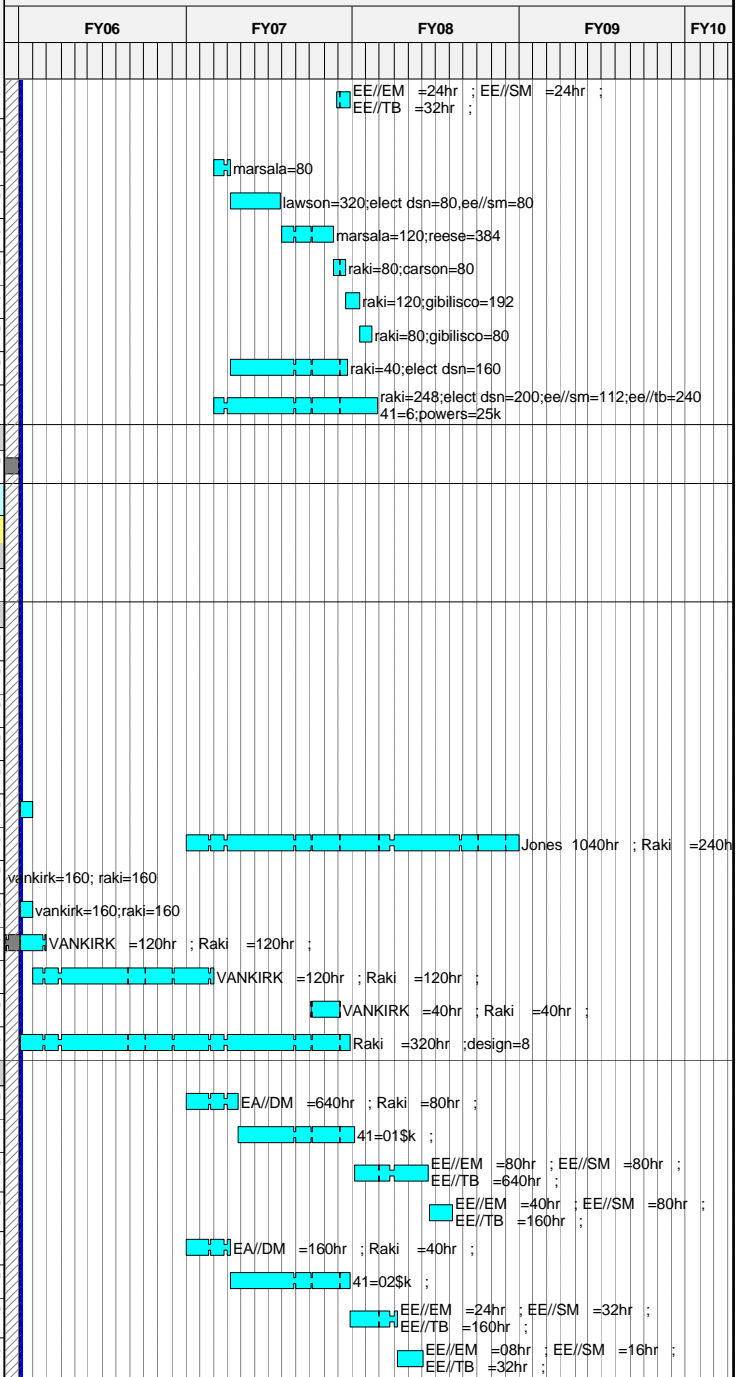
4501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A				100	112,340.00	112,340.00								
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**451 - System Design & Interfaces**

4501-100	Design Drawings	02FEB04A	193*	30SEP04A				100	19,807.80	19,807.80								
4501-110	Calculations-FY04	01MAR04A	151*	30SEP04A				100	0.00	0.00								
451-0-1	C-Site Decision	30APR04A	0	30APR04A				100	0.00	0.00								
451-7-2	FDR DC transmission-Dsn	01MAY04A	0*	28MAY04A				100	10,084.00	10,084.00								
451-7-20	FDR DC transmission		0	28MAY04A				100	0.00	0.00								
451-0-2	Develop SRD	03OCT05	21	31OCT05	989				0.00	0.00								
451-3-2	Dwgs,asbuilts -Elect Dsn	02OCT06*	500*	30SEP08	261				0.00	166,541.26								
451-2-1	CDR Power system -Dsn	01DEC04A	208*	31AUG05A				100	41,299.20	41,299.20								
451-2-2	PDR Power system -Dsn	03OCT05	21*	31OCT05	719				0.00	45,427.20								
451-6-2	FDR C-Site -Cabling	01SEP05A	62*	30NOV05	969	20			6,604.35	33,021.75								
451-2-2.1	FDR C-Site	01NOV05	270*	30NOV06	719				0.00	34,186.32								
451-4-2	FDR AC auxiliaries & grounding-Dsn	02JUL07*	45	04SEP07	530				0.00	11,605.20								
451-1-2	Calculations-Dsn	03OCT05*	498*	28SEP07	512				0.00	55,314.36								

**452 - Electrical Systems Support**

452-1-2	Diagnostics AC Power Distr-Dsn	03OCT06*	72	22JAN07	186				0.00	89,492.00								
452-1-4	Diagnostics AC Power Distr-Procure	23JAN07	182	08OCT07	186				0.00	1,372.12								
452-1-6	Diagnostics AC Power Distr-Install	09OCT07	105	13MAR08	186				0.00	79,841.60								
452-1-8	Diagnostics AC Power Distr-Commission	19MAR08	37	08MAY08	186				0.00	31,462.80								
452-2-2	Diagnostics sensor cabling-Dsn	03OCT06*	61	05JAN07	234				0.00	25,808.40								
452-2-4	Diagnostics sensor cabling-Procure	08JAN07	185	26SEP07	234				0.00	2,742.00								
452-2-6	Diagnostics sensor cabling-Install	27SEP07	65	07JAN08	234				0.00	22,242.90								
452-2-8	Diagnostics sensor cabling-Commission	08JAN08	40	03MAR08	234				0.00	6,292.56								



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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget						
										FY06	FY07	FY08	FY09	FY10	
<b>453 - System Testing (PTP's)</b>															
453-1-2	New Procedures	06OCT06*	90	20FEB07	345			0.00	69,631.20						
453-1-4	Preop Testing-Procure test equipt	21FEB07*	160	05OCT07	345			0.00	34,301.56						
453-1-8	Testing PTPs, ISTPs	19OCT07*	100	18MAR08	236			0.00	213,785.76						
FY05CV-37	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-52,000.00	-52,000.00						
<b>46 - FCPC Building Modifications</b>															
<b>Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN</b>															
<b>Prior Costs</b>															
4601-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A			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	239			0.00	6,260.40						
51-20	Final Network Design (Title II)	05DEC07	20	09JAN08	239			0.00	6,260.40						
51-30	Installation, Testing, Documentation (Title III)	10JAN08	120	26JUN08	239			0.00	267,865.10						
<b>52 - Central Instrumentation &amp; Control</b>															
<b>5201 - I&amp;C Systems</b>															
52-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	138			0.00	22,288.16						
52-20	Final Design (Title II)	06NOV07	87	17MAR08	138			0.00	54,935.01						
52-30	Installation, Testing, Documentation (Title III)	18MAR08	173	18NOV08	138			0.00	452,889.24						
<b>53 - Data Acquisition &amp; Facility Computing</b>															
<b>5301 - Data Acquisition</b>															
53-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	160			0.00	26,312.41						
53-20	Final Design (Title II)	06NOV07	65	14FEB08	160			0.00	51,648.30						
53-30	Coding, Configuration, Testing (Title III)	15FEB08	173	17OCT08	160			0.00	251,112.12						
<b>54 - Facility Timing &amp; Synchronization</b>															
<b>Job: 5401 - Facility Timing &amp; Synchronization</b>															
54-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	178			0.00	18,624.69						
54-20	Final Design (Title II)	06DEC07	65	13MAR08	178			0.00	21,285.36						
54-30	Installation, Testing, Documentation (Title III)	14MAR08	135	23SEP08	178			0.00	155,913.06						
<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	238			0.00	12,520.80						
55-20	Final Design (Title II)	06DEC07	20	10JAN08	238			0.00	12,520.80						
55-30	Installation, Testing, Documentation (Title III)	11JAN08	120	27JUN08	238			0.00	154,289.80						

EA/DM =240hr ; EE/EM =240hr ;  
 41=25\$K ;  
 EE/SM =240hr ; EE/TB =376hr ; ee/em=76

EC/EM =40hr ;  
 EC/EM =40hr ;  
 EA/DM =160hr ; EC/EM =220hr ;  
 EE/SM =740hr ; 41=82\$K ;

EC/EM =144hr ;  
 EC/EM =351hr ;  
 EC/SM =600hr ; EC/EM =1172hr ;  
 41=139\$K ;

EC/EM =170hr ;  
 EC/EM =330hr ;  
 EC/EM =1,080hr ; 41=57.7\$K ;

EC/EM =119hr ;  
 EC/EM =136hr ;  
 EC/SM =700hr ; EC/EM =306hr ;  
 41=19\$K ;

EC/EM =80hr ;  
 EC/EM =80hr ;  
 EC/EM =480hr ; EC/SM =500hr ;  
 41=15\$K ;

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget						
										FY06	FY07	FY08	FY09	FY10	
<b>56 - Central Safety Interlock Systems</b>															
<b>Job: 5601 - Central Safety Interlock Systems</b>															
56-10	Preliminary Design (Title I)	02OCT07*	87	11FEB08	183			0.00	21,285.36	EC//EM =136hr ;					
56-20	Final Design (Title II)	12FEB08	45	14APR08	183			0.00	21,285.36	EC//EM =136hr ;					
56-30	Installation, Testing, Documentation (Title III)	15APR08	108	16SEP08	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		03OCT05	0	30SEP05	1,010			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			LOE	11,900.00	11,900.00						
51-01	FY04 LOE support	01OCT03A	250*	30SEP04A			LOE	16,000.00	16,000.00						
51-02	FY05 LOE support	01OCT04A	249*	30SEP05A			LOE	12,462.26	12,462.26	EC//EM =86hr ;					
FY05CV-38	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-7,000.00	-7,000.00						
<b>6 - Facility Systems</b>															
<b>61 - Water Systems</b>															
<b>Job:6101 - Water Systems</b>															
<b>613 - Vacuum Pumping System</b>															
623.011	Design WBS 612	01NOV07*	59	01FEB08	210			0.00	24,290.40	em/em=80; ea/dm=80					
623.013	FDR WBS 612		0	01FEB08	210			0.00	0.00						
632.021	WBS 612 Assembly/Fabrication/Installation	04FEB08	40	28MAR08	210			0.00	67,981.38	em/em=80; em/tb=288; 41=\$20.5k					
<b>613 - Vacuum Pumping System</b>															
623.012	PDR WBS 612	17DEC07	0		239			0.00	0.00						
<b>62 - Cryogenic Systems</b>															
<b>Job: 6201 - Cryogenic Systems</b>															
<b>621 - LN2-LHe Supply System</b>															
631-001	Preliminary Design	02JUL07*	65	02OCT07	252			0.00	15,792.79	EM//EM =89hr ;					
631-010	Final Design**reduced scope	03OCT07	65	11JAN08	252			0.00	18,149.92	EM//EM =89hr ; EA//DM =176-160=16hr ;					
631-020	Procurement **reduced scope	14JAN08	88	14MAY08	252			0.00	123,078.00	41=88\$K -51.4=36.6 ;					
631-015	Fab/Assy/Installation**reduced scope	10MAR08	65	09JUN08	252			0.00	71,991.50	EM//EM =89hr ; EM//SM =140-116=24hr ; EM//TB =580-170=410hr ;					
<b>622 - LN2 Coil Cooling Supply</b>															
632-001	**deleted scope	03OCT05	0	30SEP05	1,010			0.00	0.00						
<b>623 - GN2 Cryostat Cooling System</b>															
633-001	Preliminary Design	02JUL07*	40	27AUG07	262			0.00	15,779.70	EM//EM =89hr ;					
633-020	Procurement	14NOV07	130	23MAY08	262			0.00	112,329.75	41=80\$K ;					
633-010	Final Design	28AUG07	55	13NOV07	262			0.00	25,644.50	EM//EM =89hr ; EA//DM =80hr ;					
633-015	Fab/Assy/Installation	23JAN08	88	23MAY08	262			0.00	72,266.88	EM//EM =89hr ; EM//TB =656hr ;					

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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
<b>63 - Utility Systems</b>															
<b>Job: 6301 - Utility Systems</b>															
640.011	Design GN2, Air & Vent Systems	01OCT07*	59	01JAN08	251			0.00	34,014.40						
640.021	Assembly/Fabrication	02JAN08	40	26FEB08	251			0.00	72,889.52						
<b>64 - PFC/VV Heating &amp; Cooling*ELIMINATED*</b>															
<b>Job: 6401 - PFC/VV Heating &amp; Cooling</b>															
650.001	Eliminated scope	03OCT05	0	30SEP05	1,010			0.00	0.00						
<b>65 - Facility Systems Integration</b>															
<b>Job: 6163 - Facility Systems Support FY04</b>															
65-03	LOE WBS 6	01OCT03A	250*	30SEP04A			LOE	15,000.00	15,000.00						
<b>Job: 6501 - Facility Systems Integration-DUDEK</b>															
<b>Prior Costs</b>															
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	0	30SEP03A			100	9,380.00	9,380.00						
<b>7 - Test Cell Preparation and Machine Assy</b>															
<b>71 - Shield Wall Seismic Modifications</b>															
<b>Job: 7101 - Shield Wall Modif Design-PERRY</b>															
<b>Prior Costs</b>															
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A			100	32,150.00	32,150.00						
<b>72 - Control Room Refurbishment</b>															
<b>Job: 7201 - Control Room Walls&amp;Floors-PERRY</b>															
710.001	Install Wall east side control room	02OCT06*	24	02NOV06	719			0.00	0.00						
711B.050	Complete Control Room Flooring	03NOV06*	18	30NOV06	719			0.00	9,097.92						
<b>73 - Platform Design &amp; Fabrication</b>															
<b>Job: 7301 - Platform Design &amp; Fab-PERRY</b>															
712.008	Update Platform Specification	01JUN05A	0*	30JUN05A			100	6,416.80	6,416.80						
712.010	Final Design	02MAY05A	43*	30JUN05A			100	53,163.80	53,163.80						
711A.040	Platform nut plates	01APR05A	187*	22DEC06	703		90	26,201.62	29,112.91						
712.020	Platform Parts	02OCT06*	22	31OCT06	743			0.00	25,591.00						
712.030	Miscs Hardware/Material	01JUL05A	83*	31OCT06	393		80	36,390.44	45,488.05						
FY05CV-39	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-50,000.00	-50,000.00						
<b>74 - Machine Assembly Planning and Oversight</b>															
<b>Job: 7401 - TC Prep &amp; Mach Assy Planning-PERRY</b>															
<b>Oversight and Supervision</b>															
711A.020	LOE FY04	01OCT03A	256*	30SEP04A			LOE	148,582.46	148,582.46						
<b>Prior Costs</b>															
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A			100	164,000.00	164,000.00						
<b>Project Scope</b>															
714.010	LOE FY05	01OCT04A	249*	30SEP05A			LOE	109,972.42	109,972.42						

em/em=80; ea/dm=160  
em/em=48; em/tb=458; 41=\$17.40k

Funded by GPP \*\*ECP34\*\*  
ee/sm Edwards=24 hrs;  
tucker jr =36 voorhees=36

em/tb mech shop =360 hrs;41=\$1k  
PERRY=410;em/sm=23;em/tb=250  
41=\$35k

PERRY=449;semler=176;edwards=176

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ECP-38 baseline  
Progress Bar  
Critical Activity

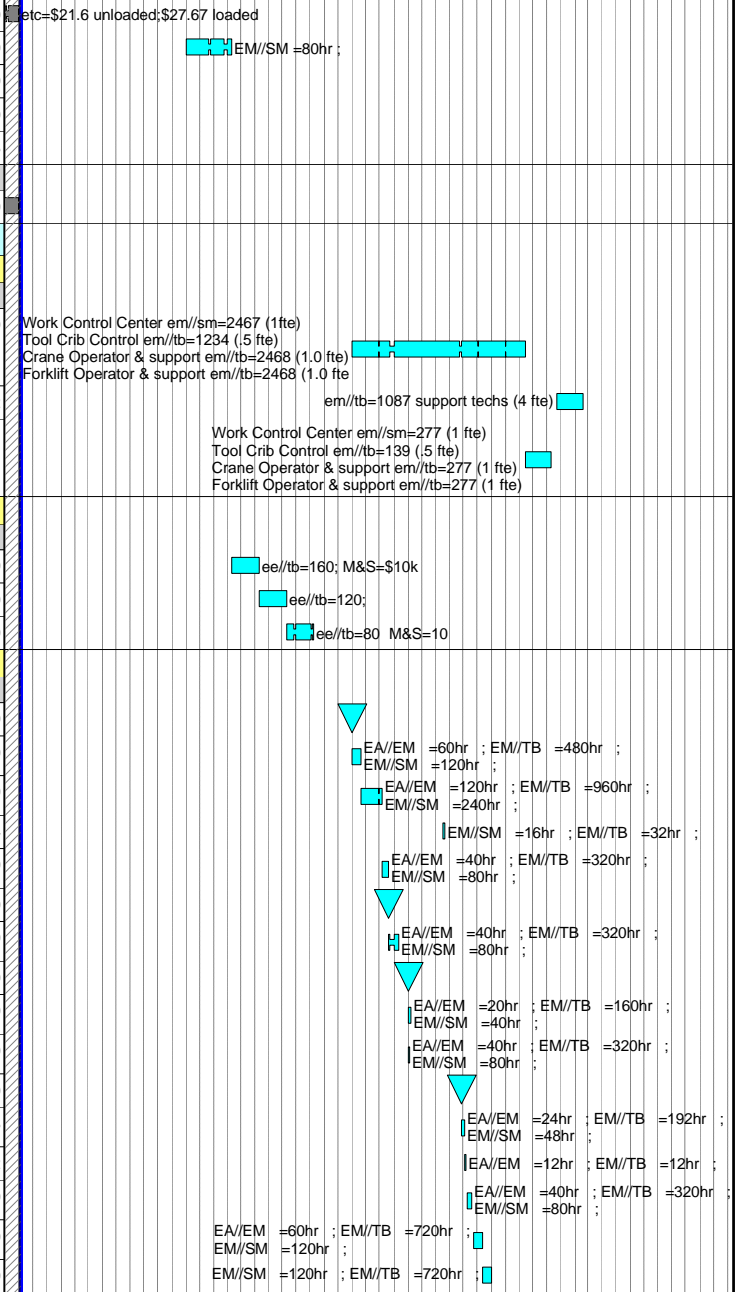
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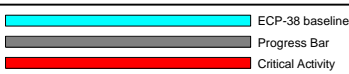
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Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
714.020	LOE FY06 prior to asy starting	02OCT06*	187	02JUL07	574			0.00	53,510.98						
714.030	LOE FY07 thru first plasma	02JUL07*	444	31MAR09	131			0.00	877,620.95						
<b>FED/Infrastructure Support (non Project cost)</b>															
613.010	Remove Shield Walls ** GPP **	01APR04A	64	22JUN04A			100	0.00	0.00						
613.015	Fabricate New Bottom Course of Blocks **GPP**	01APR04A	207	31JAN05A			100	0.00	0.00						
613.017	Install New Bottom Course **GPP**	01AUG05A	0	31AUG05A			100	0.00	0.00						
613.020	Remove south PLT shielding (cc 7230)	01JUN04A	0	22JUN04A			100	0.00	0.00						
613.025	Dispose of old south PLT shielding **GPP**	01AUG04A	0	31AUG04A			100	0.00	0.00						
EXFAC003	Clear PBX control room & Safe PBX (cc7230)	27JAN03A	110	30JUN03A			100	0.00	0.00						
EXFAC004	Remove Fire protection PLT wall (cc7230)	01MAY03A	21	09MAY03A			100	0.00	0.00						
EXFAC005	Remove Fire Protection under platform (cc7230)	01APR03A	21	30APR03A			100	0.00	0.00						
EXFAC006	Remove Fire Protection Control rm walls(cc7230)	01MAY03A	21	09MAY03A			100	0.00	0.00						
EXFAC007	Remove PBX Base Plates cc7230)	25FEB04A	48	12MAR04A			100	0.00	0.00						
GPP001	GPP-Upgarde C-Site central chilled wtr plant*TBD	01OCT02A	1	01OCT02A			100	0.00	0.00						
GPP004	GPP-Roofing Design	01APR04A	291	31MAY05A			100	0.00	0.00						
GPP004.1	GPP-Roofing Install	01MAY05A	0	31MAY05A			100	0.00	0.00						
GPP005	GPP-Test Cell lighting Design	01APR04A	206	31JAN05A			100	0.00	0.00						
GPP005.1	GPP-Test Cell lighting Install ***TBD***	02MAY05A	0	31MAY05A			100	0.00	0.00						
GPP006	GPP-Test Cell HVAC/dew point control Design*TBD	03OCT05	0	30SEP05	1,010			0.00	0.00						
GPP006.1	GPP-Test Cell HVAC/dew point control InstallTBD	03OCT05*	0	30SEP05	1,010			0.00	0.00						
GPP007	GPP-C-Site elevators Design	03OCT05*	0	30SEP05	1,010			0.00	0.00						
GPP007.1	GPP-C-Site elevators Install	03OCT05	0	30SEP05	1,010			0.00	0.00						
GPP008	GPP-Fire suppression high bay design*TBD*	03OCT05	0	30SEP05	1,010			0.00	0.00						
GPP008.1	GPP-Fire suppression high bay install*TBD*	03OCT05	0	30SEP05	1,010			0.00	0.00						
GPP009	Control Room Lights & Outlets design*TBD*	03OCT05	0	30SEP05	946			0.00	0.00						
GPP009.1	Control Room Lights & Outlets install*TBD*	03OCT05	0	30SEP05	946			0.00	0.00						
GPP010	Control Room HVAC Design **TBD**	03OCT05	0	30SEP05	946			0.00	0.00						
GPP010.1	Control Room HVAC Install **TBD**	03OCT05	0	30SEP05	946			0.00	0.00						
GPP011	Control Room Ceiling Design	03OCT05*	64	10JAN06	882			0.00	0.00						
GPP011.1	Control Room Ceiling Install	11JAN06	64	10APR06	882			0.00	0.00						
GPP012	Control Rm Fire Detection & Suppression Design	03OCT05*	0	30SEP05	882			0.00	0.00						
GPP012.1	Control Rm Fire Detection & Suppression Install	03OCT05	64	10JAN06	882			0.00	0.00						
<b>Test Cell Modifications &amp; Upgrades</b>															
714.020X	TC power instl	01AUG05A	436	30SEP05A				63,673.65	63,673.65						
613.030	Test Cell copper ground plane cuts	01JUL05A	87	01NOV05	993	80		8,364.91	10,456.14						
713.010	General procurements	02APR05A	128	30SEP05A			LOE	19,215.00	19,215.00						
7502-000	Outlet Design	02FEB04A	107	30JUN04A			100	25,272.00	25,272.00						
7502-001	Test Cell 110v outlets	01APR05A	169	30NOV05	969	50		8,851.49	17,702.97						
7502-002	Test Cell 208v outlets	01APR05A	169	30NOV05	969	50		4,425.74	8,851.48						
7502-003	Install 480v power in test cell	01SEP05A	0	30SEP05A			100	0.00	0.00						

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year							
										FY06	FY07	FY08	FY09	FY10			
7502-004	Install 120v panels in test cell	01SEP05A	0'	30SEP05A			100	0.00	0.00								
7502-010	Ready Rooms (under control room) 110v outlets	02OCT06*	65	10JAN07	570			0.00	10,480.00								
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0'	31OCT03A			100	9,937.20	9,937.20								
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A			100	16,848.00	16,848.00								
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0'	30JAN04A			100	37,608.48	37,608.48								
FY05CV-40	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				178,000.00	178,000.00								
<b>75 - Test Cell and Basement Assembly Operations</b>																	
<b>7501 - Construction Support Crew</b>																	
7501-05	Construction Support Crew during machine assy	01OCT07*	260	13OCT08	164			0.00	861,133.69								
7501-06	Construction Support Crew during e-beam mapping	24DEC08*	41	18FEB09	160			0.00	99,199.62								
7501-07	Construction Support Crew during cryostat instl	15OCT08*	40	09DEC08	211			0.00	103,081.21								
<b>7502 - Test Cell Facility Preparations</b>																	
7502-020	Resurface TC floor	11JAN07*	42	09MAR07	570			0.00	34,670.00								
7502-030	TC Floor firesealing	12MAR07	42	08MAY07	570			0.00	15,720.00								
7502-035	Control room firesealing	09MAY07	42	09JUL07	570			0.00	24,190.00								
<b>7503 - Machine Assembly</b>																	
<b>Revised Assembly Logic (ecp18)</b>																	
7503-010	Begin Assembly Activities	01OCT07*	0		164			0.00	0.00								
7503-020	Install & Level Support Base Plates	01OCT07	15	19OCT07	225			0.00	68,122.20								
7503-030	Install/Level FPA's and Spool Piece supports	22OCT07	30	04DEC07	225			0.00	136,244.40								
7503-060	Install Lower PF 4,5&6 into prelim position	18APR08	2	21APR08	148			0.00	4,887.04								
7503-070	Install 3 Spool Pieces on fixt & test movement	05DEC07	10	18DEC07	225			0.00	45,414.80								
7503-080	FPA-1 Installed on support platform		0	18DEC07	225			0.00	0.00								
7503-090	Install local Platforms around FPA-1	19DEC07	10	10JAN08	226			0.00	45,414.80								
7503-110	FPA-2 Installed on support platform		0	30JAN08	201			0.00	0.00								
7503-120	Test movement of FPA-1& -2 & position checks.	31JAN08	5	06FEB08	201			0.00	22,707.40								
7503-130	Install local Platforms around FPA-2	31JAN08	3	04FEB08	209			0.00	45,414.80								
7503-150	FPA-3 Installed on support platform		0	26MAY08	123			0.00	0.00								
7503-160	Position all FPA's / Spool Pieces @ MC Interface	27MAY08	6	03JUN08	123			0.00	27,248.88								
7503-170	FPA Metrology Checks to Assure Alignment	04JUN08	3	06JUN08	123			0.00	3,217.32								
7503-190	Install local Platforms around FPA-3	09JUN08	10	20JUN08	123			0.00	45,414.80								
7503-180	MC Interfaces: shim, ream holes ,bolt together	23JUN08	15	11JUL08	123			0.00	88,632.60								
7503-200	Mate-up and weld all VV-to-Spool interfaces	14JUL08	15	01AUG08	123			0.00	77,673.60								



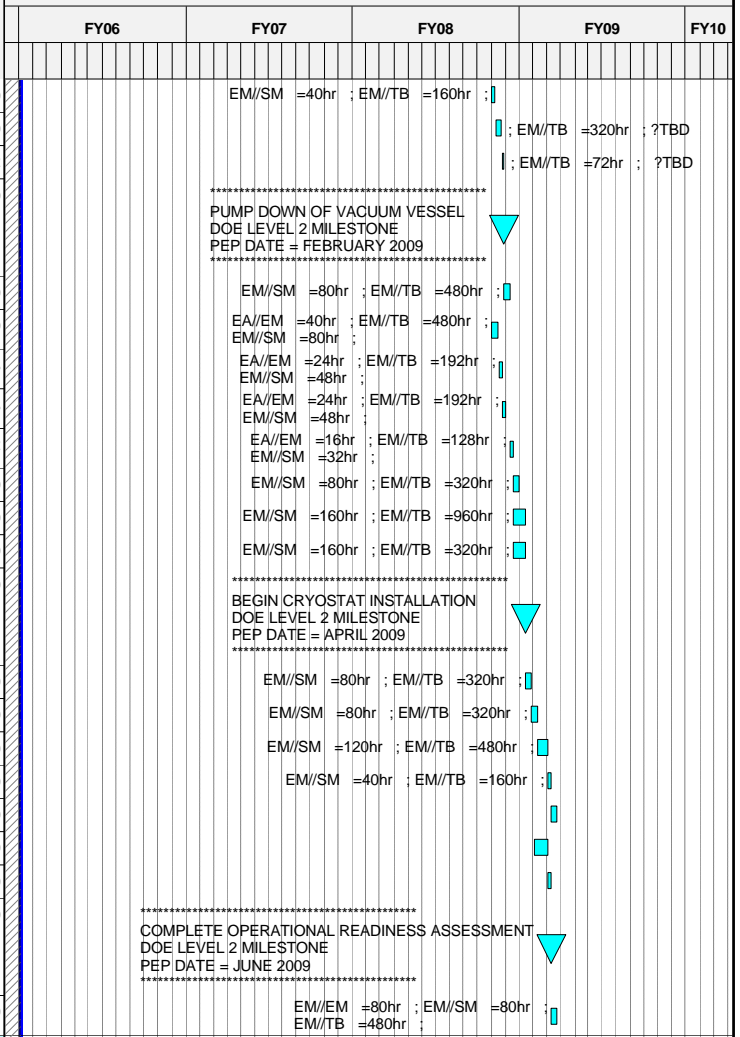
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ECP-39 Baseline

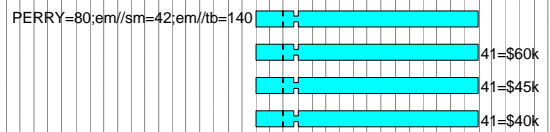
Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year				
										FY06	FY07	FY08	FY09	FY10
7503-240	Bolt on preassembled pump duct	04AUG08	5	08AUG08	123			0.00	19,054.40					
7503-240.1	Install insulation boots	11AUG08	10	22AUG08	123			0.00	27,347.20					
7503-240.2	Install insulation	25AUG08	3	27AUG08	123			0.00	6,153.12					
7503-250	Begin Vac Vsl Pumpdown	28AUG08	0		123			0.00	0.00					
7503-260	PTP Pumpdown & leak check VV	28AUG08	10	10SEP08	123			0.00	51,782.40					
7503-210	Fit-up all TF coils	04AUG08	10	15AUG08	129			0.00	59,088.40					
7503-270	Raise lower PF 4,5&6 coils into final position	18AUG08	6	25AUG08	129			0.00	27,248.88					
7503-280	Install Upper PF 4,5 & 6 coils	26AUG08	6	02SEP08	129			0.00	27,248.88					
7503-290	Install PF Solenoid into position (U/L PF1,2,3)	11SEP08	4	16SEP08	123			0.00	18,165.92					
7503-310	Complete LN2 connections	17SEP08	10	30SEP08	133			0.00	38,108.80					
7503-320	Complete Elect Pwr connections	17SEP08	20	14OCT08	123			0.00	107,079.20					
7503-321	Complete mag diag & machine I&C	17SEP08	20	14OCT08	123			0.00	50,528.80					
7503-330	Begin Cryostat Installation	15OCT08	0		123			0.00	0.00					
7503-340	Install Cryostat Base, vapor barrie& port boots	15OCT08	10	28OCT08	123			0.00	40,695.20					
7503-350	Install Cryostat upper section,VB and port boots	29OCT08	10	11NOV08	123			0.00	40,695.20					
7503-360	Install Midplane Cryostat sections and port boot	12NOV08	15	02DEC08	123			0.00	61,042.80					
7503-370	Install Cryostat Circulation Duct	03DEC08	5	09DEC08	123			0.00	20,347.60					
730.8200Z	PTP and Cooldown (dup of 730.8200)	10DEC08	10	23DEC08	201			0.00	0.00					
730.1248	ACC Review	05NOV08	20	02DEC08	123			0.00	0.00					
730.1249	PSO Operational Readiness Assessment	03DEC08	5	09DEC08	123			0.00	0.00					
730.1250	PSO Operational Readiness Assessment		0	09DEC08	123			0.00	0.00					
730.8200	PTP and Cooldown	10DEC08	10	23DEC08	123			0.00	70,850.40					



**76 - Tooling Design & Fabrication**

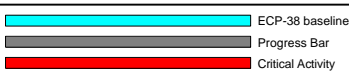
**Job: 7601 - Tooling Design & Fabrication**

713.020	Lab Fab/Assy/Installation	01OCT07*	341*	30JAN09	173			0.00	32,743.91					
713.030	Tooling,assy fixtures,misc equipt	01OCT07*	341*	30JAN09	173			0.00	84,841.94					
713.040	General procurements	01OCT07*	341*	30JAN09	173			0.00	63,631.45					
713.050	Welding tools, materials & equipt	01OCT07*	341*	30JAN09	173			0.00	56,561.29					



Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
<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				0.00	0.00						
810.009	PDR Support	01OCT03A	3*	31OCT03A			100	41,163.08	41,163.08						
M-0115	CD-3		0	16SEP04A				0.00	0.00						
810.002	Project Management Office PPPL FY04	01OCT03A	256*	30SEP04A			LOE	685,961.70	685,961.70						
810.002E	Project Management Office PPPL FY04 ECP24	01OCT03A	256*	30SEP04A			LOE	146,000.00	146,000.00						
<b>Prior Costs</b>															
810.001	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	387,340.00	387,340.00						
810.003	Project Management Office PPPL FY05	01OCT04A	251*	30SEP05A			LOE	696,116.95	696,116.95	Hutch=1502 =;41=06\$K ; ;35=08\$K ; ;strykowsky=1503hr ; pam =1040hr;phil=173 schmidt=141					
810.004	Project Management Office PPPL FY06	03OCT05*	250*	29SEP06	765			0.00	634,642.72	hutch=1503 85% 41=06\$K ; ;35=08\$K ; ;strykowsky=1592 90% ;pam=312 15% ;phil=0%					
810.005	Project Management Office PPPL FY07	02OCT06*	251*	28SEP07	514			0.00	662,100.12	hutch=1503 85% ; ;strykowsky=1592 90% ;pam=832 40%					
810.900	Project Management Office PPPL FY08	01OCT07*	253*	30SEP08	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	88			0.00	132,273.00	hutch=300 17% ; ;strykowsky=300 17% ; ;35=1					
FY05CV-41	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-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			LOE	88,000.00	88,000.00						
<b>Prior Costs</b>															
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A			100	58,600.00	58,600.00						
810.103	Project Management Office ORNL FY05	01OCT04A	251*	30SEP05A			LOE	95,368.98	95,368.98	ORNLRM =354hr; ornlam=178 ; ORNL41 =02\$ ; ORNL35 =03\$ ;					
810.104	Project Management Office ORNL FY06	03OCT05*	250*	29SEP06	514			0.00	173,610.65	ORNLRM =850hr Lyon 50% ; ORNL41 =2\$ ornlam=95 Admin 5%					
810.104X	Project Management Office ORNL FY07	02OCT06	251*	28SEP07	514			0.00	50,514.32	ORNLRM =180hr 10% ; ORNL41 =2\$ ornlam=88 5%					
810.105X	Project Management Office ORNL FY08	02OCT07*	251*	29SEP08	262			0.00	36,664.00	ORNLRM =180hr 10% ; ORNL41 =2\$ ornlam=88 5%					
FY05CV-42	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				13,000.00	13,000.00						
<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			LOE	601,555.68	601,555.68						
8202-ECP16	ecp16	01OCT03A	256*	30SEP04A			LOE	68,000.00	68,000.00						
<b>Prior Costs</b>															
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	295,530.00	295,530.00						

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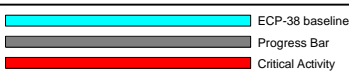
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ECP-39 Baseline

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Progress					
										FY06	FY07	FY08	FY09	FY10	
820.003	Proj engr FY05	01OCT04A	251*	30SEP05A			LOE	469,631.02	469,631.02	wayne=1640 95%; dudek=518 40%;35=7k such=173; gentile=86					
820.004	Proj engr FY06	03OCT05*	250*	29SEP06	765			0.00	440,965.54	wayne=1553 90%;35=5k;dudek=690 40% such=431 25%					
820.04X	Proj engr FY07	02OCT06*	248*	25SEP07	517			0.00	239,641.12	wayne=1036;35=5k;dudek=173 such=173					
820.004Z	Proj engr FY08	02OCT07*	249*	25SEP08	264			0.00	245,966.08	wayne=1036;35=5k;dudek=173 such=173					
820.005	Proj engr FY09	01OCT08*	173*	29MAY09	88			0.00	62,798.72	wayne=293 17%;35=3					
8205FY05	System Engr Support FY05	01OCT04A	251*	30SEP05A			LOE	199,622.00	199,622.00	simmons=1208 70%					
8205FY06	Systems Engineering Support FY06	03OCT05*	250*	29SEP06	765			0.00	184,677.66	simmons=1061 60%					
FY05CV-44	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-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			LOE	247,570.20	247,570.20						
8203-ECP16	ecp16	01OCT03A	256*	30SEP04A			LOE	125,000.00	125,000.00						
<b>Prior Costs</b>															
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	178,750.00	178,750.00						
8203FY05	Design Integration FY05 LOE	01OCT04A	251*	30SEP05A				171,028.50	171,028.50	messineo=1035; brown=285 17%					
8203-01	General Design Integration	01OCT04A	251*	30SEP05A			LOE	0.00	0.00						
8203-02	Suprt interface aux sys dev&coolant/lead routing	01OCT04A	251*	30SEP05A			LOE	0.00	0.00						
8203-03	Develop /maintain Pro/E model of NCSX facility	01OCT04A	251*	30SEP05A			LOE	0.00	0.00						
8203-04	Support metrology efforts	01OCT04A	251*	30SEP05A			LOE	0.00	0.00						
8203-06	Complt rvw of machine assembly approach	03OCT05*	4	06OCT05	1,011			0.00	0.00						
8203-07	Rvw cryostat & conventional magnet sys design	03OCT05*	9	13OCT05	1,006			0.00	0.00						
8203-08	tollerance reqmnts for MCsuprt install fixt dwgs	03OCT05*	39	28NOV05	976			0.00	0.00						
8203-09	Machine suprt dsn t/compatibility with assy reqt	03OCT05*	12	18OCT05	1,003			0.00	0.00						
8203-10	Dynamic simul MC half period install fixt w/ Pro	03OCT05*	42	01DEC05	973			0.00	0.00						
8203-11	Document NCSX Interlink& dwg control process	03OCT05*	11	17OCT05	1,004			0.00	0.00						
8203-12	Update definition VV spool piece assy simul	03OCT05*	19	27OCT05	996			0.00	0.00						
8203FY06	Design Integration FY06	03OCT05*	250*	29SEP06	765			0.00	140,201.64	ea//sm=432 25% brown=518 30%					
8203FY07	Design Integration FY07	02OCT06*	252*	01OCT07	513			0.00	132,979.90	ea//sm=345 brown=518;					
FY05CV-45	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-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			LOE	133,179.00	133,179.00						
8204.01	Assess magnetic material in test cell	02FEB04A	85*	28MAY04A			100	37,080.00	37,080.00						
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A			100	18,540.00	18,540.00						
<b>Prior Costs</b>															
820.173	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	44,620.00	44,620.00						

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ECP-39 Baseline



Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days=1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
8204FY05	Systems Analysis FY05	01OCT04A	251*	30SEP05A			LOE	256,633.25	256,633.25	brooks=1553 90%					
8204FY06	Systems Analysis FY06	03OCT05*	250*	29SEP06	765			0.00	225,407.70	brooks=1295 75%					
FY05CV-46	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				9,000.00	9,000.00						
<b>Job: 8205 - Dimensional Control Coordination</b>															
<b>Metrology</b>															
740.135	Gary Puhl subcontract for metrology support	30SEP05A	77	30SEP05A				12,810.00	12,810.00	m&s=\$10k					
METFY05	Dimensional control FY05 ECP24	01FEB05A	172*	30SEP05A			LOE	96,648.84	96,648.84	stratton=320 50%					
FY05CV-47	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A				-20,000.00	-20,000.00						
METFY06R	Metrology for FP & machine assy FY06	03OCT05*	250*	29SEP06	765			0.00	189,307.03	raftoplous (measurement) 25%=415hrs stratton=707 hrs 40%					
METFY07R	Metrology for FP & machine assy FY07	03OCT06*	251*	01OCT07	513			0.00	74,115.10	raftoplous (measurement) 25%=415hrs					
METFY08R	Metrology for FP & machine assy FY08	03OCT07*	250*	29SEP08	262			0.00	75,799.75	raftoplous (measurement) 25%=415hrs					
<b>84 - Project Physics</b>															
<b>Job: 8401 - Project Physics-ZARNSTORFF</b>															
<b>FY04 Actual Cost</b>															
840.202	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A			LOE	99,806.20	99,806.20						
840.203	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A			LOE	14,000.00	14,000.00						
<b>Prior Costs</b>															
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			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			LOE	60,876.00	60,876.00						
840.303	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A			LOE	44,000.00	44,000.00						
<b>Prior Costs</b>															
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A			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	123			0.00	486,475.31	em//em=1516,em//sm=1516					
920.000	Startup Personnel	03NOV08	72	10FEB09	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//m2=490, ee//tb=864					
920.004	Begin Start-up Testing	24DEC08	0		123			0.00	0.00	***** BEGIN STARTUP TESTING DOE LEVEL 2 MILESTONE PEP DATE = JUNE 2009 *****					
920.005	Punch list, Cmpl't PTP's, Reconfig, Rm temp Hi-pot	03NOV08	37	23DEC08	123			0.00	0.00						
920.010	Field Coil Testing, FCPC test & E-Beam Mapping	24DEC08	25	27JAN09	123			0.00	0.00						
920.020	Final ISTEP	28JAN09	7	05FEB09	123			0.00	0.00						
920.021	Operations Approval	06FEB09	3	10FEB09	123			0.00	0.00						
730.9000	First Plasma		0	10FEB09	123			0.00	0.00	***** COMPLETE CD-4 FIRST PLASMA DOE LEVEL 1 MILESTONE PEP DATE = JULY 2009 *****					

Activity ID	Activity Description	Baseline Start	Duration (work days)	Baseline Finish	Total Float in days (21 days= 1 mo.)	Shifts	Pct Complete as of 10/1/05	Earned value (BCWP)	Proposed PMB Budget	Fiscal Year					
										FY06	FY07	FY08	FY09	FY10	
M-0120	CD-4 First Plasma		0	31JUL09*	0			0.00	0.00						
<b>Allocations</b>															
<b>PPPL Allocations</b>															
<b>Job: 8998 - Allocations</b>															
<b>FY04 Actual Cost</b>															
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A			LOE	260,691.00	260,691.00						
<b>Prior Costs</b>															
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	112,000.00	112,000.00						
99.05	PPPL Allocations FY05	20OCT04A	251*	30SEP05A			LOE	302,697.00	302,697.00						
99.05P	PPPL Allocations FY05 rebaeline re-estimate	01OCT04A	251*	30SEP05A			LOE	48,151.80	48,151.80						
99.06	PPPL Allocations FY06	03OCT05*	250*	29SEP06	765			0.00	329,764.50						
99.07	PPPL Allocations FY07	02OCT06*	252*	01OCT07	513			0.00	332,787.30						
99.08	PPPL Allocations FY08	01OCT07*	252*	29SEP08	262			0.00	166,336.61						
FY05CV-43	FY05 unrecoverable cost variance	01OCT04A	251*	30SEP05A				56,000.00	56,000.00						
<b>Contingency</b>															
<b>Contingency-Project</b>															
99.105	Contingency FY05	03OCT05*	0*	30SEP05	1,015			0.00	0.00						
99.106D	Contingency FY06	03OCT05*	250*	29SEP06	765			0.00	669,697.78						
99.107	Contingency FY07	02OCT06*	251*	28SEP07	514			0.00	1,804,000.00						
99.108	Contingency FY08	01OCT07*	253*	30SEP08	261			0.00	4,618,000.00						
99.109	Contingency FY09	01OCT08*	108*	27FEB09	153			0.00	1,051,000.00						
1361RISK	JOB 1361 RISK	02OCT06*	330*	31JAN08	431			0.00	448,084.76						
1411RISK	JOB 1411 RISK	03JUL06*	63*	29SEP06	761			0.00	360,000.00						
1451RISK	JOB 1451 RISK	03MAR06*	416*	25OCT07	493			0.00	661,098.86						
<b>DCMA</b>															
<b>DCMA</b>															
DCMAFY04	DCMA	01OCT03A	256*	30SEP04A				75,000.00	75,000.00						

