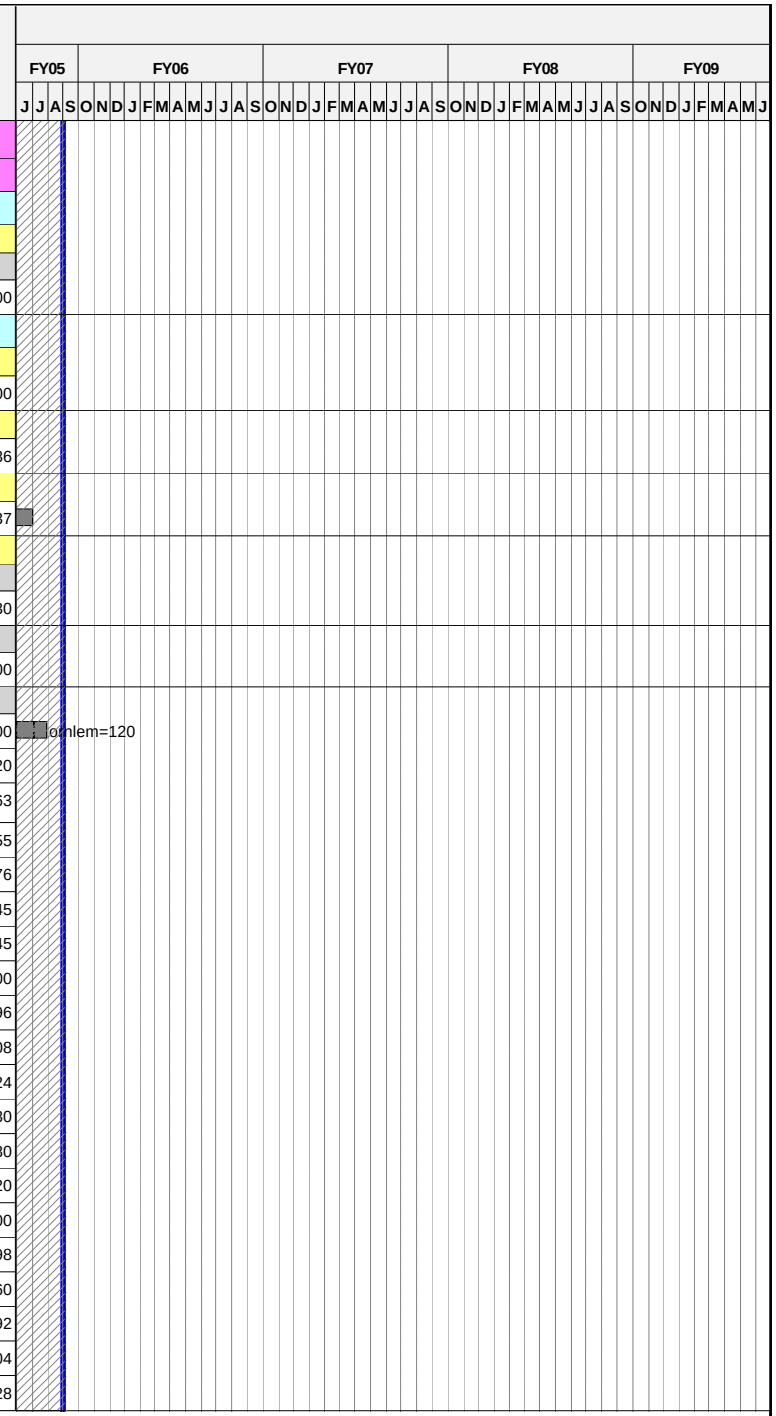
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
cc 9450 - NCSX Fabrication (MIE)										
1 - Stellarator Core Systems										
11 - In-Vessel Components										
Job: 1101 - Limiter Adv Conc/Prel Dsn-CLOSED***										
Prior Costs										
1101-100	Update Conceptual Design	15JUL03A	78*	30SEP03A			100	60.00	0	60.00
12 - Vacuum Vessel Systems										
+ Job: 1201 - Vacuum Vessel Prelim Dsn-CLOSED****										
		01APR03A	133	07OCT03A			100	424,420.00	0	424,420.00
+ Job: 1202 - Vacuum Vessel R&D **CLOSED**										
		01APR03A	385	30SEP04A				,791,181.86		1,791,181.86
+ Job: 1206 - VV Field Weld Joint R&D-CLOSED****										
		29APR04A	298	30JUN05A				17,639.37	40	17,639.37
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON										
+ Closeout PDR Design Deliverables										
		01OCT03A	235	31AUG04A			100	34,746.30	40	34,746.30
+ PDR Recommendations										
		01NOV03A	42	31DEC03A			100	25,738.00	40	25,738.00
Final Design Tasks										
120-100	Magnetic Diag Interface/Install dwgs	01FEB05A	133*	29JUL05A			100	18,600.00	30	18,600.00
1203-141	Finalize Spec for VVSA	01MAR04A	87*	30JUN04A			100	17,981.20	40	17,981.20
1203-151	Update VVSA Drawings incl ECP6 add'l port config	01DEC03A	149*	30JUN04A			100	202,403.63	40	202,403.63
1203-161	Finalize & Sign All ICDs	20NOV03A	363*	29APR05A			100	16,686.55	40	16,686.55
1203-181	Start Thermal Analyses	01NOV03A	82*	30JAN04A			100	22,144.76	40	22,144.76
1203-191	Start Eddy Current Analyses	03NOV03A	87*	30JAN04A			100	3,424.45	40	3,424.45
1203-201	Update/Perform FMECA Analyses	01MAR04A	284*	15APR05A			100	5,640.45	40	5,640.45
1203-202	Start Port Nozzle Analysis	02JAN04A	63*	30JAN04A			100	4,944.00	40	4,944.00
1203-232	Structural Analysis of Vac Vsl	01MAR04A	294*	29APR05A			100	94,239.96	40	94,239.96
1203-233	Check structural analysis	26APR04A	25*	28MAY04A			100	12,638.08	40	12,638.08
1203-234	Perform Global Seismic Analysis	01MAR04A	151*	31AUG04A			100	37,914.24	40	37,914.24
1203-235	Perform Local Thermal Analysis	02FEB04A	65*	30APR04A			100	15,442.80	40	15,442.80
1203-236	Checdk Local Thermal Analysis	02FEB04A	65*	30APR04A			100	15,442.80	40	15,442.80
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A			100	10,295.20	40	10,295.20
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A			100	12,360.00	40	12,360.00
1203-239	Perform Analysis of VV Supports	01MAR04A	294*	29APR05A			100	22,071.98	40	22,071.98
1203-240	Check Analysis of VV Supports	26APR04A	25*	28MAY04A			100	5,147.60	40	5,147.60
1203-261	Startup Plan	01OCT03A	298*	29OCT04A			100	26,136.92	40	26,136.92
1203-291	Update Design Basis Document	20APR04A	29*	18MAY04A			100	2,059.04	40	2,059.04
1203-301	Update Cost and Schedule Estimates	01SEP04A	42*	29OCT04A			100	3,404.28	40	3,404.28



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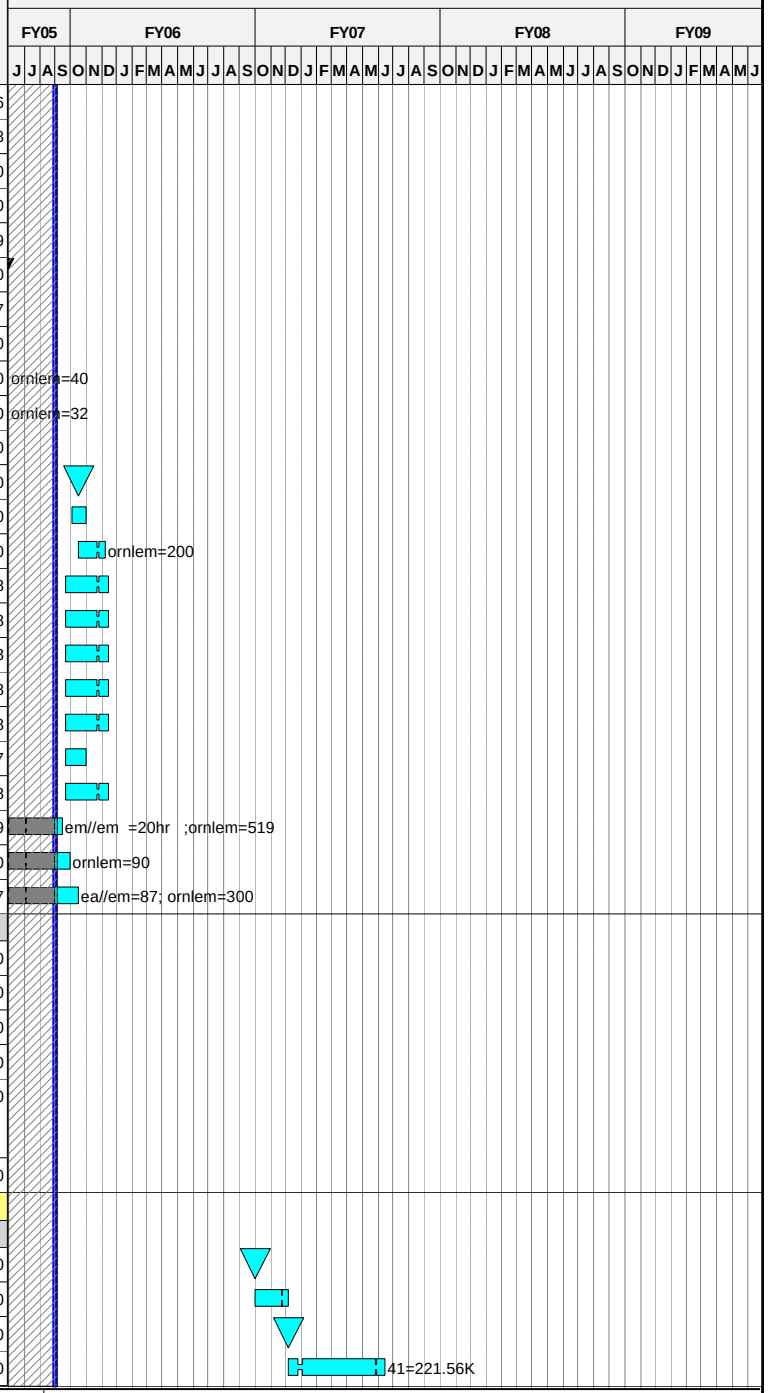
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
1203-311	Prepare Final Design ECP	24MAY04A	10	28MAY04A			100	3,088.56	40	3,088.56
1203-321	Assemble FDR Drawing Package, Check & Promote	03MAY04A	20*	18MAY04A			100	4,118.08	40	4,118.08
1203-331	Prepare Presentations	03MAY04A	20*	18MAY04A			100	12,869.00	40	12,869.00
1203-341	Conduct VVSA FDR		0	19MAY04A			100	0.00	40	0.00
1203-361	Final Design of Heating/Cooling	07NOV03A	269*	29APR05A			100	121,988.29	32	121,988.29
1203-900	WBS 12 FDR w/o insul/htrs**		0	05MAY05A				0.00	40	0.00
124-011	Final design WBS 124 VV supports	01JUL04A	207*	29APR05A			100	16,302.07	30	16,302.07
124-011.1	Lateral VV supports	01MAR05A	11*	31MAR05A			100	18,600.00	30	18,600.00
124-011.2	Analysis of Lateral supports	01FEB05A	85*	31MAY05A			100	6,200.00	30	6,200.00
124-011.3	check support analysis	24MAY05A	5	31MAY05A			100	4,960.00	30	4,960.00
125-001	Prelim design WBS 125 local I&C	01JAN05A	65	31MAR05A			100	4,030.00	30	4,030.00
1203-901	**WBS 12 FINAL FDR **		0	17OCT05	308			0.00	40	0.00
1203-241	Check FMECA Analyses	03OCT05*	22*	01NOV05	993			0.00	40	10,419.40
1203-271	Develop Assy Rqmnts spec & process	18OCT05*	36*	08DEC05	324		10	3,237.00	40	32,370.00
1203-800	Issue VV FP leak check assy dwg	22SEP05*	59*	15DEC05	534			0.00	40	6,682.98
1203-801	Issue VV FP final assy dwg	22SEP05*	59*	15DEC05	484			0.00	40	6,682.98
1203-802	Issue spacer machining dwgs	22SEP05*	59*	15DEC05	734			0.00	40	6,682.98
1203-803	Issue VV final assy dwg	22SEP05*	59*	15DEC05	319			0.00	40	6,682.98
1203-804	Issue VV assy specification	22SEP05*	59*	15DEC05	319			0.00	40	6,682.98
1203-805	Redo CC heating/coolinbg tube dwgs& analysis	22SEP05*	29*	01NOV05	346			0.00	40	19,847.17
1203-806	Establish interface reqmnts	22SEP05*	59*	15DEC05	963			0.00	40	6,682.98
122-011	Final design WBS 122 Thermal insulation	01JUN04A	326*	15SEP05	330		96	44,028.15	32	80,051.19
125-011	Final design WBS 125 local I&C	01MAR05A	152*	30SEP05	319		20	1,534.50	30	13,950.00
122-012	Heater Tape Design	02MAY05A	119*	17OCT05	308		86	38,285.51	32	61,256.67
Vacuum Vessel Vendor Selection										
121-6-6	Finalize tech Doc package & Resolve chits	01JUN04A	0*	30JUN04A			100	1,286.90	40	1,286.90
121-6-8	Evaluate and Select VV Production Vendor	01AUG04A	0*	12AUG04A			100	2,891.10	40	2,891.10
121-6-83	Negotiate with vendor	17AUG04A	0*	31AUG04A			100	1,604.20	40	1,604.20
121-6-85	DOE Approve VV Selection & contract	01SEP04A	11	30SEP04A			100	0.00	40	0.00
121-6-9	Award VV Production Vendor (Phase funded)		0	27SEP04A			100	0.00	40	0.00
121-36-9.2	Release for Fabrication		0	27SEP04A			100	0.00	40	0.00
Job:1204-VV Sys Procurements (non VVSA)-GORANSON										
Thermal Insulation										
123-035	Issue Proc Pkg for insulation boots WBS 122	02OCT06*	0		415			0.00	32	0.00
123-040	Issue RFQ & Select Vendor insul boots WBS 122	02OCT06	45	05DEC06	415			0.00	32	0.00
123-045	Award Insulation Boots WBS 122		0	05DEC06	415			0.00	32	0.00
123-050	Fabricate and Deliver Insul Boots WBS 122	06DEC06	130	14JUN07	415			0.00	32	0.00



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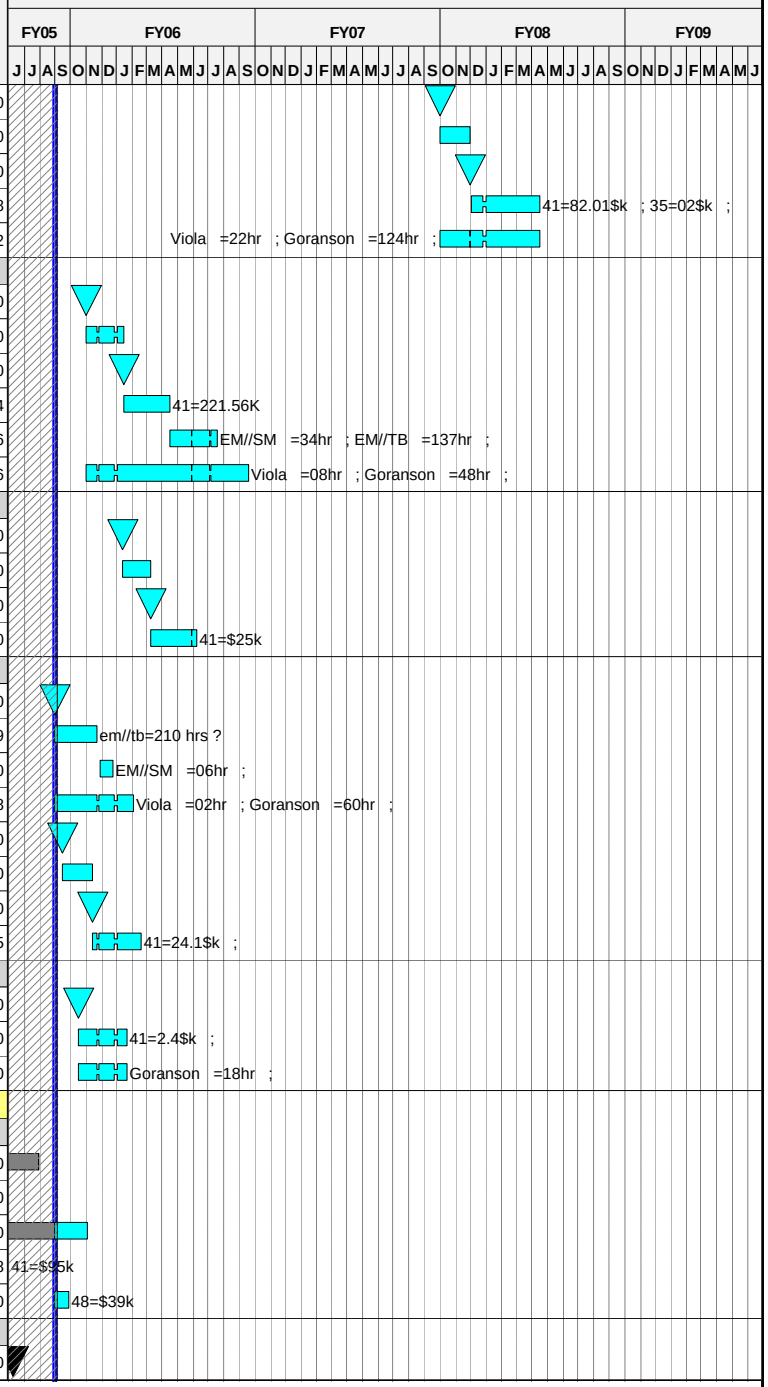
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
122-030.0	Prep spec and req VV Thermal Insul WBS 122	01OCT07*	0		217			0.00	30	0.00
122-030	SPEA VV Thermal Insulation WBS 122	01OCT07	43	28NOV07	217			0.00	30	0.00
122-036.9	Award VV Insulation WBS 122		0	28NOV07	217			0.00	32	0.00
122-037	VV Insulation Procurement WBS 122	03DEC07*	89	14APR08	217			0.00	32	119,166.08
122-031	Title III engr WBS 122	01OCT07*	132	14APR08	382			0.00	32	26,389.42
VV Heating/Cooling Tubing										
123-030.0	Issue Proc Pkg for VV H/C Tubing WBS 123	02NOV05*	0		346			0.00	32	0.00
123-030	Issue RFQ & Select Vendor VV H/C Tubing WBS 123	02NOV05	45	13JAN06	346			0.00	32	0.00
123-036.9	Award H/C Tubing WBS 123		0	13JAN06	346			0.00	32	0.00
123-037	Fabricate and Deliver H/C Tubing WBS 123	16JAN06	65	14APR06	346			0.00	32	327,687.24
123-041	VV Heating/Cooling prep tubing WBS 123	17APR06	65	18JUL06	818			0.00	32	15,447.46
123-031	Title III engr WBS 122	02NOV05	220	19SEP06	773			0.00	32	9,536.16
VV H/C Manifolds & Headers										
123-130.0	Issue Proc Pkg for VV H/C Manifolds WBS 123	12JAN06*	0		308			0.00	32	0.00
123-130	Issue RFQ &Select Vendor VV H/C Manifold WBS 123	12JAN06	40	08MAR06	308			0.00	32	0.00
123-136.9	Award H/C Manifolds WBS 123		0	08MAR06	308			0.00	32	0.00
123-137	Fabricate and Deliver H/C ManifoldsWBS 123	09MAR06	65	08JUN06	308			0.00	32	36,975.00
VV Supports										
124-030.0	Release dwg package for fab VV Vertical Supports	01SEP05*	0		475			0.00	30	0.00
124-037	VV Vert. Supports Procurement WBS 124	01SEP05	60	23NOV05	475			0.00	30	17,410.49
124-041	VV Vert. Supports Fab/assy WBS 124	28NOV05	20	23DEC05	475			0.00	30	0.00
124-031	Title III engr WBS 124	01SEP05	103	02FEB06	452			0.00	30	10,297.78
124-030.0L	Issue req & dwg package VV Lateral Sprts	15SEP05*	0		442			0.00	30	0.00
124-030L	SPEA VV Lateral Supports WBS 124	15SEP05	43	14NOV05	442			0.00	30	0.00
124-036.9L	Award VV Lateral Supports WBS 124		0	14NOV05	442			0.00	30	0.00
124-037L	VV Lateral Supports Procurement WBS 124	15NOV05	60	16FEB06	442			0.00	30	17,821.95
VV Local I&C										
125-036	Issue Procurement Package Local I&C WBS 125	18OCT05*	0		944			0.00	30	0.00
125-037	Procurement Local I&C WBS 125	18OCT05	60	19JAN06	944			0.00	30	3,549.60
125-015	Title III design Local I&C WBS 125	18OCT05	61	20JAN06	308			0.00	30	3,036.60
Job: 1250 - Vacuum Vessel Fabrication-VIOLA										
Start Up/Engineering										
VVSA-001	Process Order	24SEP04A	256*	29JUL05A			100	0.00	5	0.00
VVSA-011	Sect 5.1 Segmentation Scheme	04NOV04A	5	19NOV04A			100	96,075.00	5	96,075.00
VVSA-021	Sect 5.1.2 Fiducials	29NOV04A	242*	04NOV05	1,009		98	0.00	5	0.00
VVSA-031	Sect 5.1.3 Proc Outline & Asc Procedures	24SEP04A	152	31MAY05A			100	121,675.78	5	121,675.78
VVSA-035	Trinos Flanges	01SEP05*	20	28SEP05	1,036			0.00	5	39,000.00
+ Dies & Gages										
		20SEP04A	185	10JUN05A			100	655,640.00	5	655,640.00



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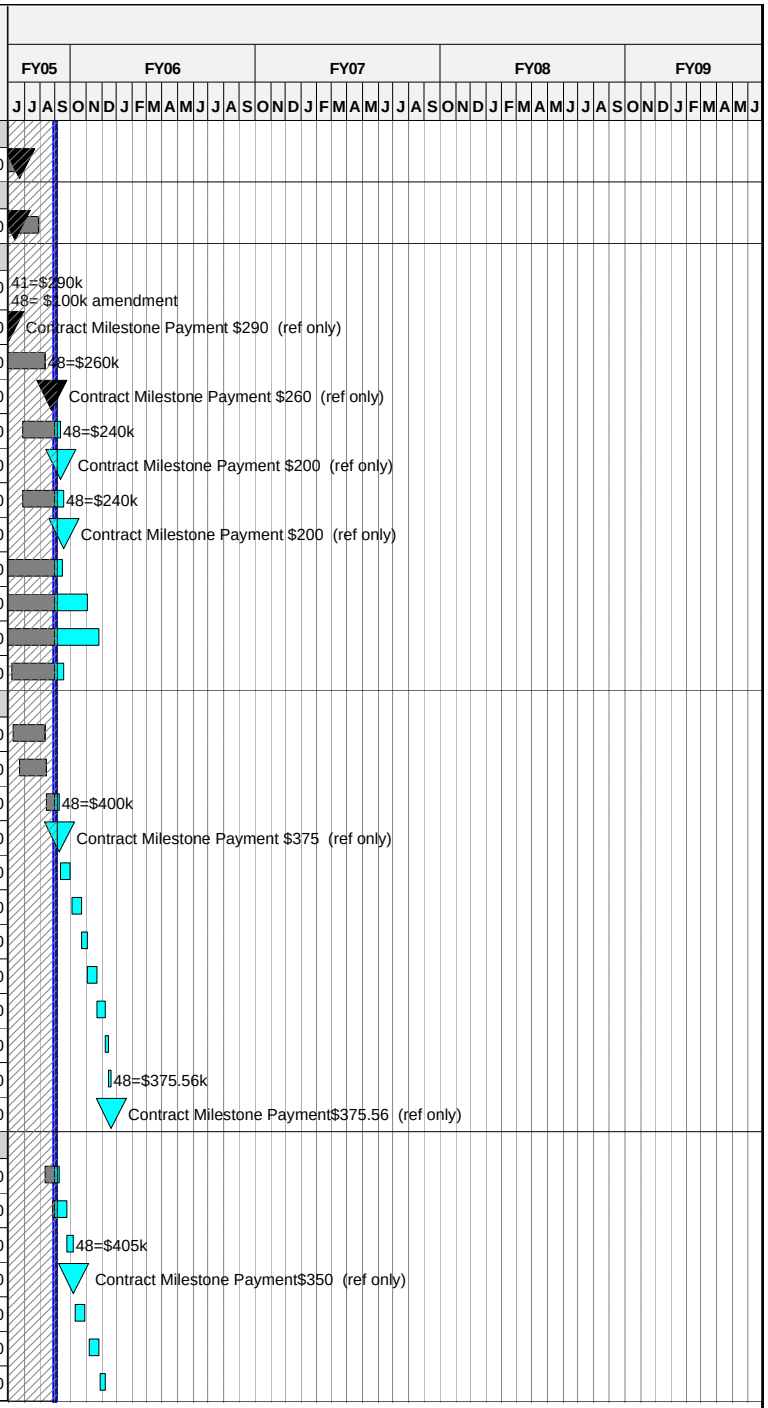
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
+ Fixture (2) 60 degree										
		25OCT04A	169	23JUN05A			100	0.00	5	0.00
+ Fixture (3) 120 degree										
		15APR05A	76	29JUL05A			100	220,000.00	5	220,000.00
Panels & Ports										
VVSA-221	Procure Vessel Material	29OCT04A	127	31MAY05A			100	471,490.00	5	471,490.00
121-105	S005243 #2-Vessel material procured		0	31MAY05A			100	0.00	5	0.00
VVSA-231	Production Panels Period #1 LOT 4	22APR05A	94*	12AUG05A			100	260,000.00	5	260,000.00
121-120	S005243 #5-1/3 of Vessel plates formed		0	23AUG05A			100	0.00	5	0.00
VVSA-241	Production Panels Period #2 LOT 5	28JUN05A	55*	12SEP05	447		80	192,000.00	5	240,000.00
121-125	S005243 #6-Second 1/3 of vsl plates formed		0	12SEP05*	1,048		80	0.00	5	0.00
VVSA-251	Production Panels Period #3 LOT 6	28JUN05A	59*	16SEP05	1,044		60	144,000.00	5	240,000.00
121-130	S005243 #7-Last 1/3 of vsl plates formed		0	16SEP05*	1,044		30	0.00	5	0.00
VVSA-261	Port Ext, Misc HW Period #1 LOT 7	04APR05A	119*	15SEP05	341		60	0.00	5	0.00
VVSA-271	Port Ext, Misc HW Period #2 LOT 8	04APR05A	155*	04NOV05	441		45	0.00	5	0.00
VVSA-281	Port Ext, Misc HW Period #3 LOT 9	04APR05A	170*	25NOV05	530		45	0.00	5	0.00
VVSA-291	Spacer & port Ext Fixture LOT 13	06JUN05A	75*	16SEP05	635		90	0.00	5	0.00
First 120 deg segment										
VVSA-301	1st 60 deg segment	10JUN05A	59*	12AUG05A			100	175,000.00	5	175,000.00
VVSA-311	2nd 60 deg segment	23JUN05A	50*	15AUG05A			100	175,000.00	5	175,000.00
VVSA-321	Join two pieces	15AUG05A	19*	08SEP05	332		96	48,000.00	5	50,000.00
121-135	S005243 #8-One VVSA fabricated		0	08SEP05	1,050			0.00	5	0.00
VVSA-331	Machine for Ports	13SEP05*	14*	30SEP05	330			0.00	5	0.00
VVSA-341	Weld Ports	03OCT05*	15*	21OCT05	330			0.00	5	0.00
VVSA-351	Final Machine	24OCT05*	9*	03NOV05	330			0.00	5	0.00
VVSA-361	Vacuum Test	04NOV05	13*	22NOV05	330			0.00	5	0.00
VVSA-371	Cut Off Ports	23NOV05	11*	07DEC05	330			0.00	5	0.00
VVSA-381	Pack for Shipping LI#4	08DEC05	6*	15DEC05	330			0.00	5	0.00
VVSA-391	Receive at PPPL	16DEC05	4*	21DEC05	330			0.00	5	375,560.00
121-150	S005243 #11-Receipt/Acceptance of 1st VVSA		0	21DEC05*	976			0.00	5	0.00
Second 120 deg segment										
VVSA-401	60 deg segment	12AUG05A	21*	09SEP05	447		80	140,000.00	5	175,000.00
VVSA-411	60 deg segment	26AUG05A	21*	23SEP05	447		30	52,500.00	5	175,000.00
VVSA-421	Join two pieces	26SEP05*	10*	07OCT05	447			0.00	5	55,000.00
121-140	S005243 #9-Second VVSA fabricated		0	07OCT05	447			0.00	5	0.00
VVSA-431	Machine for Ports	10OCT05	14	27OCT05	447			0.00	5	0.00
VVSA-441	Weld Ports	07NOV05	15	25NOV05	441			0.00	5	0.00
VVSA-451	Final Machine	28NOV05	9	08DEC05	441			0.00	5	0.00



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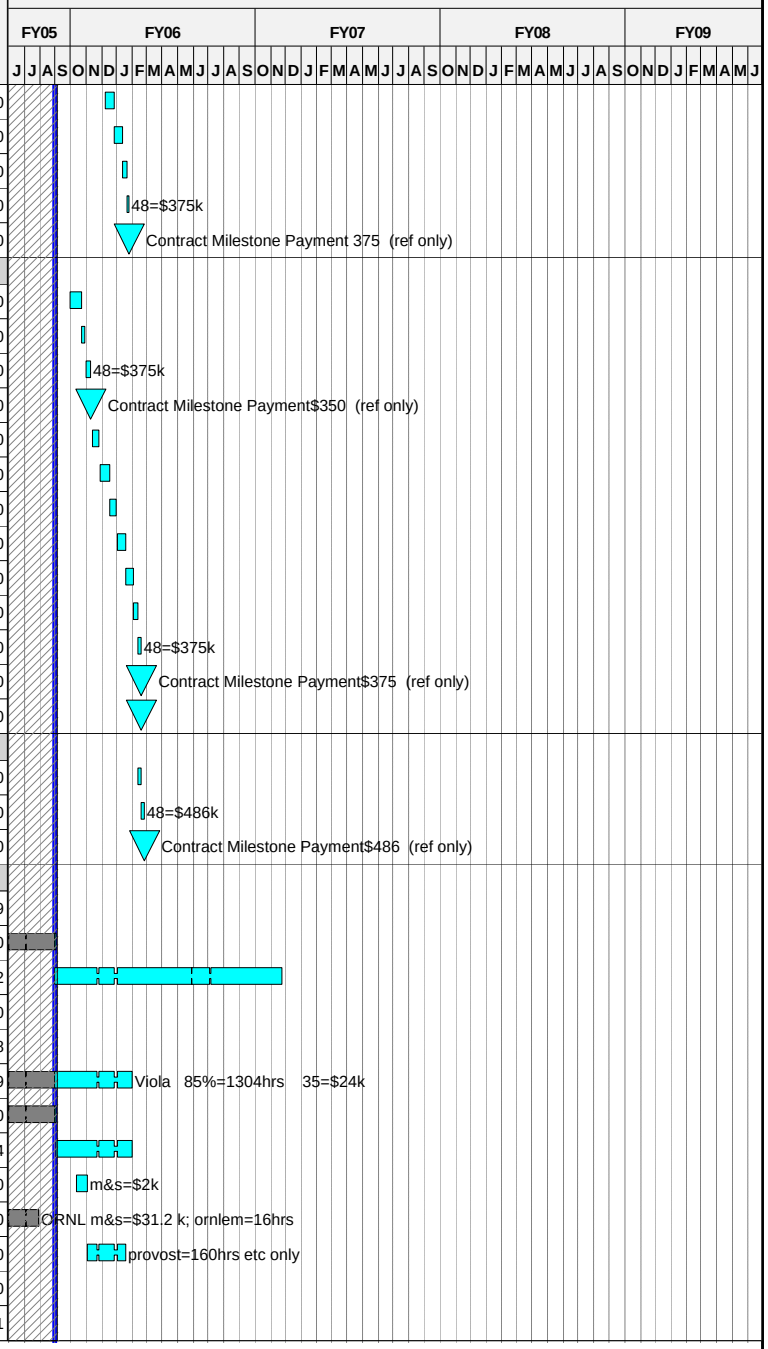
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
VVSA-461	Vacuum Test	09DEC05	13	27DEC05	441			0.00	5	0.00
VVSA-471	Cut Off Ports	28DEC05	11	11JAN06	441			0.00	5	0.00
VVSA-481	Pack for Shipping LI#4	12JAN06	6	19JAN06	441			0.00	5	0.00
VVSA-491	Receive at PPPL	20JAN06	4	25JAN06	441			0.00	5	375,000.00
121-155	S005243 #12-Receipt /Acceptance of 2nd VVSA		0	25JAN06*	951			0.00	5	0.00
Third 120 deg segment										
VVSA-501	60 deg segment	30SEP05*	16*	21OCT05	530			0.00	5	0.00
VVSA-511	60 deg segment	24OCT05*	5*	28OCT05	530			0.00	5	0.00
VVSA-521	Join two pieces	31OCT05	10*	11NOV05	530			0.00	5	375,000.00
121-145	S005243 #10-Third VVSA fabricated		0	11NOV05	1,004			0.00	5	0.00
VVSA-531	Machine for Ports	14NOV05	10*	25NOV05	530			0.00	5	0.00
VVSA-541	Weld Ports	28NOV05	15*	16DEC05	530			0.00	5	0.00
VVSA-551	Final Machine	19DEC05	10*	30DEC05	530			0.00	5	0.00
VVSA-561	Vacuum Test	02JAN06	13	18JAN06	530			0.00	5	0.00
VVSA-571	Cut Off Ports	19JAN06	11	02FEB06	530			0.00	5	0.00
VVSA-581	Pack for Shipping LI#4	03FEB06	6	10FEB06	530			0.00	5	0.00
VVSA-591	Receive at PPPL	13FEB06	4	16FEB06	530			0.00	5	375,000.00
121-160	S005243 #13-Receipt/Acceptance of 3rd VVSA		0	16FEB06*	935			0.00	5	0.00
121-038.1	All Vacuum Vessel Sections (3) Delivered		0	16FEB06	530			0.00	5	0.00
Ship Tooling										
VVSA-601	Pack Tooling for PPPL	13FEB06	5	17FEB06	930			0.00	5	0.00
VVSA-611	PPPL Receive Tooling	20FEB06	4	23FEB06	930			0.00	5	486,000.00
121-165	S005243 #14-Delivefy of tooling,dies,fixtures		0	23FEB06*	930			0.00	5	0.00
121-031	VVSA Title III engr	21MAY04A	631	28FEB05A			LOE	27,753.79	40	27,753.79
121-034	VVSA Title III engr	01MAR05A	131*	01SEP05	1,036		LOE	20,296.32	40	20,460.00
121-034.1	VVSA Title III engr	01SEP05*	310*	22NOV06	727		LOE	0.00	40	92,203.02
121-032	VVSA Contract oversight FY04	21MAY04A	386*	30SEP04A			LOE	20,052.50	40	20,052.50
121-033	VVSA Contract oversight FY05	01OCT04A	290*	28FEB05A			LOE	75,267.38	40	75,267.38
121-035	VVSA Contract oversight FY05 & FY06	01MAR05A	231*	31JAN06	936		LOE	145,820.26	40	259,005.79
121-035.1	ORNL fesign support during MTM Contract	01MAR05A	131*	01SEP05	1,036		LOE	17,221.12	40	17,360.00
121-035.2	ORNL fesign support during MTM Contract	02SEP05*	100*	31JAN06	936		LOE	0.00	40	43,851.24
121-036	Ship vac equipt from PPPL to MTM for vac testing	14OCT05	15	03NOV05	313			0.00	40	2,958.00
121-037	Purchase seals and ship to MTM	25APR05A	70*	29JUL05A			100	42,447.20	40	42,447.20
121-038	assist MTM testing of VVSA	04NOV05	46*	18JAN06	517			0.00	40	0.00
121-039	Design Seal Template	01MAR05A	20	31MAR05A			100	2,480.00	40	2,480.00
121-141	Fabricate Seal Template and ship to MTM	01MAR05A	65	31MAR05A			100	4,240.11	40	4,240.11



Run Date 04OCT05 13:21

Forecast
Progress Bar
Critical Activity

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September Status

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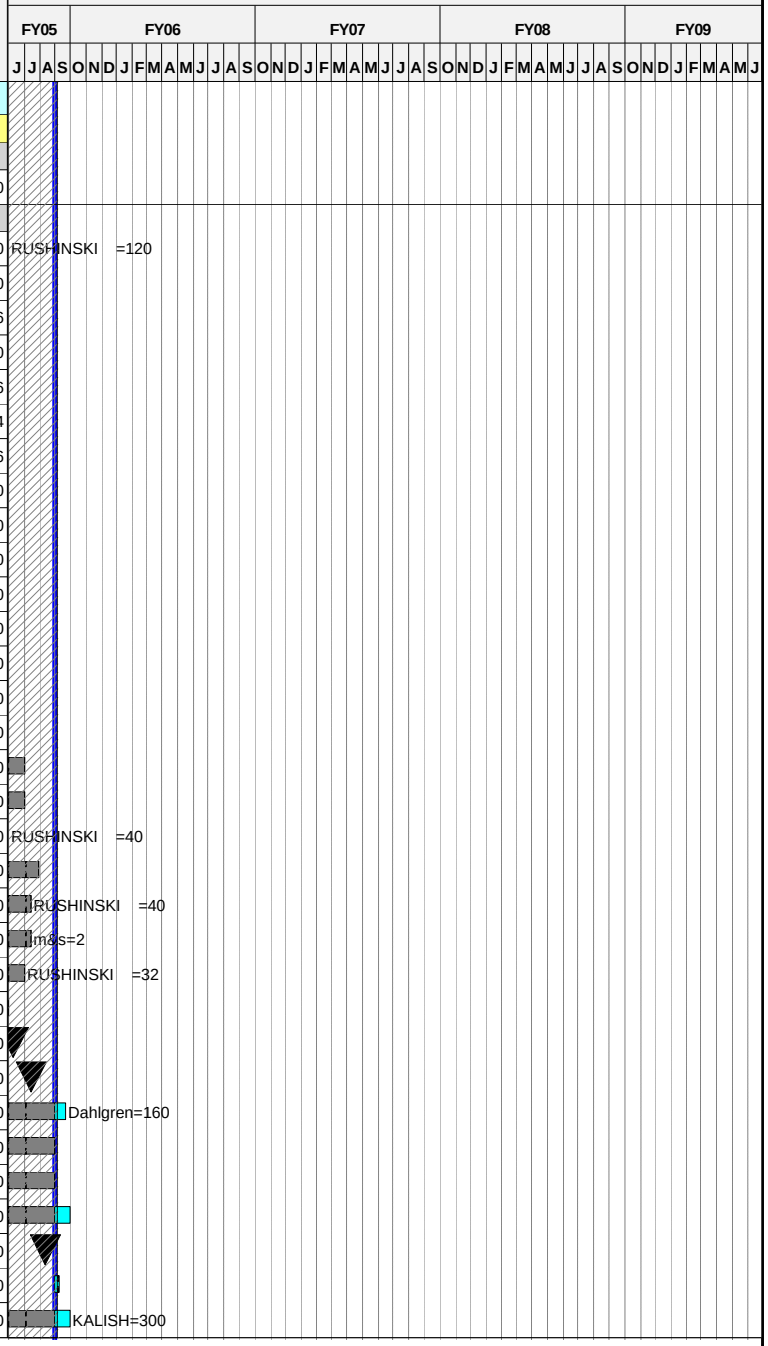
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
13 - Conventional Coils										
Job: 1301 - TF Design-KALISH										
+ Preliminary Design										
		01OCT03A	355	28FEB05A			100	471,974.00		471,974.00
Final Design										
1301FD-01	TF Detailed Drawings	01MAR05A	62	31MAY05A			100	19,830.00	24	19,830.00
1301FD-02	Develop Subassembly Process	01MAR05A	57	31MAY05A			100	0.00	24	0.00
1301FD-09	Electrical Test 1st Sample	01MAR05A	2	31MAR05A			100	596.16	24	596.16
1301FD-10	Ship 1st Sample	01MAR05A	5	31MAR05A			100	0.00	24	0.00
1301FD-11	Machine Copper Bars 2nd Sample	01MAR05A	1	31MAR05A			100	596.16	24	596.16
1301FD-12	Turn to Turn and Ground Wrap 2nd Sample	01MAR05A	7	31MAR05A			100	8,346.24	24	8,346.24
1301FD-13	Impregnate and Complete Sample 2nd Sample	01MAR05A	3	31MAR05A			100	3,576.96	24	3,576.96
1301FD-14	Update Analysis for Front Puller	01MAR05A	3	31MAR05A			100	3,843.00	24	3,843.00
1301FD-15	Lead Transition Stress Analysis	01MAR05A	44*	29APR05A			100	5,124.00	24	5,124.00
1301FD-16	Honeycomb InsulationStress Analysis	01MAR05A	4	31MAR05A			100	5,124.00	24	5,124.00
1301FD-18	Electrical Test 2nd Sample	01MAR05A	1	31MAR05A			100	0.00	24	0.00
1301FD-19	Ship 2nd Sample	01MAR05A	5	31MAR05A			100	0.00	24	0.00
1301FD-20	Test 1st Sample	01MAR05A	44*	29APR05A			100	21,162.00	24	21,162.00
1301R-12	Build Test Fixture	01FEB05A	43*	31MAR05A			100	6,610.00	24	6,610.00
1301FD-01B	Redesign Lead Stems	01MAR05A	62	31MAY05A			100	0.00	24	0.00
1301FD-01C	Lead Stem Detail Dwgs	01MAR05A	87*	30JUN05A			100	0.00	24	0.00
1301FD-01D	Test Lead Stem Support Blocks	01JUN05A	87*	30JUN05A			100	0.00	24	0.00
1301FD-04	Final Drawing Check	01MAR05A	57	31MAY05A			100	6,610.00	24	6,610.00
1301FD-06	Complete ICDs	01MAR05A	106*	29JUL05A			100	0.00	24	0.00
1301FD-17	Resolve Tolerance Issues	01MAR05A	97*	15JUL05A			100	6,610.00	24	6,610.00
1301FD-21	Test 2nd Sample	01APR05A	72*	13JUL05A			100	21,162.00	24	21,162.00
1301FD-03	Layout Subassembly Fixture	25MAY05A	26*	30JUN05A			100	5,288.00	24	5,288.00
1301R-31	Review and Approve Coil Spec	31MAY05A	1	31MAY05A			100	0.00	24	0.00
1301FD-70	TF Conductor FDR		0	09JUN05A			100	0.00	24	0.00
131-012C	Wedge Casting FDR		0	13JUL05A			100	0.00	24	0.00
1301FD-05	Anaylsis Check	01MAR05A	144*	20SEP05	1,023		90	23,796.00	24	26,440.00
1301FD-08	Resolove PDR Chits	01MAR05A	144*	31AUG05A			100	0.00	24	0.00
1301FD-22	Evaluate Results	01APR05A	121*	31AUG05A			100	0.00	24	0.00
1301R-37	Prepare Coil Spec	01MAR05A	152*	30SEP05	1,015		85	0.00	24	0.00
131-012	Comprehensive WBS 13 TF FDR		0	12AUG05A			100	0.00	24	0.00
1301FD-84	TF Coil Fabrication & assy package approved	01SEP05	5	08SEP05	264			0.00	24	0.00
1301FD-50	Engineering LOE	02APR05A	128*	30SEP05	1,015		LOE	41,048.10	24	49,575.00



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Forecast
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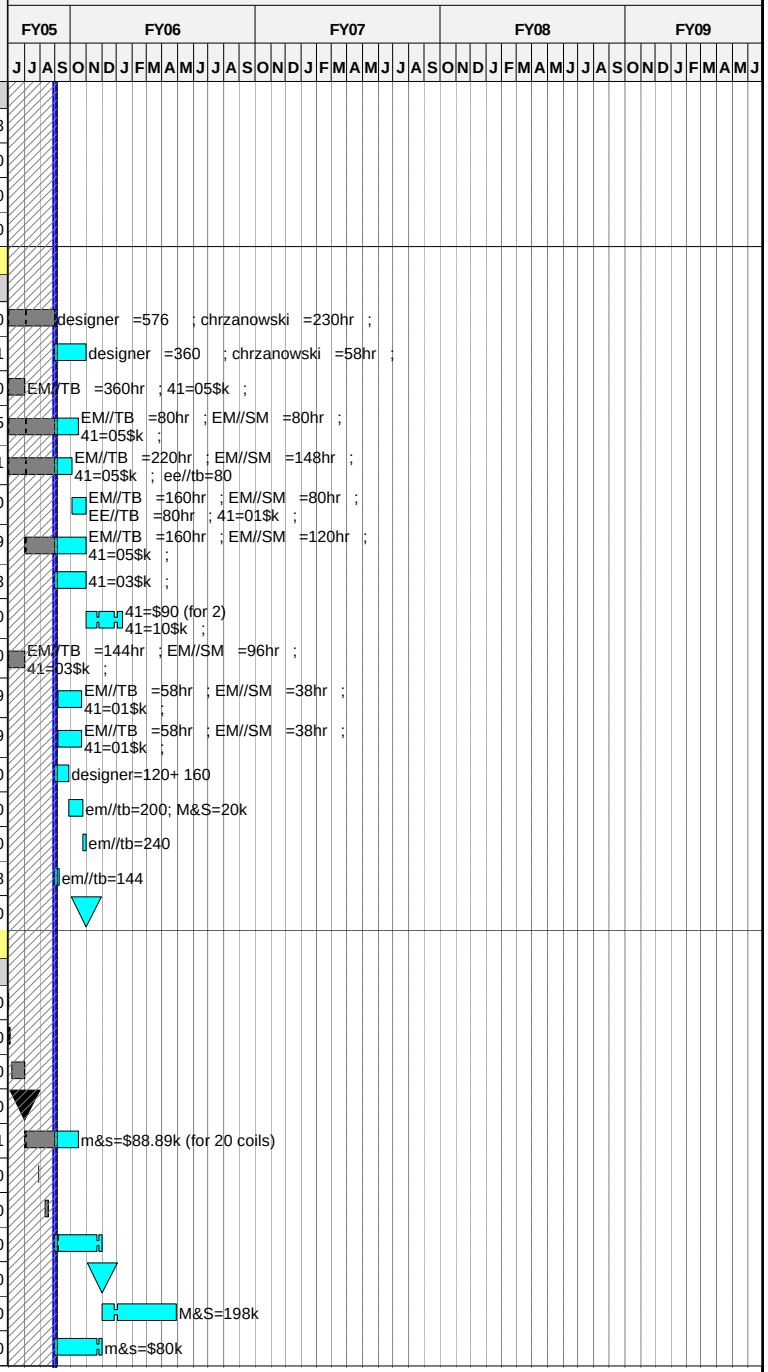
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
Prior Costs										
163-001	Title I design CS sprt struc	01DEC03A	341*	30SEP04A			LOE	45,035.13	32	45,035.13
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A			100	0.00	0	0.00
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A			100	91,660.00	0	91,660.00
1301-FY04	FY04 cost variance	01OCT03A	64*	30SEP04A			100	27,000.00	0	27,000.00
Job: 1350 TF Coil Fab Preparation-CHRZANOWSKI										
1350-100	Design tooling & winding facility	01MAR05A	152*	31AUG05A			80	96,961.10	24	96,961.10
1350-100.1	Design tooling & winding facility	01SEP05*	43*	31OCT05	994		80	0.00	24	48,944.91
1350-500	Recondition turnkng fixture	21MAR05A	88*	30JUN05A			100	33,232.20	24	33,232.20
1350-505	Winding Clamps	02MAY05A	118*	14OCT05	1,005		60	12,599.61	24	20,999.35
1350-600	Build Cleanroom	28MAR05A	134*	03OCT05	1,014		95	40,986.20	24	43,921.01
1350-510	Taping Machine Conditioning	03OCT05*	22	01NOV05	993			0.00	24	30,984.60
1350-515	Winding mandrel	01JUL05A	86*	31OCT05	994		15	4,784.53	24	31,896.89
1350-520	Misc tools & equipt	01SEP05*	43*	31OCT05	994			0.00	24	43,826.63
1350-525	TF mold (2)	01NOV05*	44	11JAN06	950			0.00	24	133,110.00
1350-605	Install winding table	01JUN05A	50*	30JUN05A			100	24,655.80	24	24,655.80
1350-610	Setup copper delivery system	05SEP05*	35*	21OCT05	1,000			0.00	24	10,382.99
1350-615	Install taping machine	05SEP05*	35*	21OCT05	1,000			0.00	24	10,382.99
1351-080	Design Assy Fixture	01SEP05	20	28SEP05	510			0.00	24	28,658.00
1351-086	Fab/Assemble Fixture	29SEP05	19	25OCT05	510			0.00	24	45,233.90
1351-088	Setup Wedge Casting Fixture & test	26OCT05	5	01NOV05	510			0.00	24	20,049.60
1351-089	Fab Lift Fixture	01SEP05	5	07SEP05	1,032			0.00	24	10,730.88
1350-620	Complete setup of facility		0	01NOV05	993			0.00	24	0.00
Job: 1351 - TF Coil Fabr Supplies-KALISH										
TF Materials & Supplies										
1301FD-72	TF Conductor Procurement Package approved	31MAY05A	5	31MAY05A			100	0.00	24	0.00
1301FD-74	Prepare & issue TF Conductor RFP	31MAY05A	23*	03JUN05A			100	0.00	24	0.00
1301FD-76	Evaluate bids and award TF conductor	06JUN05A	0*	30JUN05A			100	0.00	24	0.00
1301FD-77	Award TF conductor		0	30JUN05A			100	0.00	24	0.00
1351-529	Coil Supplies- Deliver Copper Conductor(PE005935	01JUL05A	75*	14OCT05	189			0.00	24	131,468.31
1301FD-78	TF Wedge Plate procurement package approved	29JUL05A	5	29JUL05A			100	0.00	24	0.00
1301FD-80	Prepare and Issue TF Wedge Plate RFP	12AUG05A	5	18AUG05A			100	0.00	24	0.00
1301FD-82	Evaluate and award TF Wedge Plate Fabr (R403108)	01SEP05	62*	30NOV05	390			0.00	24	0.00
1351-85C	Award TF Castings		0	30NOV05	391			0.00	24	0.00
1351-85D	Vendor Fab TF Castings	01DEC05	100	27APR06	391			0.00	24	287,892.00
1351-525	Coil Supplies- Insulation	01SEP05	65	02DEC05	249			0.00	24	118,320.00



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Forecast
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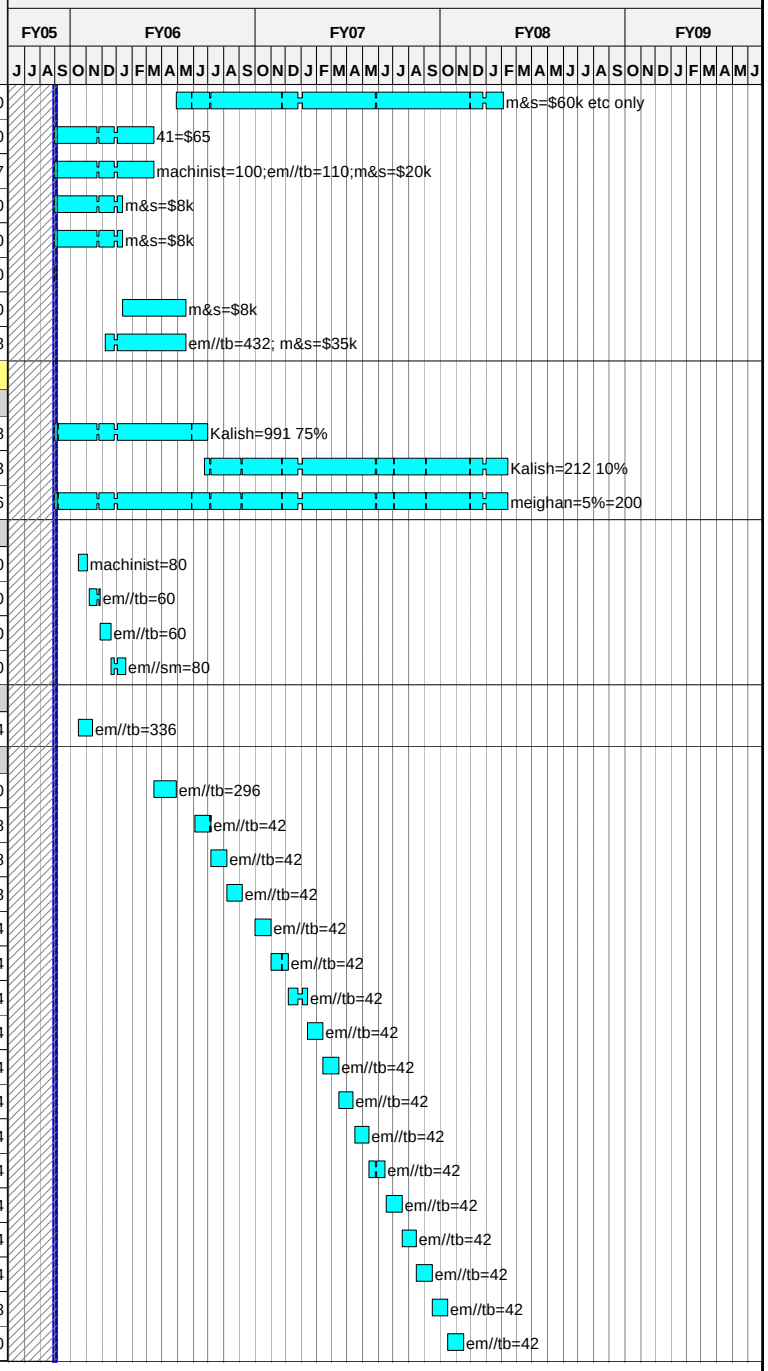
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
1351-527	Coil Supplies- Epoxy	28APR06	442*	04FEB08	133			0.00	24	0.00
1351-531	Coil Supplies- G-11 fillers (PE006162)	01SEP05	130	13MAR06	151			0.00	24	96,135.00
1351-533	Coil Supplies- Lead Blocks(R403122 for copper)	01SEP05	130	13MAR06	151			0.00	24	50,158.57
1351-535	Coil Supplies- Safety & PPE equipt & supplies	01SEP05	88	12JAN06	193			0.00	24	11,436.00
1351-537	Coil Supplies- Misc supplies	01SEP05	88	12JAN06	193			0.00	24	11,436.00
1351-539	Coil Supplies- Primer (N/R)	01SEP05	1	01SEP05	280			0.00	24	0.00
1351-541	VPI Supplies- Misc VPI supplies	12JAN06	88	15MAY06	151			0.00	24	11,832.00
1351-543	VPI Supplies- Disposable VPI HW	08DEC05	107	15MAY06	151			0.00	24	87,854.28
Job: 1361 - TF Fabrication-CHRZANOWSKI										
TF Fabrication Oversight										
131-031	Title III engr (FDR through 1st coil test 75%)	01SEP05	207*	30JUN06	355			0.00	24	180,079.68
131-032	Title III engr (completion of coils 10%)	23JUN06	409*	14FEB08	131			0.00	24	40,075.23
131-033	Winding operations field oversight	01SEP05	610*	14FEB08	131			0.00	24	23,889.26
TF Braze Qualification										
1351-512	Prepare braze samples	17OCT05*	15	04NOV05	189			0.00	24	9,417.60
1351-513	Develop brzae techniques	07NOV05	15	29NOV05	189			0.00	24	5,012.40
1351-514	Braze conductor samples	30NOV05	15	20DEC05	189			0.00	24	5,012.40
1351-515	Test brazed samples	21DEC05	15	18JAN06	189			0.00	24	9,417.60
Conductor Prep										
1351-547	Conductor Preparation	17OCT05	21	14NOV05	239			0.00	24	28,069.44
Coil Winding										
1351-549	Wind Coil #1	14MAR06	33	27APR06	151			0.00	24	30,074.40
1351-551	Wind Coil #2	05JUN06	22	05JUL06	151			0.00	24	3,508.68
1351-553	Wind Coil #3	06JUL06*	22	04AUG06	151			0.00	24	3,508.68
1351-555	Wind Coil #4	07AUG06	22	05SEP06	151			0.00	24	3,508.68
1351-557	Wind Coil #5	02OCT06*	22	31OCT06	133			0.00	24	3,589.74
1351-559	Wind Coil #6	01NOV06	22	04DEC06	133			0.00	24	3,589.74
1351-561	Wind Coil #7	05DEC06	22	11JAN07	133			0.00	24	3,589.74
1351-563	Wind Coil #8	12JAN07	22	12FEB07	133			0.00	24	3,589.74
1351-565	Wind Coil #9	13FEB07	22	14MAR07	133			0.00	24	3,589.74
1351-567	Wind Coil #10	15MAR07	22	13APR07	133			0.00	24	3,589.74
1351-569	Wind Coil #11	16APR07	22	15MAY07	133			0.00	24	3,589.74
1351-571	Wind Coil #12	16MAY07	22	15JUN07	133			0.00	24	3,589.74
1351-573	Wind Coil #13	18JUN07	22	17JUL07	133			0.00	24	3,589.74
1351-575	Wind Coil #14	18JUL07	22	16AUG07	133			0.00	24	3,589.74
1351-577	Wind Coil #15	17AUG07	22	17SEP07	133			0.00	24	3,589.74
1351-579	Wind Coil #16	18SEP07	22	17OCT07	133			0.00	24	3,666.18
1351-581	Wind Coil #17	18OCT07	22	16NOV07	133			0.00	24	3,719.10



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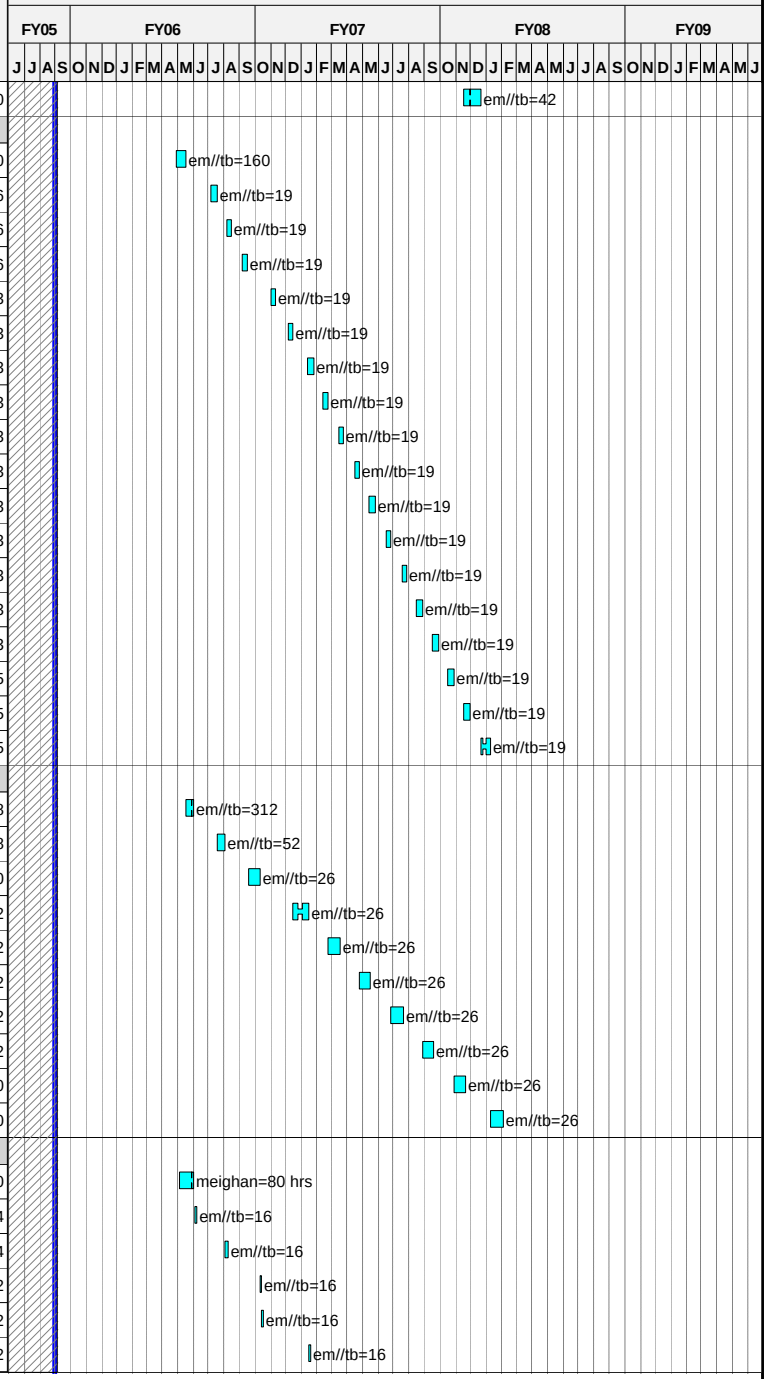
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
1351-583	Wind Coil #18	19NOV07	22	20DEC07	133			0.00	24	3,719.10
Ground Wrap & Mold Application										
1351-649	GW & Apply Mold Coil #1	28APR06	12	15MAY06	151			0.00	24	13,366.40
1351-651	GW & Apply Mold Coil #2	06JUL06	8	17JUL06	305			0.00	24	1,587.26
1351-653	GW & Apply Mold Coil #3	07AUG06	8	16AUG06	291			0.00	24	1,587.26
1351-655	GW & Apply Mold Coil #4	06SEP06	8	15SEP06	277			0.00	24	1,587.26
1351-657	GW & Apply Mold Coil #5	01NOV06	8	10NOV06	246			0.00	24	1,623.93
1351-659	GW & Apply Mold Coil #6	05DEC06	8	14DEC06	232			0.00	24	1,623.93
1351-661	GW & Apply Mold Coil #7	12JAN07	8	23JAN07	251			0.00	24	1,623.93
1351-663	GW & Apply Mold Coil #8	13FEB07	8	22FEB07	237			0.00	24	1,623.93
1351-665	GW & Apply Mold Coil #9	15MAR07	8	26MAR07	224			0.00	24	1,623.93
1351-667	GW & Apply Mold Coil #10	16APR07	8	25APR07	210			0.00	24	1,623.93
1351-669	GW & Apply Mold Coil #11	16MAY07	8	25MAY07	197			0.00	24	1,623.93
1351-671	GW & Apply Mold Coil #12	18JUN07	8	27JUN07	183			0.00	24	1,623.93
1351-673	GW & Apply Mold Coil #13	18JUL07	8	27JUL07	201			0.00	24	1,623.93
1351-675	GW & Apply Mold Coil #14	17AUG07	8	28AUG07	187			0.00	24	1,623.93
1351-677	GW & Apply Mold Coil #15	18SEP07	8	27SEP07	174			0.00	24	1,623.93
1351-679	GW & Apply Mold Coil #16	18OCT07	8	29OCT07	160			0.00	24	1,682.45
1351-681	GW & Apply Mold Coil #17	19NOV07	8	28NOV07	147			0.00	24	1,682.45
1351-683	GW & Apply Mold Coil #18	21DEC07	8	10JAN08	133			0.00	24	1,682.45
VPI										
1351-751	VPI Coil #1	16MAY06	13	02JUN06	151			0.00	24	26,064.48
1351-752	VPI Coil #2	18JUL06	13	03AUG06	308			0.00	24	4,344.08
1351-755	VPI Coil #3 & #4	18SEP06	17	10OCT06	277			0.00	24	2,192.70
1351-759	VPI Coil #5 & #6	15DEC06	17	16JAN07	232			0.00	24	2,222.22
1351-763	VPI Coil #7 & #8	23FEB07	17	19MAR07	237			0.00	24	2,222.22
1351-767	VPI Coil #9 & #10	26APR07	17	18MAY07	210			0.00	24	2,222.22
1351-771	VPI Coil #11 & #12	28JUN07	17	20JUL07	183			0.00	24	2,222.22
1351-775	VPI Coil #13 & #14	29AUG07	17	20SEP07	187			0.00	24	2,222.22
1351-779	VPI Coil #15 & #16	30OCT07	17	21NOV07	160			0.00	24	2,302.30
1351-783	VPI Coil #17 & #18	11JAN08	17	04FEB08	133			0.00	24	2,302.30
Electrical Test (warm before casting instl))										
1351-848	Prep & setup for warm test	05MAY06	20	02JUN06	358			0.00	24	9,417.60
1351-849	Warm Test Coil #1	05JUN06	2	06JUN06	358			0.00	24	1,336.64
1351-851	Warm Test Coil #2	04AUG06	2	07AUG06	327			0.00	24	1,336.64
1351-853	Warm Test Coil #3	11OCT06	2	12OCT06	282			0.00	24	1,367.52
1351-855	Warm Test Coil #4	13OCT06	2	16OCT06	289			0.00	24	1,367.52
1351-857	Warm Test Coil #5	17JAN07	2	18JAN07	232			0.00	24	1,367.52



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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
1351-859	Warm Test Coil #6	19JAN07	2	22JAN07	233			0.00	24	1,367.52
1351-861	Warm Test Coil #7	20MAR07	2	21MAR07	258			0.00	24	1,367.52
1351-863	Warm Test Coil #8	22MAR07	2	23MAR07	259			0.00	24	1,367.52
1351-865	Warm Test Coil #9	21MAY07	2	22MAY07	220			0.00	24	1,367.52
1351-867	Warm Test Coil #10	23MAY07	2	24MAY07	222			0.00	24	1,367.52
1351-869	Warm Test Coil #11	23JUL07	2	24JUL07	183			0.00	24	1,367.52
1351-871	Warm Test Coil #12	25JUL07	2	26JUL07	184			0.00	24	1,367.52
1351-873	Warm Test Coil #13	21SEP07	2	24SEP07	208			0.00	24	1,367.52
1351-875	Warm Test Coil #14	25SEP07	2	26SEP07	209			0.00	24	1,367.52
1351-877	Warm Test Coil #15	22NOV07	2	23NOV07	170			0.00	24	1,416.80
1351-879	Warm Test Coil #16	26NOV07	2	27NOV07	172			0.00	24	1,416.80
1351-881	Warm Test Coil #17	05FEB08	2	06FEB08	133			0.00	24	1,416.80
1351-883	Warm Test Coil #18	07FEB08	2	08FEB08	134			0.00	24	1,416.80
Assemble TF Casting to TF coil										
1351-110A	Assemble TF to Wedge Casting TF#1	15JUN06	6	22JUN06	358			0.00	24	8,019.84
1351-115A	Assemble TF to Wedge Casting TF#2	08AUG06	3	10AUG06	327			0.00	24	4,009.92
1351-120A	Assemble TF to Wedge Casting TF#3	13OCT06	3	17OCT06	282			0.00	24	4,102.56
1351-125A	Assemble TF to Wedge Casting TF#4	18OCT06	3	20OCT06	288			0.00	24	4,102.56
1351-130A	Assemble TF to Wedge Casting TF#5	19JAN07	3	23JAN07	232			0.00	24	0.00
1351-135A	Assemble TF to Wedge Casting TF#6	24JAN07	3	26JAN07	232			0.00	24	0.00
1351-140A	Assemble TF to Wedge Casting TF#7	22MAR07	3	26MAR07	258			0.00	24	4,102.56
1351-145A	Assemble TF to Wedge Casting TF#8	27MAR07	3	29MAR07	258			0.00	24	0.00
1351-150A	Assemble TF to Wedge Casting TF#9	23MAY07	3	25MAY07	220			0.00	24	4,102.56
1351-155A	Assemble TF to Wedge Casting TF#10	29MAY07	3	31MAY07	221			0.00	24	0.00
1351-160A	Assemble TF to Wedge Casting TF#11	25JUL07	3	27JUL07	183			0.00	24	4,102.56
1351-165A	Assemble TF to Wedge Casting TF#12	30JUL07	3	01AUG07	183			0.00	24	0.00
1351-170A	Assemble TF to Wedge Casting TF#13	25SEP07	3	27SEP07	208			0.00	24	0.00
1351-175A	Assemble TF to Wedge Casting TF#14	28SEP07	3	02OCT07	208			0.00	24	0.00
1351-180A	Assemble TF to Wedge Casting TF#15	26NOV07	3	28NOV07	170			0.00	24	4,250.40
1351-185A	Assemble TF to Wedge Casting TF#16	03DEC07	3	05DEC07	171			0.00	24	0.00
1351-190A	Assemble TF to Wedge Casting TF#17	07FEB08	3	11FEB08	133			0.00	24	4,250.40
1351-195A	Assemble TF to Wedge Casting TF#18	12FEB08	3	14FEB08	133			0.00	24	0.00
Final Test (cold after casting installation)										
1351-901	Build Cryostat for teststand to hold TF coil	09MAY06	20	06JUN06	358			0.00	24	11,120.20
1351-902	Build lifting fixture	09MAY06	20	06JUN06	358			0.00	24	0.00
1351-905	Cold test #1 BEFORE casting applied	07JUN06	6	14JUN06	358			0.00	24	0.00
1351-910	Cold test #1 again AFTER casting applied	23JUN06	6	30JUN06	358			0.00	24	9,781.92

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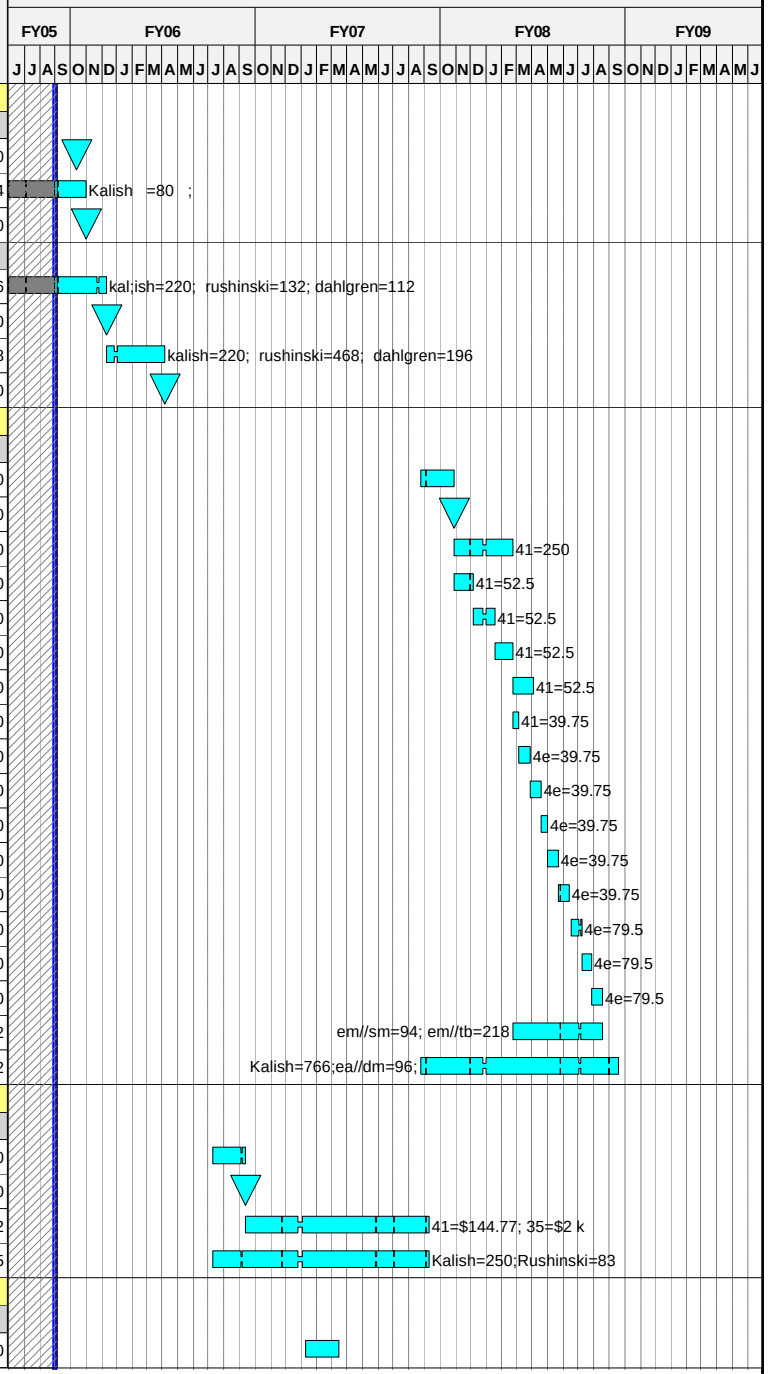
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
Job: 1302 - PF and CS Design -KALISH										
TF I&C										
133-008	Design WBS 134 Conv Coil I&C Peer review		0	12OCT05*	1,002		10	0.00	24	0.00
133-010	Design WBS 134 Conv Coil I&C	01MAR05A	172*	31OCT05	695		10	1,339.89	24	13,398.94
133-011	Design WBS 134 Conv Coil I&C FDR		0	31OCT05*	989		10	0.00	24	0.00
1302-PF	PF& CS Support Preliminary Design	01JUN05A	135*	12DEC05	425		25	19,940.34	32	79,761.36
141-012	PF & CS Sprt PDR		0	12DEC05	425			0.00	32	0.00
1302-CSS	PF & CS Support Final Design	13DEC05	75	04APR06	425			0.00	32	162,275.88
1301-137	PF & CS Support FDR		0	04APR06	425			0.00	32	0.00
Job: 1352 - PF Coil Procurement-KALISH										
PF Coil Fabrication										
141-035	Bid & Award PF Coils	27AUG07*	45	29OCT07	124			0.00	24	0.00
141-036	PF Coils Awarded		0	29OCT07	124			0.00	24	0.00
1352-100	Material & leads	30OCT07	75	21FEB08	124			0.00	24	352,000.00
1352-110	Tooling for PF 4	30OCT07*	25	05DEC07	159			0.00	24	73,920.00
1352-115	Tooling for PF 5	06DEC07	25	17JAN08	159			0.00	24	73,920.00
1352-120	Tooling for PF 6	18JAN08	25	21FEB08	174			0.00	24	73,920.00
1352-105	Tooling for PF 1,2 and 3	22FEB08	30	03APR08	174			0.00	24	73,920.00
1352-140	Fabricate/Dlvr PF 4 lower	22FEB08	10	06MAR08	124			0.00	24	55,968.00
1352-145	Fabricate/Dlvr PF 5 lower	07MAR08	15	27MAR08	124			0.00	24	41,817.00
1352-150	Fabricate/Dlvr PF 6 lower	28MAR08	15	17APR08	124			0.00	24	41,817.00
1352-155	Fabricate/Dlvr PF 4 upper	18APR08	10	01MAY08	124			0.00	24	41,817.00
1352-160	Fabricate/Dlvr PF 5 upper	02MAY08	15	22MAY08	124			0.00	24	41,817.00
1352-165	Fabricate/Dlvr PF 6 upper	23MAY08	15	13JUN08	124			0.00	24	41,817.00
1352-125	Fabricate/Dlvr PF 1 upper & lower	16JUN08	15	07JUL08	124			0.00	24	83,634.00
1352-130	Fabricate/Dlvr PF 2 upper & lower	08JUL08	15	28JUL08	124			0.00	24	83,634.00
1352-135	Fabricate/Dlvr PF 3 upper & lower	29JUL08	15	18AUG08	124			0.00	24	83,634.00
722.010	PF Coil receipt inspect/test (formerly wbs 183)	22FEB08	125*	18AUG08	124			0.00	20	31,033.22
141-031	Title III engr WBS 132	27AUG07*	268	19SEP08	268			0.00	24	167,206.12
Job: 1353 - CS Structure Procurement-KALISH										
CS Support Structure										
163-035	Bid & Award CS Support Struct	10JUL06	45	11SEP06	359			0.00	32	0.00
163-036.9	Award CS Support Structure		0	11SEP06*	359			0.00	32	0.00
163-037	CS Support Structure Procurement/Fab	12SEP06*	249	10SEP07	359			0.00	32	204,905.02
163-015	Title III design CS sprt struc	10JUL06	294	10SEP07	526			0.00	32	62,260.05
Job: 1354 - Trim Coil Procurement-KALISH										
Trim Coils										
184-035	Bid & Award Ext Trim Coils	11JAN07	45	14MAR07	123			0.00	24	0.00



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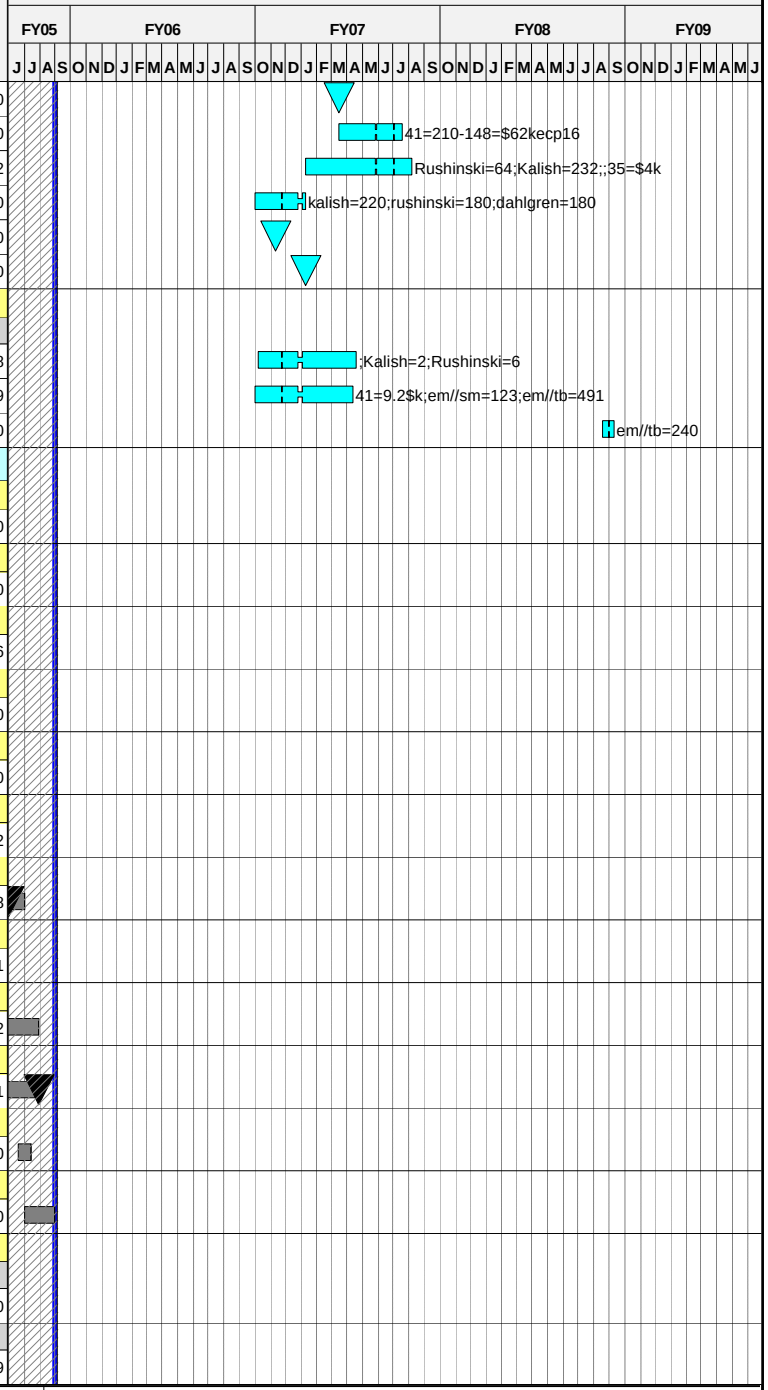
184-036	Award External Trim Coils		0	14MAR07*	123			0.00	40	0.00
184-037	External Trim Coil Procurement/Fab*ecp16	15MAR07	87	17JUL07	123			0.00	40	85,870.00
184-015	Title III WBS 133 Rxt Trim Coils	11JAN07	147	07AUG07	549			0.00	40	62,862.72
1303-TRIM	Trim Coil Design	02OCT06*	65	10JAN07	123			0.00	32	108,935.60
1303-136	Trim Coil PDR		0	10NOV06	123			0.00	24	0.00
1303-137	Trim Coil FDR		0	10JAN07	123			0.00	24	0.00
Job: 1355 - WBS 13 I&C Proc & Coil Assy-KALISH										
TF/PF Loacl I&C										
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07	626			0.00	20	1,098.28
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	467			0.00	20	69,521.89
1355-100	CS and PF 1-3 Pre-Assy incl coil I&C procurement	19AUG08	15	09SEP08	124			0.00	20	21,252.00
14 - Modular Coils										
+ Job: 1401 - Mod Coil Prel.DsnCLOSED****										
		01APR03A	128	30SEP03A			100	303,040.00	0	303,040.00
+ Job: 1402 - Mod.Coil AnalysesCLOSED****										
		01APR03A	128	30SEP03A			100	239,140.00	0	239,140.00
+ Job:1404-MCWF R&D & 1st Prod CastingCLOSED****										
		01APR03A	443	31DEC04A			100	,533,518.06		2,533,518.06
+ Job: 1413 -MCWF Fracture Analysis-CLOSED****										
		01MAR05A	44	29APR05A			100	23,169.40	10	23,169.40
+ Job: 1405-Mod Coil Winding R&D Prep-CLOSED****										
		01APR03A	43	30MAY03A				168,070.00	0	168,070.00
+ Job: 1407 -Mod Coil Winding Facility-CLOSED****										
		01APR03A	419	30NOV04A				,522,993.12		2,522,993.12
+ Job: 1412 - Complete Winding Facilities-*CLOSED*										
		01OCT04A	187	01JUL05A			100	540,436.88		540,436.88
+ Job: 1406 - Mod. Coil Winding R&D-CLOSED****										
		01APR03A	507	31MAR05A			100	,213,588.41		2,213,588.41
+ Job: 1410 MC Twisted Racetrack Fabr-CLOSED****										
		01OCT04A	206	29JUL05A			100	,080,211.32		1,080,211.32
+ Job: 1409 - Coil Test Stand-GETTELFINGER*CLOSED*										
		20OCT03A	442	29JUL05A				853,941.31	34	853,941.31
+ Job: 1415 Dim Cntrl Testing-RAFTOPOLOUS*CLOSED**										
		20JUN05A	19	15JUL05A			100	14,850.00	30	14,850.00
+ Job: 1419-Winding Fac. Mods-CHRZANOWSKI*CLOSED*										
		01JUL05A	43	31AUG05A			100	0.00	34	0.00
Job: 1403 - Modular Coil Final Design-WILLIAMSON										
+ PDR/PBR Prep										
		01OCT03A	61	24DEC03A			100	18,016.60	40	18,016.60
+ Requirements/Config and Interfaces										
		15OCT03A	160	28MAY04A			100	46,457.09	40	46,457.09



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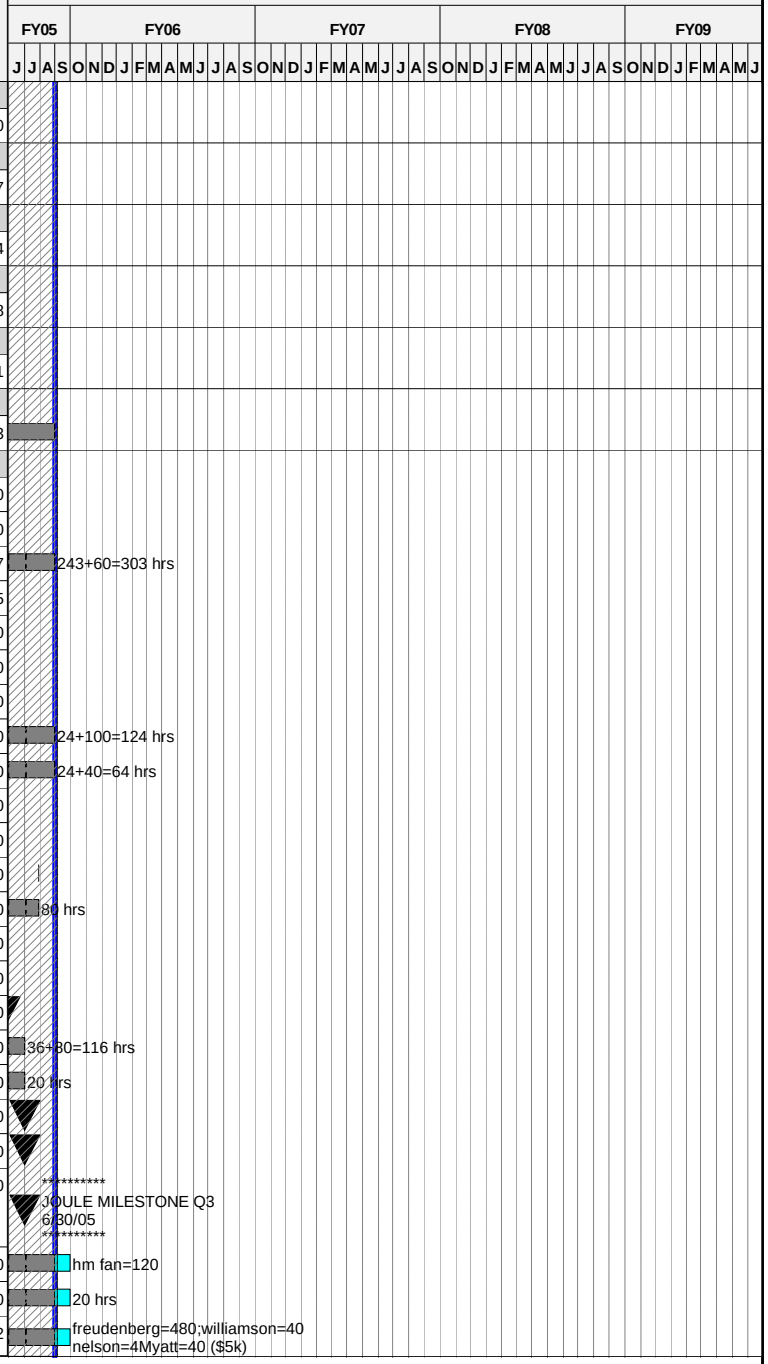
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
+ Analysis - Thermal & Electrical										
		15OCT03A	*152*	**18MAY04A**			***100***	***39,639.40***	***40***	39,639.40
+ Analysis - Structural										
		15OCT03A	*152*	**18MAY04A**			***100***	***367,160.37***		367,160.37
+ Winding Form FDR Prep										
		15OCT03A	*236*	**16SEP04A**			***100***	***383,223.24***	***40***	383,223.24
+ MCWF Procurement										
		01JUN04A	*86*	**30SEP04A**			***100***	***45,223.48***	***40***	45,223.48
+ Coil-to-coil Interface Design										
		15OCT03A	*246*	**30SEP04A**			***100***	***91,408.51***	***40***	91,408.51
+ MCWF & Winding Analysis/Testing										
		02FEB04A	*400*	**31AUG05A**			***100***	***656,902.73***	***40***	656,902.73
Winding and Assembly Design-Type C										
1403-20.01	ISSUE CLADDING DWGS FOR FAB	**29APR05A**	*1*	**29APR05A**			***100***	***0.00***	***40***	0.00
1403-20.04	Resolve FDR chits	**25APR05A**	*5*	**25APR05A**			***100***	***6,200.00***	***40***	6,200.00
1403-201	Leads start assy Dwgs (10)-Type C	**01JAN04A**	*420**	**31AUG05A**			***100***	***43,339.67***	***40***	43,339.67
1403-202	G-10 Filler DwgsType C ?????????????	**01JAN04A**	*227**	**30SEP04A**			***100***	***13,512.45***	***40***	13,512.45
1403-203	Start Clamp Dwgs (5)-Type C	**01JAN05A**	*20*	**28FEB05A**			***100***	***23,219.00***	***40***	23,219.00
1403-206	Start Cooling, Electr Schematic Dwgs- Type C	**01NOV04A**	*81**	**28FEB05A**			***100***	***3,720.00***	***40***	3,720.00
1403-208	Start I&C Dwgs -Type C	**01NOV04A**	*139**	**28FEB05A**			***100***	***1,860.00***	***40***	1,860.00
1403-221	Lead ends assy-Type C	**01NOV04A**	*208**	**31AUG05A**			***100***	***19,220.00***	***40***	19,220.00
1403-222	Terminal / elec services assembly-Type C	**01NOV04A**	*208**	**31AUG05A**			***100***	***9,920.00***	***40***	9,920.00
1403-223	Start tp level coil assembly-Type C	**01NOV04A**	*139**	**28FEB05A**			***100***	***1,860.00***	***40***	1,860.00
1403-224	Start PI mold assembly-Type C	**01NOV04A**	*127**	**28FEB05A**			***100***	***3,720.00***	***40***	3,720.00
1403-502	Lead Block dwgs apprvd for fabrication	**29JUL05A**	*0**	**29JUL05A**			***100***	***0.00***	***40***	0.00
1403-58X2	Check and promote lead blocks	**01MAY05A**	*73**	**29JUL05A**			***100***	***12,400.00***	***40***	12,400.00
1403-60	Start Update design basis document	**02FEB05A**	*80**	**28FEB05A**			***100***	***1,240.00***	***40***	1,240.00
1403-20A	Mod Coil Type C Cladding FDR		*0*	**25APR05A**			***100***	***0.00***	***40***	0.00
1403-500	Type C Lead Block FDR		*0*	**18MAY05A**			***100***	***0.00***	***40***	0.00
1403-219	MCWF assy-Type C	**01OCT04A**	*186**	**30JUN05A**			***100***	***17,980.00***	***40***	17,980.00
1403-62	Prepare FDR documentation / presentations	**01JUN05A**	*0**	**30JUN05A**			***100***	***3,100.00***	***40***	3,100.00
1403-504	Type C Chill Plate FDR		*0*	**30JUN05A**			***100***	***0.00***	***40***	0.00
1403-508	Type C Clamp FDR		*0*	**30JUN05A**			***100***	***0.00***	***40***	0.00
1403-20B	Mod Coil Type C FDR's COMPLETE		*0*	**30JUN05A**			***100***	***0.00***	***40***	0.00
1403-90	Compile Material properties database	**01OCT04A**	*251**	**30SEP05**	***1,015***		***90***	***17,847.00***	***40***	19,830.00
1403-20.00	Resolve FDR chits	**25APR05A**	*113**	**30SEP05**	***1,015***		***90***	***2,790.00***	***40***	3,100.00
1403-40.2Z	Update nonlinear winding pack analysis	**01AUG04A**	*294**	**30SEP05**	***1,015***		***90***	***77,016.26***	***40***	85,573.62



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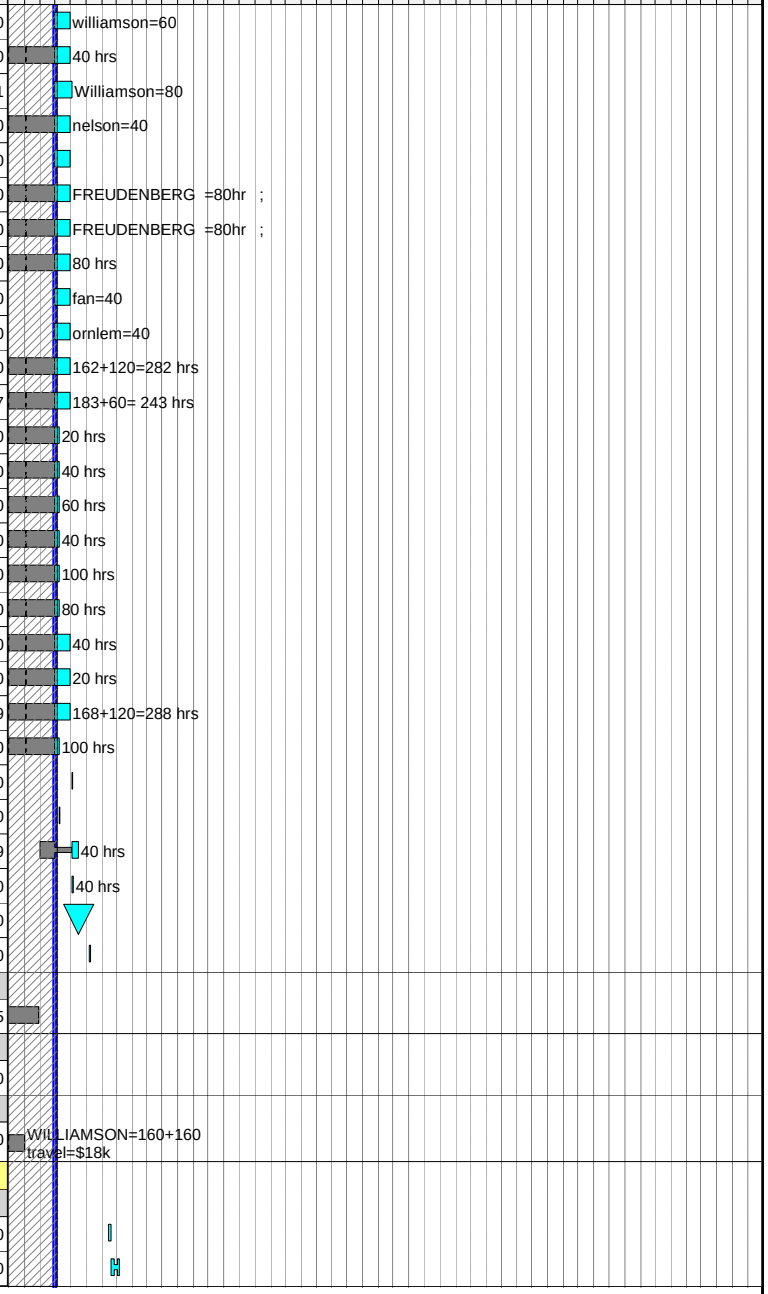
1403-42H	calculate EM loads at leads	01SEP05*	22*	30SEP05	1,015		60	5,580.00	40	9,300.00
1403-58X1	Check and promote cladding & terminal dwg-Type C	29APR05A	109*	30SEP05	135		95	5,890.00	40	6,200.00
1403-47A	Update,review & approve FMECA	01SEP05*	23*	03OCT05	1,014		10	621.19	40	6,211.91
1403-42A	WP beam bending results documentation	02MAY05A	108*	30SEP05	1,015		50	3,100.00	40	6,200.00
1403-42A1	Document analysis of MCWF eddy currents	01SEP05*	22*	30SEP05	1,015			0.00	40	0.00
1403-73	Prep struct analysis report	01MAY05A	108*	30SEP05	1,015		50	6,200.00	40	12,400.00
1403-76	Structural analysis of leads	01OCT04A	251*	30SEP05	1,015		50	6,200.00	40	12,400.00
1403-223C	Finish Top level coil assembly-Type C	01MAR05A	152*	30SEP05	1,015		80	9,920.00	40	12,400.00
1403-47C	Perform cool-down/warmup analysis	01SEP05*	22*	30SEP05	1,015			0.00	40	6,610.00
1403-50A	Check inductance calculation	01SEP05	22*	30SEP05	1,015			0.00	40	0.00
1403-220	Cladding assembly-Type C	01OCT04A	251*	30SEP05	1,015		95	41,524.50	40	43,710.00
1403-200	Side A/B winding pack assy-Type C	01JAN04A	442*	30SEP05	1,015		90	31,412.05	40	34,902.27
1403-224C	Finish VPI mold assembly-Type C	01MAR05A	135*	07SEP05	1,032		50	1,550.00	40	3,100.00
1403-208C	Finish I&C Dwgs -Type C	01MAR05A	135*	07SEP05	1,032		50	3,100.00	40	6,200.00
1403-206.1	Cooling tubes/services assy- Type C	25APR05A	96*	07SEP05	1,032		60	5,580.00	40	9,300.00
1403-206C	Finish Cooling, Electr Schematic Dwgs - Type C	01MAR05A	135*	07SEP05	1,032		50	3,100.00	40	6,200.00
1403-58C	Check and promote clamp, I&C assy dwgs -Type C	01JUN05A	70*	07SEP05	1,032		80	12,400.00	40	15,500.00
1403-60C	Finish Update design basis document	02MAY05A	91*	07SEP05	1,032		50	6,200.00	40	12,400.00
1403-59	Type-C product specifications	02MAY05A	108*	30SEP05	135		70	4,340.00	40	6,200.00
1403-49	Update cost / schedule estimates	02MAY05A	108*	30SEP05	135		60	1,860.00	40	3,100.00
1403-204	Outer Chill Plate Dwgs -Type C	01SEP04A	272*	30SEP05	140		90	39,649.50	40	44,054.99
1403-203C	Finish Clamp Dwgs (5)-Type C	01MAR05A	135*	07SEP05	223		90	13,950.00	40	15,500.00
1403-506	Chill plate dwgs approved for fabrication	03OCT05	0*	30SEP05	140			0.00	40	0.00
1403-510	Clamp and assy dwgs approved for fabrication	08SEP05	0*	07SEP05	223			0.00	40	0.00
1403-20.2	Resolve FDR chits	01AUG05A	56*	17OCT05	135		50	3,188.65	40	6,377.29
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	03OCT05	5	07OCT05	141		50	3,237.00	40	6,474.00
1403-20.0	Final Design Close-out for Type C		0	14OCT05*	136			0.00	40	0.00
1403-20.1	Mod Coil Type C Fab Preparedness Review	08NOV05	1	08NOV05*	120			0.00	40	0.00
+ Twisted Racetrack Design (Williamson)										
		01OCT03A	455	29JUL05A			100	296,969.25	40	296,969.25
Prior Costs										
1403-ECPRB	Rebaselining YTD adjustment for ytd cv	01OCT04A	108*	28FEB05A			100	154,400.00	40	154,400.00
TITLE2TRC	Titel III Design-TRC FAB	24JAN05A	91	30JUN05A			LOE	79,570.00	40	79,570.00
Job: 1416-Mod Coil Type A&B Final Dsn-WILLIAMSON										
Winding and Assembly Design-Type A										
1416A-105	-Subasm Shrinkwrap	15DEC05*	5	21DEC05	180			0.00	30	6,748.00
1416A-109	-Check and Promote	22DEC05	5	05JAN06	180			0.00	30	3,374.00



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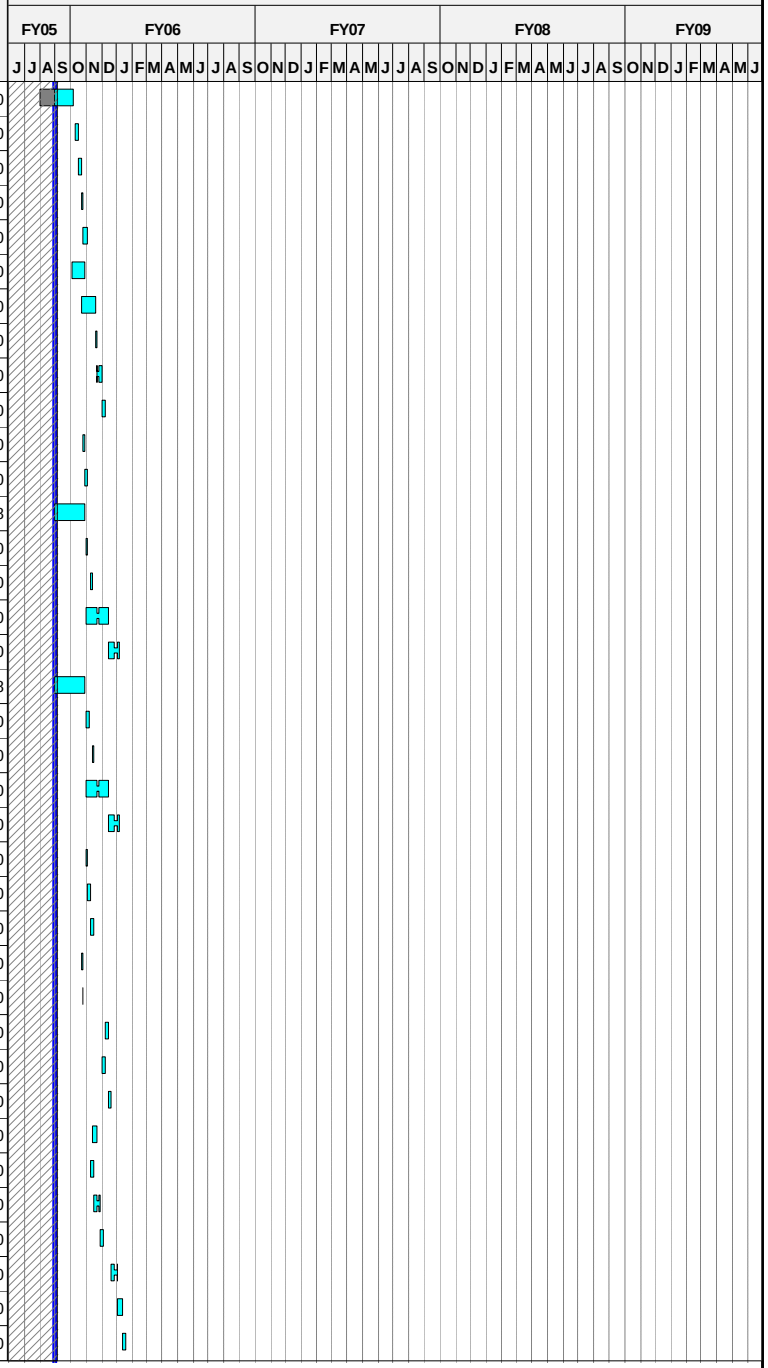
1416A-113	MCWF mods-As-Built MCWF	01AUG05A	50*	07OCT05	231		50	6,200.00	30	12,400.00
1416A-117	MCWF mods-Studs, Lead Block Mount	10OCT05*	5	14OCT05	226			0.00	30	6,748.00
1416A-121	MCWF mods-Seal Groove Adapter	17OCT05*	5	21OCT05	221			0.00	30	6,748.00
1416A-125	MCWF mods-Metrology Data Files	24OCT05*	3	26OCT05	218			0.00	30	3,374.00
1416A-129	MCWF mods-Check and Promote	27OCT05	5	02NOV05	218			0.00	30	3,374.00
1416A-133	Lead Block Assy-Lead Blocks	03OCT05*	20	28OCT05	198			0.00	30	13,496.00
1416A-137	Lead Block Assy-Top and Side Plates	24OCT05*	20	18NOV05	183			0.00	30	13,496.00
1416A-141	Lead Block Assy-Detail Parts, Intralink	21NOV05*	3	23NOV05	180			0.00	30	6,748.00
1416A-145	Lead Block Assy-Filament Data Files	23NOV05*	5	01DEC05	176			0.00	30	3,374.00
1416A-149	Lead Block Assy-Check and Promote	02DEC05	5	08DEC05	176			0.00	30	3,374.00
1416A-153	Lead Terminals-Splice Plates	25OCT05*	3	27OCT05	199			0.00	30	3,374.00
1416A-157	Lead Terminals-Check and Promote	28OCT05	5	03NOV05	199			0.00	30	3,374.00
1416A-161	Side A Coil Assy-Cladding Asm	01SEP05*	42*	28OCT05	186			0.00	30	37,150.48
1416A-165	Side A Coil Assy-Cond Layers, Geom Files	31OCT05*	5	04NOV05	206			0.00	30	6,748.00
1416A-169	Side A Coil Assy-Magnetic Loops	10NOV05*	3	14NOV05	200			0.00	30	3,374.00
1416A-173	Side A Coil Assy-Chill Plates and Tubing	31OCT05*	30	13DEC05	181			0.00	30	40,488.00
1416A-177	Side A Coil Assy-Check and Promote	14DEC05	10	04JAN06	181			0.00	30	6,748.00
1416A-181	Side B Coil Assy-Cladding Asm	01SEP05*	42*	28OCT05	186			0.00	30	40,013.98
1416A-185	Side B Coil Assy-Cond Layers, Geom Files	01NOV05*	5	07NOV05	205			0.00	30	6,748.00
1416A-189	Side B Coil Assy-Magnetic Loops	14NOV05*	3	16NOV05	198			0.00	30	3,374.00
1416A-193	Side B Coil Assy-Chill Plates and Tubing	31OCT05*	30	13DEC05	181			0.00	30	44,056.80
1416A-197	Side B Coil Assy-Check and Promote	14DEC05	10	04JAN06	181			0.00	30	6,748.00
1416A-201	Coil Post VPI mods-Studs Removed	31OCT05*	3	02NOV05	213			0.00	30	3,374.00
1416A-205	Coil Post VPI mods-Clamp Arrangement	03NOV05*	5	09NOV05	208			0.00	30	6,748.00
1416A-209	Coil Post VPI mods-Check and Promote	10NOV05	5	16NOV05	208			0.00	30	3,374.00
1416A-213	Clamp Assy-Clamp Hardware	24OCT05*	1	24OCT05	224			0.00	30	674.80
1416A-217	Clamp Assy-Check and Promote	25OCT05	1	25OCT05	224			0.00	30	674.80
1416A-221	I&C-Strain Gages and T/C	09DEC05*	3	13DEC05	186			0.00	30	3,374.00
1416A-225	I&C-Rogowski Coils	02DEC05*	5	08DEC05	189			0.00	30	6,748.00
1416A-229	I&C-Check and Promote	14DEC05	5	20DEC05	186			0.00	30	3,374.00
1416A-233	Coil-to-Coil -Current Feed Insul, Covers	15NOV05*	5	21NOV05	200			0.00	30	3,374.00
1416A-237	Coil-to-Coil -Windings Insul Blanket	10NOV05*	5	16NOV05	203			0.00	30	3,374.00
1416A-241	Coil-to-Coil -Bushing Installation	18NOV05*	5	28NOV05	197			0.00	30	3,374.00
1416A-245	Coil-to-Coil -Check and Promote	29NOV05	5	05DEC05	197			0.00	30	3,374.00
1416A-249	-Type-A Coil Asm Specification	20DEC05*	5	03JAN06	172			0.00	30	6,748.00
1416A-253	-Review and Approve Type-A Spec	04JAN06	5	10JAN06	172			0.00	30	3,374.00
1416A-257	-Update Coil Fab Procedures	11JAN06	5	17JAN06	172			0.00	30	3,374.00



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Forecast
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Critical Activity

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September Status

Completed tasks summarized

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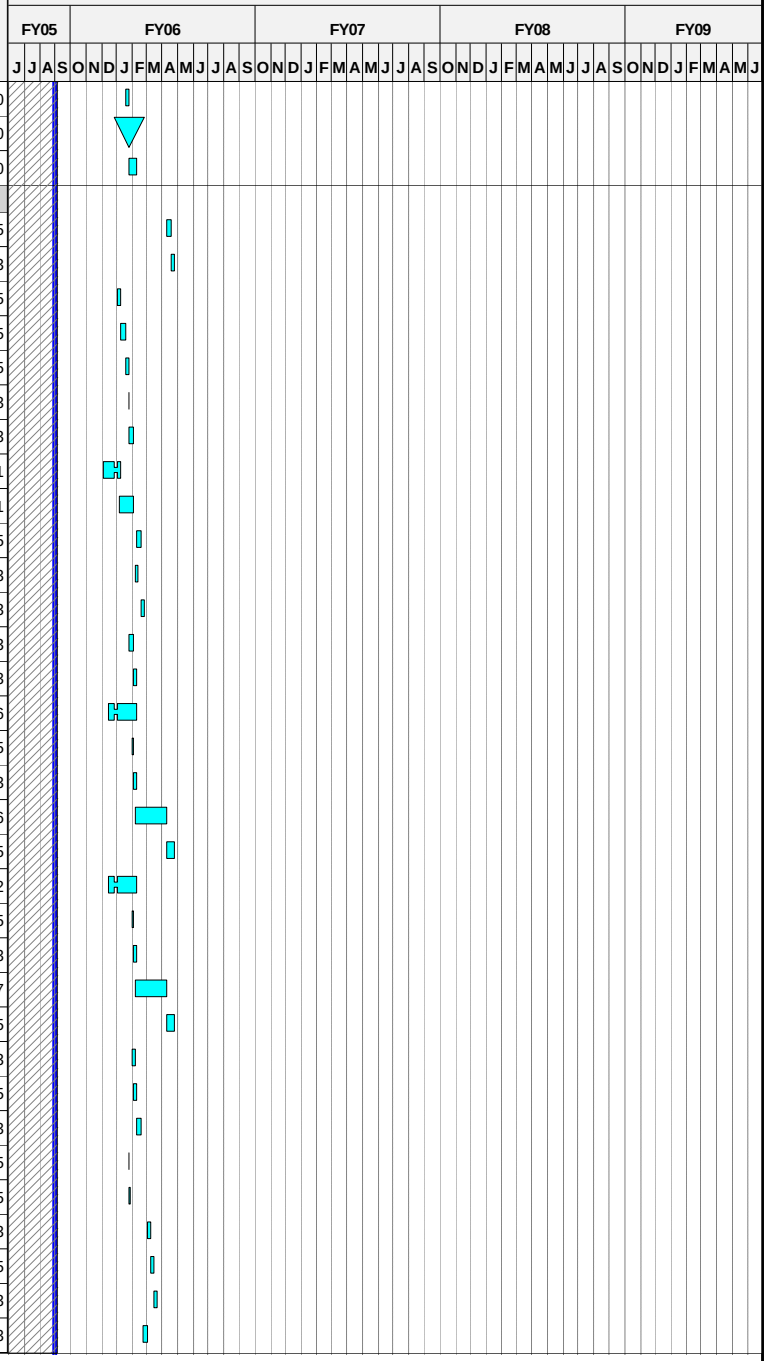
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
1416A-261	-Prepare and Conduct FDR	18JAN06*	5	24JAN06	172			0.00	30	6,748.00
1416A-262	TYPE A FDR		0	24JAN06	172			0.00	30	0.00
1416A-265	-Resolve FDR Comments	25JAN06	10	07FEB06	172			0.00	30	6,748.00
Winding and Assembly Design-Type B										
1416B-105	-Subasm Shrinkwrap	11APR06*	5	17APR06	196			0.00	30	2,667.15
1416B-109	-Check and Promote	18APR06	5	24APR06	196			0.00	30	1,332.73
1416B-113	MCWF mods-As-Built MCWF	03JAN06*	5	09JAN06	266			0.00	30	2,667.15
1416B-117	MCWF mods-Studs, Lead Block Mount	10JAN06*	5	16JAN06	261			0.00	30	2,667.15
1416B-121	MCWF mods-Seal Groove Adapter	18JAN06*	5	24JAN06	255			0.00	30	2,667.15
1416B-125	MCWF mods-Metrology Data Files	23JAN06*	3	25JAN06	254			0.00	30	1,332.73
1416B-129	MCWF mods-Check and Promote	26JAN06	5	01FEB06	254			0.00	30	1,332.73
1416B-133	Lead Block Assy-Lead Blocks	05DEC05*	20	09JAN06	237			0.00	30	5,332.61
1416B-137	Lead Block Assy-Top and Side Plates	05JAN06*	20	01FEB06	220			0.00	30	5,332.61
1416B-141	Lead Block Assy-Detail Parts, Intralink	10FEB06*	5	16FEB06	209			0.00	30	2,667.15
1416B-145	Lead Block Assy-Filament Data Files	06FEB06*	5	10FEB06	213			0.00	30	1,332.73
1416B-149	Lead Block Assy-Check and Promote	17FEB06	5	23FEB06	209			0.00	30	1,332.73
1416B-153	Lead Terminals-Splice Plates	26JAN06*	5	01FEB06	220			0.00	30	1,332.73
1416B-157	Lead Terminals-Check and Promote	02FEB06	5	08FEB06	220			0.00	30	1,332.73
1416B-161	Side A Coil Assy-Cladding Asm	14DEC05*	35	08FEB06	214			0.00	30	18,666.66
1416B-165	Side A Coil Assy-Cond Layers, Geom Files	30JAN06*	5	03FEB06	242			0.00	30	2,667.15
1416B-169	Side A Coil Assy-Magnetic Loops	03FEB06*	5	09FEB06	238			0.00	30	1,332.73
1416B-173	Side A Coil Assy-Chill Plates and Tubing	07FEB06*	45	10APR06	196			0.00	30	23,999.26
1416B-177	Side A Coil Assy-Check and Promote	11APR06	10	24APR06	196			0.00	30	2,667.15
1416B-181	Side B Coil Assy-Cladding Asm	14DEC05*	35	08FEB06	214			0.00	30	20,312.02
1416B-185	Side B Coil Assy-Cond Layers, Geom Files	30JAN06*	5	03FEB06	242			0.00	30	2,667.15
1416B-189	Side B Coil Assy-Magnetic Loops	03FEB06*	5	09FEB06	238			0.00	30	1,332.73
1416B-193	Side B Coil Assy-Chill Plates and Tubing	07FEB06*	45	10APR06	196			0.00	30	26,114.67
1416B-197	Side B Coil Assy-Check and Promote	11APR06	10	24APR06	196			0.00	30	2,667.15
1416B-201	Coil Post VPI mods-Studs Removed	31JAN06*	5	06FEB06	246			0.00	30	1,332.73
1416B-205	Coil Post VPI mods-Clamp Arrangement	03FEB06*	5	09FEB06	243			0.00	30	2,667.15
1416B-209	Coil Post VPI mods-Check and Promote	10FEB06	5	16FEB06	243			0.00	30	1,332.73
1416B-213	Clamp Assy-Clamp Hardware	25JAN06*	1	25JAN06	258			0.00	30	266.55
1416B-217	Clamp Assy-Check and Promote	26JAN06	1	26JAN06	258			0.00	30	266.55
1416B-221	I&C-Strain Gages and T/C	03MAR06*	5	09MAR06	223			0.00	30	1,332.73
1416B-225	I&C-Rogowski Coils	08MAR06*	5	14MAR06	220			0.00	30	2,667.15
1416B-229	I&C-Check and Promote	15MAR06	5	21MAR06	220			0.00	30	1,332.73
1416B-233	Coil-to-Coil -Current Feed Insul, Covers	23FEB06*	5	01MAR06	229			0.00	30	1,332.73



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Forecast
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September Status

Completed tasks summarized

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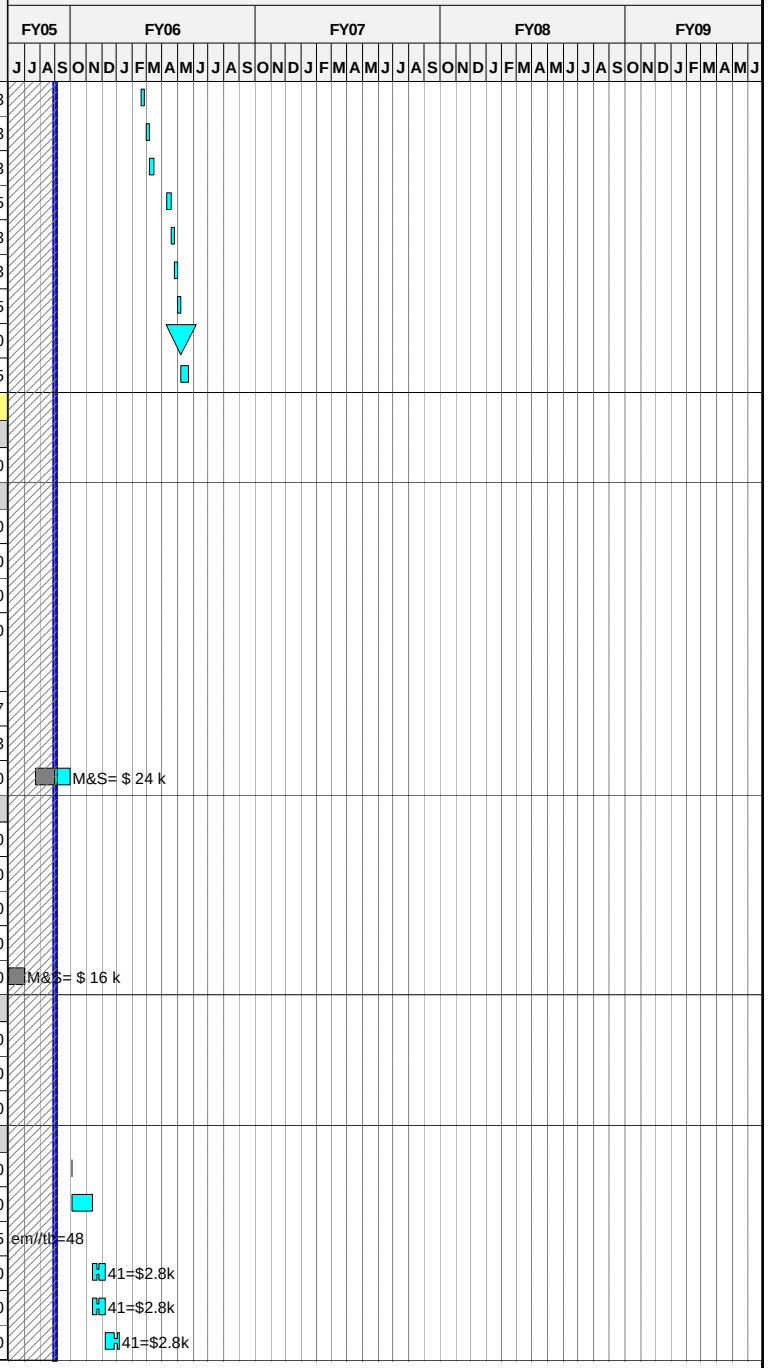
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
1416B-237	Coil-to-Coil -Windings Insul Blanket	20FEB06*	5	24FEB06	232			0.00	30	1,332.73
1416B-241	Coil-to-Coil -Bushing Installation	28FEB06*	5	06MAR06	226			0.00	30	1,332.73
1416B-245	Coil-to-Coil -Check and Promote	07MAR06	5	13MAR06	226			0.00	30	1,332.73
1416B-249	-Type-B Coil Asm Specification	11APR06*	5	17APR06	191			0.00	30	2,667.15
1416B-253	-Review and Approve Type-B Spec	18APR06	5	24APR06	191			0.00	30	1,332.73
1416B-257	-Update Coil Fab Procedures	25APR06	5	01MAY06	191			0.00	30	1,332.73
1416B-261	-Prepare and Conduct FDR	02MAY06*	5	08MAY06	191			0.00	30	2,667.15
1416B-262	TYPE B FDR		0	08MAY06	191			0.00	30	0.00
1416B-265	-Resolve FDR Comments	09MAY06	10	22MAY06	191			0.00	30	2,667.15
Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI										
Prior Costs										
1408-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64	30SEP03A			100	29,790.00	0	29,790.00
Copper Conductor										
1408-141	Copper Conductor -Spec & Requisition	02AUG04A	3	27AUG04A			100	2,472.00	40	2,472.00
1408-142	Copper Conductor -Prep & Issue RFQ/RFP	30AUG04A	23*	30SEP04A			100	0.00	40	0.00
1408-143	Copper Conductor -Evaluate Bids & Award	30SEP04A	5	30SEP04A			100	0.00	40	0.00
1408-143.1	Mod Coil Copper Conductor Awarded		0	01OCT04A			100	0.00	40	0.00
1408-147	Copper Conductor -Delivery #1 PE005371	01OCT04A	63*	23DEC04A			100	12,002.97	40	12,002.97
1408-145	Copper Conductor -Delivery #2 PE005371	01MAR05A	66*	29APR05A			100	228,056.43	10	228,056.43
1408-146	Add'l Copper Conductor f/trial winding PE005371	25JUL05A	50*	30SEP05	1,015		94*	28,899.36	10	30,744.00
Insulation for conductor										
1408-101	Insulation-Spec & Requisition	09JUL04A	3*	13JUL04A			100	0.00	40	0.00
1408-103	Insulation-Prep & Issue RFQ/RFP	01AUG04A	10	20AUG04A			100	0.00	40	0.00
1408-104	Insulation-Evaluate Bids & Award	23AUG04A	5	31AUG04A			100	0.00	40	0.00
1408-107	Insulation-Initial Delivery for Production	31JAN05A	11	31JAN05A			100	6,405.00	40	6,405.00
1408-108	Insulation-Delivery incl add'l f/trial winding	01JUN05A	0*	30JUN05A			100	20,496.00	30	20,496.00
Groundwrap Insulation										
1408-110	Grndwrap Insulation-Spec & Requisition	03JAN05A	3	31JAN05A			100	0.00	40	0.00
1408-112	Grndwrap-Bid & Award	03JAN05A	3	31JAN05A			100	0.00	40	0.00
1408-112.1	Grndwrap-Delivery	31JAN05A	37*	28FEB05A			100	25,620.00	40	25,620.00
Cladding										
1408-501	Submet Requisition for Type C Cladding	03OCT05	1	03OCT05	135			0.00	30	0.00
1408-503	Bid and Award Type C Cladding	04OCT05	30	14NOV05	135			0.00	30	0.00
1408-505	PPPL Fabr Cladding Type C for Coil c1	01MAY05A	15	31MAY05A			100	3,586.65	30	3,586.65
1408-507	PPPL Fabr Cladding Type C for Coil c2	15NOV05	15	07DEC05	969			0.00	30	4,141.20
1408-509	Fabr Cladding Type C for Coil c3	15NOV05	15	07DEC05	135			0.00	30	4,141.20
1408-511	Fabr Cladding Type C for Coil c4	08DEC05	15	05JAN06	135			0.00	30	4,141.20



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Completed tasks summarized

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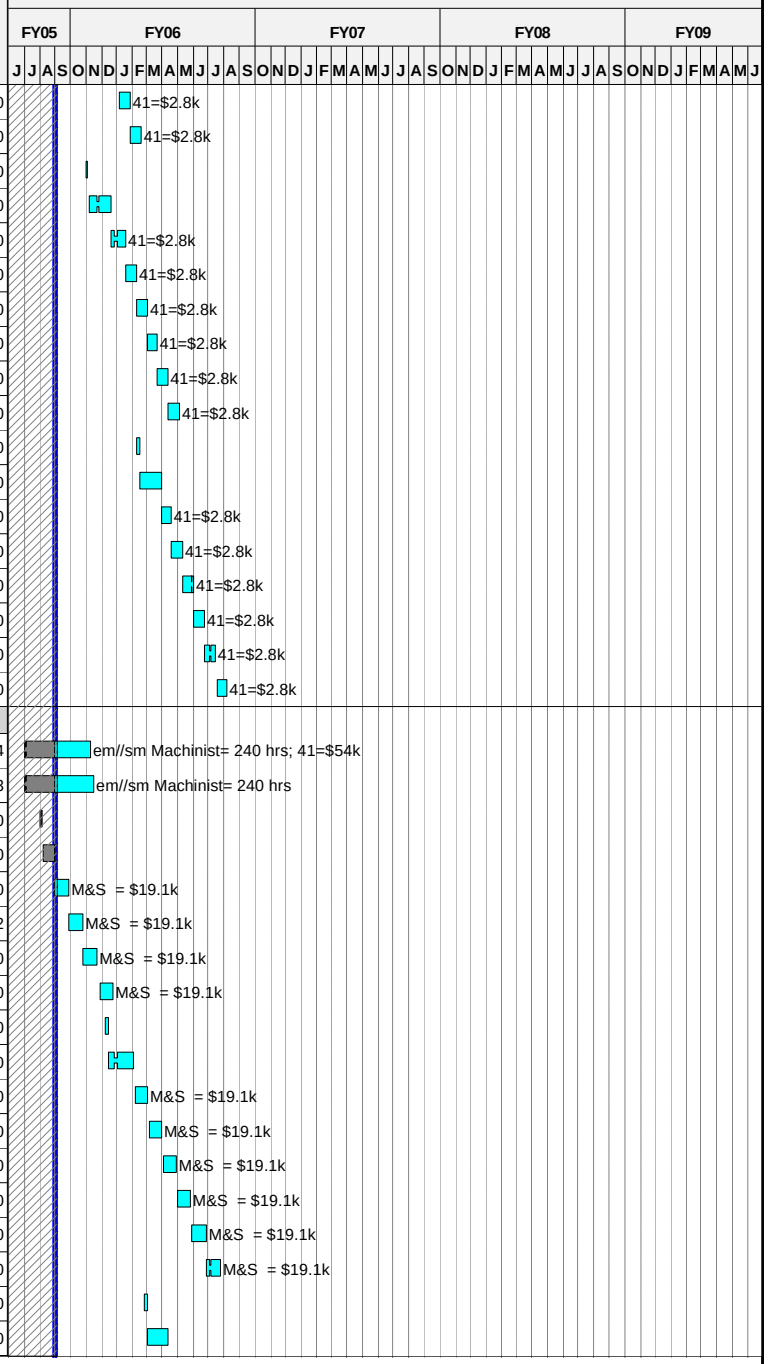
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
1408-513	Fabr Cladding Type C for Coil c5	06JAN06	15	26JAN06	135			0.00	30	4,141.20
1408-515	Fabr Cladding Type C for Coil c6	27JAN06	15	16FEB06	143			0.00	30	4,141.20
1408-517	Submet Requisition for Type A Cladding	31OCT05	5	04NOV05	186			0.00	30	0.00
1408-519	Bid and Award Type A Cladding	07NOV05	30	20DEC05	186			0.00	30	0.00
1408-521	Fabr Cladding Type A for Coil a1	21DEC05	15	18JAN06	186			0.00	30	4,141.20
1408-523	Fabr Cladding Type A for Coil a2	19JAN06	15	08FEB06	206			0.00	30	4,141.20
1408-525	Fabr Cladding Type A for Coil a3	09FEB06	15	01MAR06	214			0.00	30	4,141.20
1408-527	Fabr Cladding Type A for Coil a4	02MAR06	15	22MAR06	246			0.00	30	4,141.20
1408-529	Fabr Cladding Type A for Coil a5	23MAR06	15	12APR06	252			0.00	30	4,141.20
1408-531	Fabr Cladding Type A for Coil a6	13APR06	15	03MAY06	252			0.00	30	4,141.20
1408-533	Submet Requisition for Type B Cladding	09FEB06	5	15FEB06	214			0.00	30	0.00
1408-535	Bid and Award Type B Cladding	16FEB06	30	29MAR06	214			0.00	30	0.00
1408-537	Fabr Cladding Type B for Coil b1	30MAR06	15	19APR06	214			0.00	30	4,141.20
1408-539	Fabr Cladding Type B for Coil b2	20APR06	15	10MAY06	258			0.00	30	4,141.20
1408-541	Fabr Cladding Type B for Coil b3	11MAY06	15	01JUN06	301			0.00	30	4,141.20
1408-543	Fabr Cladding Type B for Coil b4	02JUN06	15	22JUN06	304			0.00	30	4,141.20
1408-545	Fabr Cladding Type B for Coil b5	23JUN06	15	14JUL06	324			0.00	30	4,141.20
1408-547	Fabr Cladding Type B for Coil b6	17JUL06	15	04AUG06	367			0.00	30	4,141.20
Lead hardware & Fillers										
1408-705	Fabr Lead HW Type C for Coil c1	01JUL05A	94*	10NOV05	130		50	49,308.87	30	98,617.74
1408-707	Fabr Lead HW Type C for Coil c2	01JUL05A	97*	15NOV05	137		50	13,105.17	30	26,210.33
1408-701	Submet Requisition for Type C3-C6 Lead HW	01AUG05A	5	05AUG05A				0.00	30	0.00
1408-703	Bid and Award Type C3-C6 Lead HW	08AUG05A	30	31AUG05A				0.00	30	0.00
1408-709	Fabr Lead HW Type C for Coil c3	01SEP05	20	28SEP05	213			0.00	30	24,467.10
1408-711	Fabr Lead HW Type C for Coil c4	29SEP05	20	26OCT05	213			0.00	30	27,870.72
1408-713	Fabr Lead HW Type C for Coil c5	27OCT05	20	23NOV05	228			0.00	30	28,248.90
1408-715	Fabr Lead HW Type C for Coil c6	28NOV05	20	23DEC05	484			0.00	30	28,248.90
1408-717	Submet Requisition for Type A Lead HW	09DEC05	5	15DEC05	176			0.00	30	0.00
1408-719	Bid and Award Type A Lead HW	16DEC05	30	03FEB06	176			0.00	30	0.00
1408-721	Fabr Lead HW Type A for Coil a1	06FEB06	20	03MAR06	176			0.00	30	28,248.90
1408-723	Fabr Lead HW Type A for Coil a2	06MAR06	20	31MAR06	183			0.00	30	28,248.90
1408-725	Fabr Lead HW Type A for Coil a3	03APR06	20	28APR06	183			0.00	30	28,248.90
1408-727	Fabr Lead HW Type A for Coil a4	01MAY06	20	26MAY06	210			0.00	30	28,248.90
1408-729	Fabr Lead HW Type A for Coil a5	30MAY06	20	26JUN06	225			0.00	30	28,248.90
1408-731	Fabr Lead HW Type A for Coil a6	27JUN06	20	25JUL06	374			0.00	30	28,248.90
1408-733	Submet Requisition for Type B Lead HW	24FEB06	5	02MAR06	209			0.00	30	0.00
1408-735	Bid and Award Type B Lead HW	03MAR06	30	13APR06	209			0.00	30	0.00



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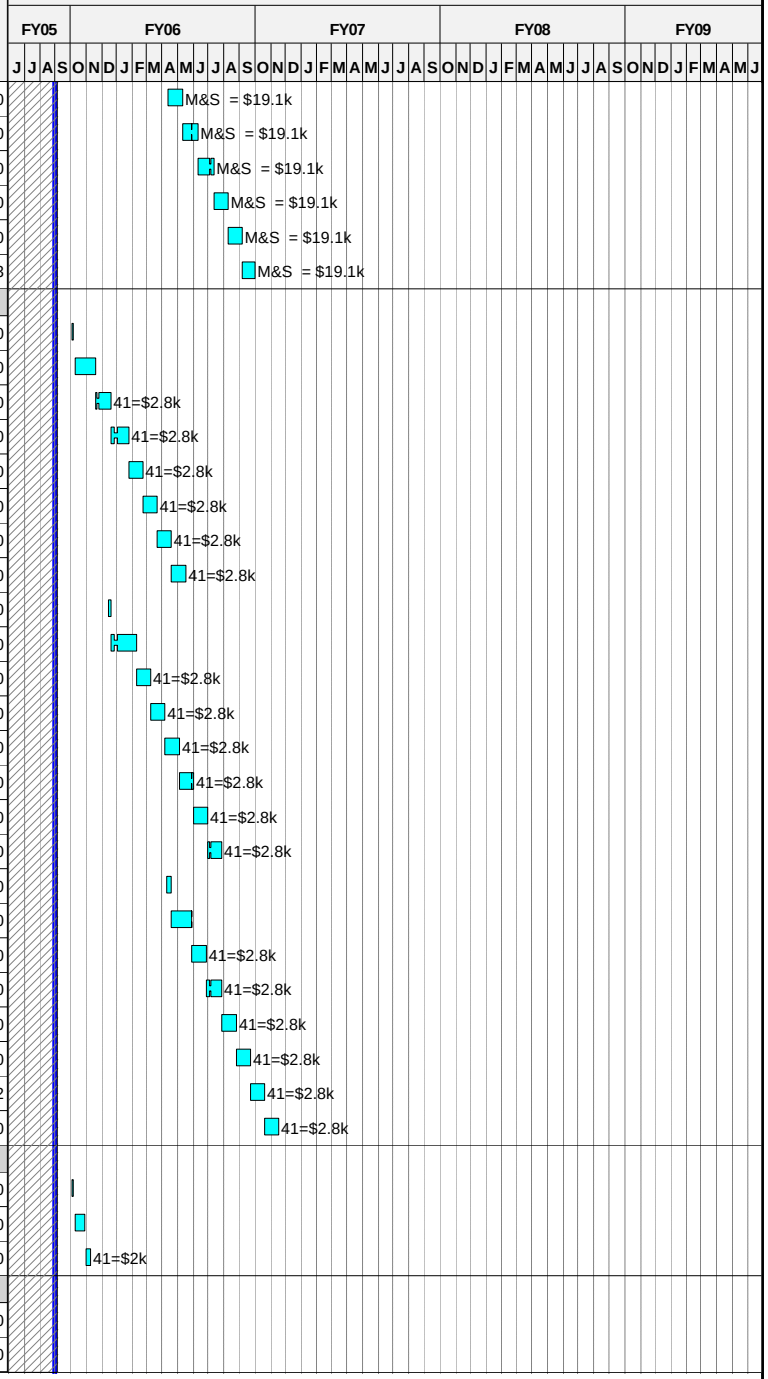
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
1408-737	Fabr Lead HW Type B for Coil b1	14APR06	20	11MAY06	209			0.00	30	28,248.90
1408-739	Fabr Lead HW Type B for Coil b2	12MAY06	20	09JUN06	248			0.00	30	28,248.90
1408-741	Fabr Lead HW Type B for Coil b3	12JUN06	20	10JUL06	284			0.00	30	28,248.90
1408-743	Fabr Lead HW Type B for Coil b4	11JUL06	20	07AUG06	284			0.00	30	28,248.90
1408-745	Fabr Lead HW Type B for Coil b5	08AUG06	20	04SEP06	299			0.00	30	28,248.90
1408-747	Fabr Lead HW Type B for Coil b6	05SEP06	20	02OCT06	337			0.00	30	28,159.13
Chill Plates										
1408-601	Submet Requisition for Type C Chill Plts	03OCT05	5	07OCT05	140			0.00	30	0.00
1408-603	Bid and Award Type C Chill Plts	10OCT05	30	18NOV05	140			0.00	30	0.00
1408-605	Fabr Chill Plts Type C for Coil c1	21NOV05	20	20DEC05	140			0.00	30	4,141.20
1408-607	Fabr Chill Plts Type C for Coil c2	21DEC05	20	25JAN06	140			0.00	30	4,141.20
1408-609	Fabr Chill Plts Type C for Coil c3	26JAN06	20	22FEB06	151			0.00	30	4,141.20
1408-611	Fabr Chill Plts Type C for Coil c4	23FEB06	20	22MAR06	151			0.00	30	4,141.20
1408-613	Fabr Chill Plts Type C for Coil c5	23MAR06	20	19APR06	166			0.00	30	4,141.20
1408-615	Fabr Chill Plts Type C for Coil c6	20APR06	20	17MAY06	421			0.00	30	4,141.20
1408-617	Submet Requisition for Type A Chill Plts	14DEC05	5	20DEC05	208			0.00	30	0.00
1408-619	Bid and Award Type A Chill Plts	21DEC05	30	08FEB06	208			0.00	30	0.00
1408-621	Fabr Chill Plts Type A for Coil a1	09FEB06	20	08MAR06	208			0.00	30	4,141.20
1408-623	Fabr Chill Plts Type A for Coil a2	09MAR06	20	05APR06	215			0.00	30	4,141.20
1408-625	Fabr Chill Plts Type A for Coil a3	06APR06	20	03MAY06	215			0.00	30	4,141.20
1408-627	Fabr Chill Plts Type A for Coil a4	04MAY06	20	01JUN06	242			0.00	30	4,141.20
1408-629	Fabr Chill Plts Type A for Coil a5	02JUN06	20	29JUN06	258			0.00	30	4,141.20
1408-631	Fabr Chill Plts Type A for Coil a6	30JUN06	20	28JUL06	406			0.00	30	4,141.20
1408-633	Submet Requisition for Type B Chill Plts	11APR06	5	17APR06	212			0.00	30	0.00
1408-635	Bid and Award Type B Chill Plts	18APR06	30	30MAY06	212			0.00	30	0.00
1408-637	Fabr Chill Plts Type B for Coil b1	31MAY06	20	27JUN06	212			0.00	30	4,141.20
1408-639	Fabr Chill Plts Type B for Coil b2	28JUN06	20	26JUL06	252			0.00	30	4,141.20
1408-641	Fabr Chill Plts Type B for Coil b3	27JUL06	20	23AUG06	287			0.00	30	4,141.20
1408-643	Fabr Chill Plts Type B for Coil b4	24AUG06	20	20SEP06	287			0.00	30	4,141.20
1408-645	Fabr Chill Plts Type B for Coil b5	21SEP06	20	18OCT06	301			0.00	30	3,970.12
1408-647	Fabr Chill Plts Type B for Coil b6	19OCT06	20	15NOV06	340			0.00	30	3,878.00
Tubing										
1408-761	Submet Requisition for Tubing	03OCT05	5	07OCT05	170			0.00	30	0.00
1408-763	Bid and Award Tubing	10OCT05	15	28OCT05	170			0.00	30	0.00
1408-765	Deliver Tubing	31OCT05	10	11NOV05	170			0.00	30	2,958.00
Epoxy										
1408-111	Epoxy - Requisition	01JAN05A	5	31JAN05A			100	0.00	30	0.00
1408-114	Epoxy -Evaluate Bids & Award	01MAY05A	10	31MAY05A			100	0.00	30	0.00



Run Date 04OCT05 13:21

Forecast
Progress Bar
Critical Activity

EC38

NCSX
September Status

Completed tasks summarized

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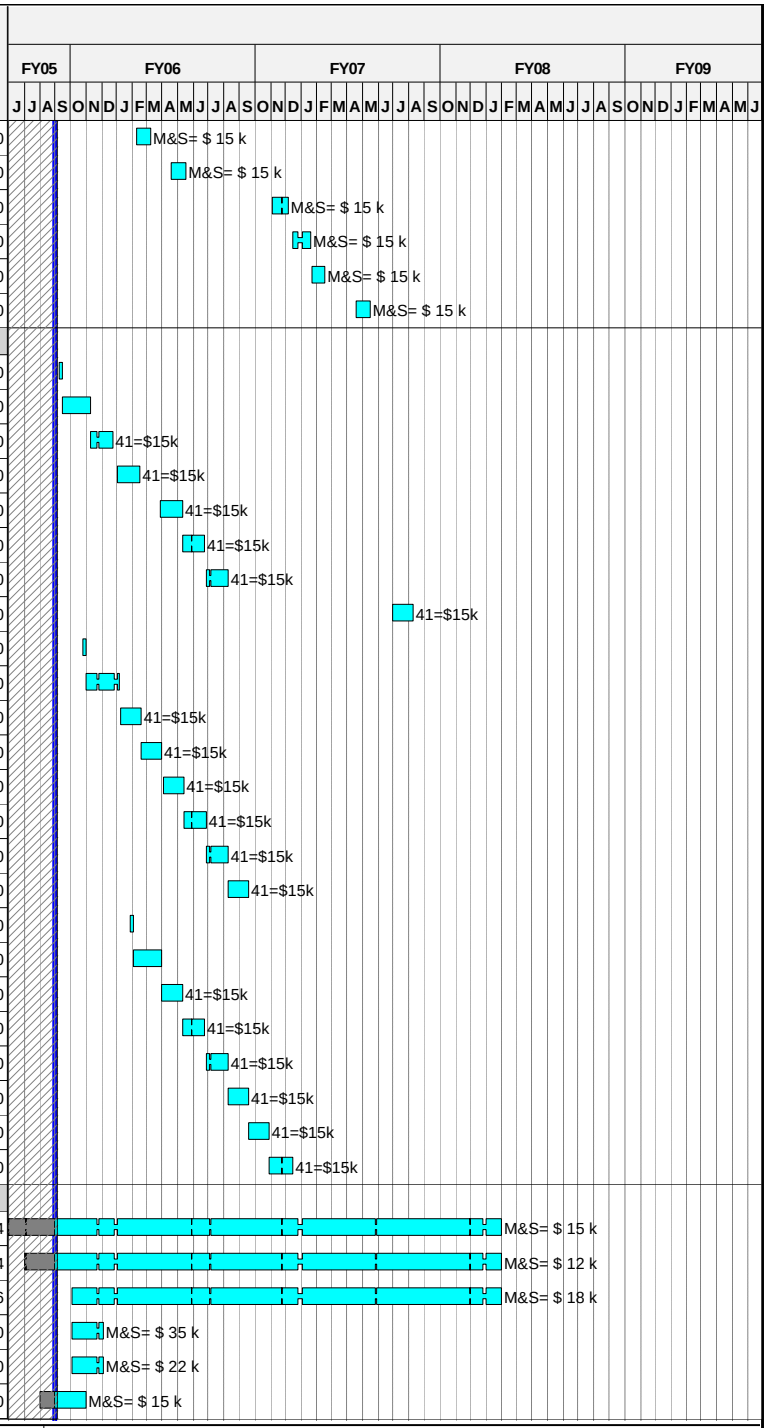
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
1408-117	Epoxy -1st Delivery for Production	10FEB06	20	09MAR06	223			0.00	30	22,185.00
1408-119	Epoxy -2nd Delivery for Production	18APR06	20	15MAY06	200			0.00	30	22,185.00
1408-121	Epoxy -3rd Delivery for Production	06NOV06	20	05DEC06	120			0.00	30	20,775.00
1408-123	Epoxy -4th Delivery for Production	15DEC06	20	19JAN07	113			0.00	30	20,775.00
1408-125	Epoxy -5th Delivery for Production	22JAN07	20	16FEB07	113			0.00	30	20,775.00
1408-127	Epoxy -6th Delivery for Production	19APR07	20	16MAY07	148			0.00	30	20,775.00
Clamps										
1408-901	Submet Requisition for Type C Clamps	08SEP05	5	14SEP05	223			0.00	30	0.00
1408-903	Bid and Award Type C Clamps	15SEP05	40	09NOV05	223			0.00	30	0.00
1408-905	Fabr Clamps Type C for Coil c1	10NOV05	30	23DEC05	223			0.00	30	22,185.00
1408-907	Fabr Clamps Type C for Coil c2	03JAN06	30	13FEB06	223			0.00	30	22,185.00
1408-909	Fabr Clamps Type C for Coil c3	29MAR06	30	09MAY06	192			0.00	30	22,185.00
1408-911	Fabr Clamps Type C for Coil c4	10MAY06	30	21JUN06	192			0.00	30	22,185.00
1408-913	Fabr Clamps Type C for Coil c5	27JUN06	30	08AUG06	189			0.00	30	22,185.00
1408-915	Fabr Clamps Type C for Coil c6	29JUN07	30	09AUG07	164			0.00	30	20,775.00
1408-917	Submet Requisition for Type A Clamps	26OCT05	5	01NOV05	258			0.00	30	0.00
1408-919	Bid and Award Type A Clamps	02NOV05	40	06JAN06	258			0.00	30	0.00
1408-921	Fabr Clamps Type A for Coil a1	09JAN06	30	17FEB06	258			0.00	30	22,185.00
1408-923	Fabr Clamps Type A for Coil a2	20FEB06	30	31MAR06	258			0.00	30	22,185.00
1408-925	Fabr Clamps Type A for Coil a3	03APR06	30	12MAY06	258			0.00	30	22,185.00
1408-927	Fabr Clamps Type A for Coil a4	15MAY06	30	26JUN06	258			0.00	30	22,185.00
1408-929	Fabr Clamps Type A for Coil a5	27JUN06	30	08AUG06	258			0.00	30	22,185.00
1408-931	Fabr Clamps Type A for Coil a6	09AUG06	30	19SEP06	396			0.00	30	22,185.00
1408-933	Submet Requisition for Type B Clamps	27JAN06	5	02FEB06	286			0.00	30	0.00
1408-935	Bid and Award Type B Clamps	03FEB06	40	30MAR06	286			0.00	30	0.00
1408-937	Fabr Clamps Type B for Coil b1	31MAR06	30	11MAY06	286			0.00	30	22,185.00
1408-939	Fabr Clamps Type B for Coil b2	12MAY06	30	23JUN06	298			0.00	30	22,185.00
1408-941	Fabr Clamps Type B for Coil b3	26JUN06	30	07AUG06	323			0.00	30	22,185.00
1408-943	Fabr Clamps Type B for Coil b4	08AUG06	30	18SEP06	323			0.00	30	22,185.00
1408-945	Fabr Clamps Type B for Coil b5	19SEP06	30	30OCT06	346			0.00	30	21,198.00
1408-947	Fabr Clamps Type B for Coil b6	31OCT06	30	13DEC06	346			0.00	30	20,775.00
Other										
1408-137	Safety & PPE equipt & supplies	01MAY05A	689*	31JAN08	434		20	4,216.43	30	21,082.14
1408-138	Misc. Supplies	01JUL05A	646*	31JAN08	434		50	8,482.57	30	16,965.14
1408-173	Epoxy for Shell Mold (Hysol)	03OCT05*	581*	31JAN08	434			0.00	30	25,715.06
1408-183	Tubing (Chem flor and Poly)	03OCT05*	45	06DEC05	970			0.00	30	51,765.00
1408-184	Vulcanizing tape, felt and RTV	03OCT05*	45	06DEC05	970			0.00	30	32,538.00
1408-185	Valves and Fittings	01AUG05A	66*	31OCT05	994		50	7,025.45	30	20,160.00



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Forecast
Progress Bar
Critical Activity

EC38

NCSX
September Status

Completed tasks summarized

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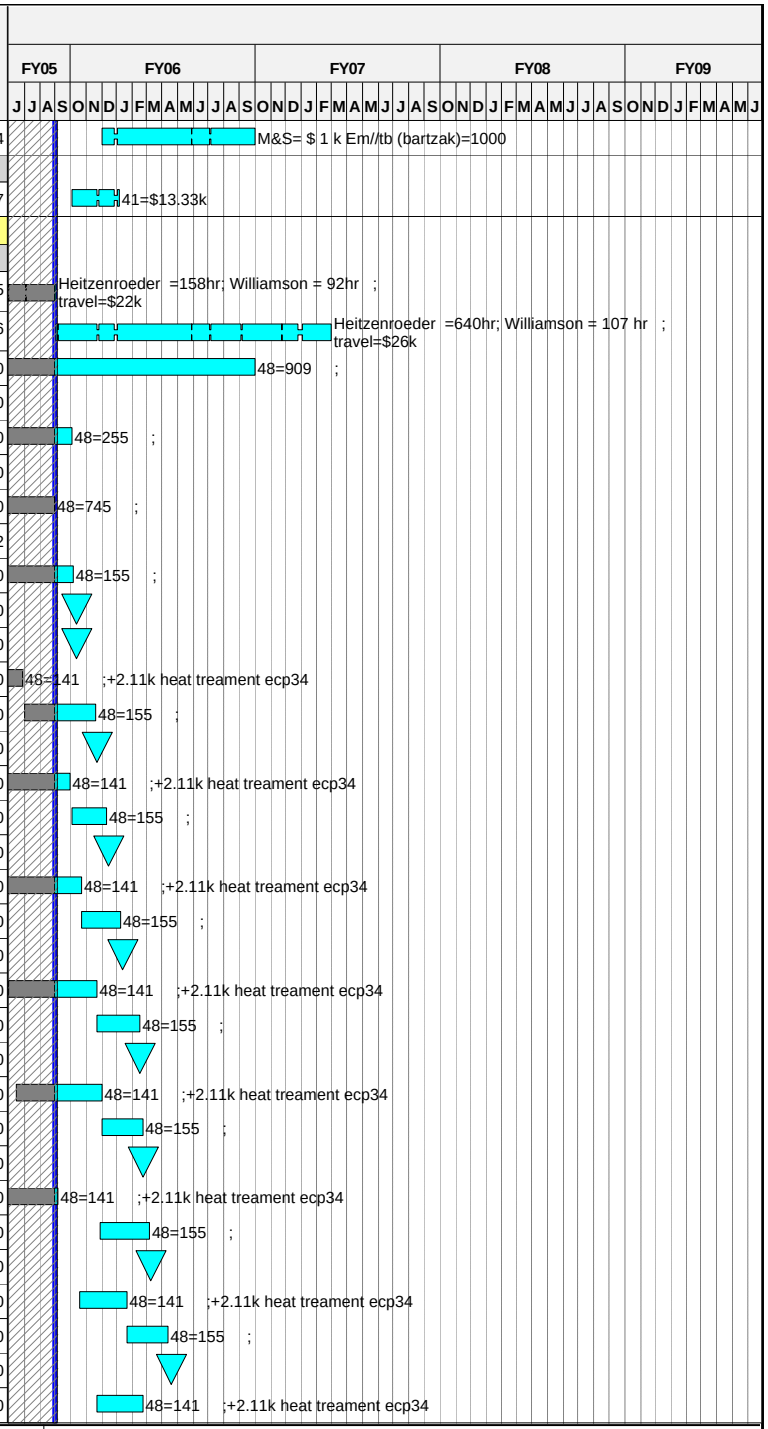
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
1408-186	Manifolds	01DEC05*	209*	29SEP06	765			0.00	30	86,825.04
I&C										
174-035	Modular Coil local I&C -Procurement	03OCT05	60	04JAN06	305			0.00	24	19,715.07
Job: 1411-MCWF Fabrication S005242-HEITZENROEDER										
172-031	Title III engr	24MAY04A	320*	01SEP05	1,030		LOE	75,999.87	40	76,228.55
172-031.1	Title III engr	02SEP05*	370*	01MAR07	660		LOE	0.00	40	173,183.16
MCWF-001	EIO Project Mgt. & Reporting	29OCT04A	497*	02OCT06	773		50	454,415.00	10	908,830.00
MCWF-011	Pattern A complete	29OCT04A	126*	01APR05A			100	290,125.00	10	290,125.00
MCWF-021	Pattern B complete	01DEC04A	216*	03OCT05	1,033		95	242,364.00	10	255,120.00
MCWF-031	Major Tool Tooling Complete	29OCT04A	82*	28FEB05A			100	628,622.00	10	628,622.00
MCWF-041	Materials (MetalTek)	29NOV04A	282*	31AUG05A			100	744,750.00	10	744,750.00
MCWF-051	C1-MTK-casting upgrade	20DEC04A	63*	31MAR05A			100	146,248.12	10	146,248.12
MCWF-061	C1-MTM - machining/inspection	01APR05A	136*	07OCT05	118	M	90	139,419.00	10	154,910.00
C-121.1	First MCWF C-1 Delivered		0	11OCT05	118			0.00	10	0.00
MCWF-071	C1-Receive at PPPL		0	11OCT05	110	CD		0.00	10	0.00
MCWF-081	C2-MTK-casting	01APR05A	66*	27JUN05A			100	142,920.00	10	142,920.00
MCWF-091	C2-MTM - machining/inspection	01JUL05A	101*	18NOV05	116	M	70	108,437.00	10	154,910.00
MCWF-101	C2-Receive at PPPL		0	22NOV05	108	CD		0.00	10	0.00
MCWF-141	C3-MTK-casting	12MAY05A	102*	30SEP05	123		90	128,628.00	10	142,920.00
MCWF-151	C3-MTM - machining/inspection	03OCT05	51*	12DEC05	123	M		0.00	10	154,910.00
MCWF-161	C3-Receive at PPPL		0	14DEC05	116	CD		0.00	10	0.00
MCWF-201	C4-MTK-casting	16MAY05A	115*	21OCT05	126		75	107,190.00	10	142,920.00
MCWF-211	C4-MTM - machining/inspection	24OCT05	56*	09JAN06	126	M		0.00	10	154,910.00
MCWF-221	C4-Receive at PPPL		0	11JAN06	124	CD		0.00	10	0.00
MCWF-261	C5-MTK-casting	30MAY05A	126*	21NOV05	123		50	71,460.00	10	142,920.00
MCWF-271	C5-MTM - machining/inspection	22NOV05	60*	13FEB06	123	M		0.00	10	154,910.00
MCWF-281	C5-Receive at PPPL		0	15FEB06	121	CD		0.00	10	0.00
MCWF-291	C6-MTK-casting	16JUN05A	121*	01DEC05	141		35	50,022.00	10	142,920.00
MCWF-301	C6-MTM - machining/inspection	02DEC05	57*	20FEB06	141	M		0.00	10	154,910.00
MCWF-311	C6-Receive at PPPL		0	22FEB06	138	CD		0.00	10	0.00
MCWF-111	A1-MTK-casting	22APR05A	98*	06SEP05	211		99	141,678.90	10	143,110.00
MCWF-121	A1-MTM - machining/inspection	29NOV05*	70*	06MAR06	152	M		0.00	10	154,910.00
MCWF-131	A1-Receive at PPPL		0	09MAR06	149	CD		0.00	10	0.00
MCWF-171	A2-MTK-casting	21OCT05*	65	19JAN06	162			0.00	10	142,920.00
MCWF-181	A2-MTM - machining/inspection	20JAN06	60	13APR06	162	M		0.00	10	154,910.00
MCWF-191	A2-Receive at PPPL		0	17APR06	157	CD		0.00	10	0.00
MCWF-351	A3-MTK-casting	24NOV05*	64	21FEB06	162			0.00	10	143,110.00



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Forecast
Progress Bar
Critical Activity

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September Status

Completed tasks summarized

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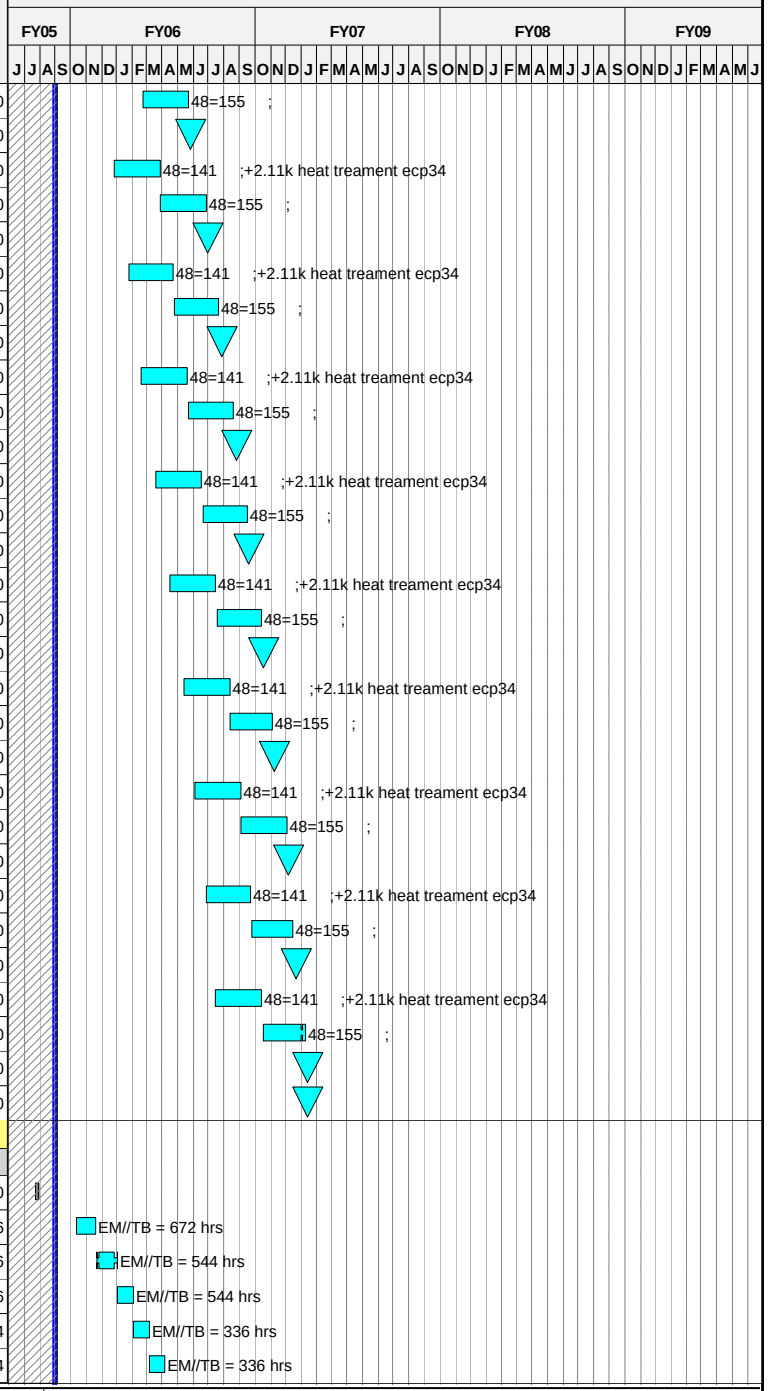
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
MCWF-361	A3-MTM - machining/inspection	22FEB06	64	22MAY06	162	M		0.00	10	154,910.00
MCWF-371	A3-Receive at PPPL		0	25MAY06	152	CD		0.00	10	0.00
MCWF-231	B1-MTK-casting	27DEC05*	65*	27MAR06	173			0.00	10	142,920.00
MCWF-241	B1-MTM - machining/inspection	28MAR06	65*	26JUN06	173	M		0.00	10	154,910.00
MCWF-251	B1-Receive at PPPL		0	28JUN06	164	CD		0.00	10	0.00
MCWF-381	A4-MTK-casting	23JAN06*	65*	21APR06	165			0.00	10	142,920.00
MCWF-391	A4-MTM - machining/inspection	24APR06	65*	21JUL06	165	M		0.00	10	154,910.00
MCWF-401	A4-Receive at PPPL		0	26JUL06	157	CD		0.00	10	0.00
MCWF-411	A5-MTK-casting	20FEB06*	65*	19MAY06	170			0.00	10	142,920.00
MCWF-421	A5-MTM - machining/inspection	22MAY06	65*	18AUG06	170	M		0.00	10	154,910.00
MCWF-431	A5-Receive at PPPL		0	23AUG06	162	CD		0.00	10	0.00
MCWF-441	A6-MTK-casting	20MAR06*	65*	16JUN06	162			0.00	10	142,920.00
MCWF-451	A6-MTM - machining/inspection	19JUN06	65*	15SEP06	162	M		0.00	10	155,000.00
MCWF-461	A6-Receive at PPPL		0	19SEP06	155	CD		0.00	10	0.00
MCWF-321	B2-MTK-casting	17APR06*	65*	14JUL06	153			0.00	10	142,920.00
MCWF-331	B2-MTM - machining/inspection	17JUL06	65*	13OCT06	153	M		0.00	10	154,910.00
MCWF-341	B2-Receive at PPPL		0	17OCT06	146	CD		0.00	10	0.00
MCWF-471	B3-MTK-casting	15MAY06*	65*	11AUG06	195			0.00	10	142,920.00
MCWF-481	B3-MTM - machining/inspection	14AUG06	60*	03NOV06	195	M		0.00	10	154,910.00
MCWF-491	B3-Receive at PPPL		0	07NOV06	188	CD		0.00	10	0.00
MCWF-501	B4-MTK-casting	05JUN06*	65*	01SEP06	192			0.00	10	142,920.00
MCWF-511	B4-MTM - machining/inspection	04SEP06	65*	01DEC06	192	M		0.00	10	154,910.00
MCWF-521	B4-Receive at PPPL		0	05DEC06	187	CD		0.00	10	0.00
MCWF-531	B5-MTK-casting	26JUN06*	65*	22SEP06	216			0.00	10	142,920.00
MCWF-541	B5-MTM - machining/inspection	25SEP06	60*	15DEC06	216	M		0.00	10	154,910.00
MCWF-551	B5-Receive at PPPL		0	20DEC06	211	CD		0.00	10	0.00
MCWF-561	B6-MTK-casting	14JUL06*	66*	13OCT06	265			0.00	10	142,920.00
MCWF-571	B6-MTM - machining/inspection	16OCT06	60*	08JAN07	265	M		0.00	10	154,910.00
MCWF-581	B6-Receive at PPPL		0	11JAN07	260	CD		0.00	10	0.00
C-501B1	Last MCWF Delivered		0	11JAN07	265			0.00	10	0.00
Job: 1451 - Mod Coil Winding-CHRZANOWSKI										
Station 1 Prep casring & Install Cladding										
1451TRAIN	Training for winding teams	25JUL05A	3	29JUL05A				0.00	20	0.00
P1-001	Rec C1,Prep& Instl Cladding>>@125% 1 shift	12OCT05	28	18NOV05	110	1	5	2,655.41	20	53,108.16
P1-091	Receive C2, Prep& Instl Cladding	23NOV05	22	03JAN06	108	1		0.00	20	45,445.76
P2-091	Receive C3, Prep& Instl Cladding	04JAN06	22	02FEB06	108	1		0.00	20	45,445.76
P3-091	Receive C4, Prep& Instl Cladding	03FEB06	22	06MAR06	108	1		0.00	30	28,069.44
P1-121	Receive C5, Prep& Instl Cladding	07MAR06	22	05APR06	108	1		0.00	30	28,069.44



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Forecast
Progress Bar
Critical Activity

EC38

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Completed tasks summarized

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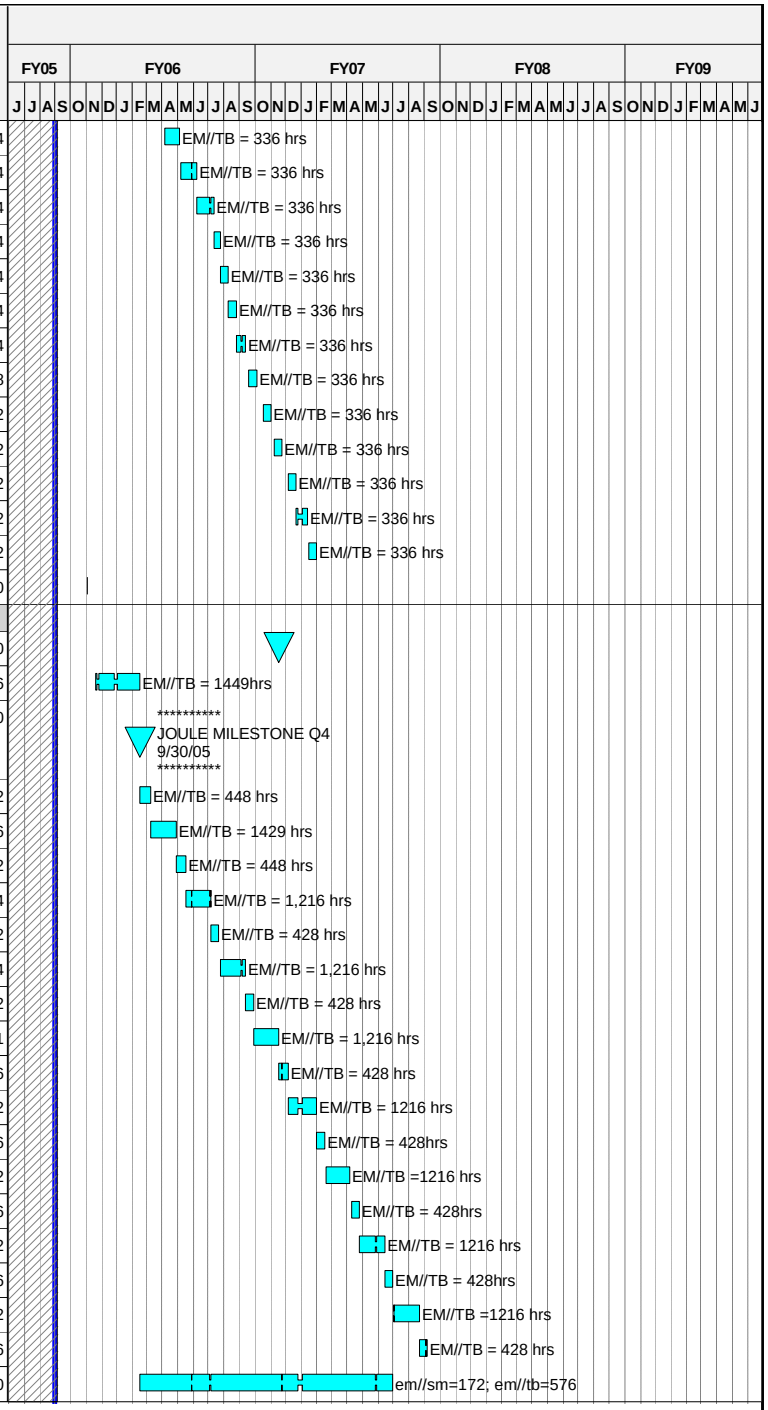
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
P2-031	Receive C6, Prep& Instl Cladding	06APR06	22	05MAY06	108	1		0.00	30	28,069.44
P2-001	Receive A1, Prep& Instl Cladding	08MAY06	22	07JUN06	108	1		0.00	30	28,069.44
P3-001	Receive A2, Prep& Instl Cladding	08JUN06	22	10JUL06	121	1		0.00	30	28,069.44
P3-031	Receive A3, Prep& Instl Cladding	11JUL06	11	25JUL06	122	2		0.00	30	28,069.44
P1-031	Receive B1, Prep& Instl Cladding	26JUL06	11	09AUG06	146	2		0.00	30	28,069.44
P3-121	Receive A4, Prep& Instl Cladding	10AUG06	11	24AUG06	147	2		0.00	30	28,069.44
P1-061	Receive A5, Prep& Instl Cladding	25AUG06	11	11SEP06	161	2		0.00	30	28,069.44
P1-151	Receive A6, Prep& Instl Cladding	20SEP06	11	04OCT06	155	2		0.00	30	28,470.88
P2-121	Receive B2, Prep& Instl Cladding	18OCT06	11	01NOV06	146	2		0.00	30	28,717.92
P2-061	Receive B3, Prep& Instl Cladding	08NOV06	11	22NOV06	188	2		0.00	30	28,717.92
P2-151	Receive B4, Prep& Instl Cladding	06DEC06	11	20DEC06	187	2		0.00	30	28,717.92
P3-061	Receive B5, Prep& Instl Cladding	21DEC06	11	12JAN07	211	2		0.00	30	28,717.92
P3-151	Receive B6, Prep& Instl Cladding	15JAN07	11	29JAN07	259	2		0.00	30	28,717.92
P1-000	ECP36 holes for cooling lines included in above	03NOV05*	1	03NOV05	986			0.00	30	0.00
Station 2-Winding, Instl Chill Plates,Tubing,Bag										
P2-041JOUL	JOULE FY07 Cmplt winding one-half modular coils		0	15NOV06	216	2		0.00		0.00
P1-011	Wind coil C1>>@150%	21NOV05	53	13FEB06	112	2		0.00	20	121,049.46
P1-011J	Complete Winding First Modular Coil		0	13FEB06	112	2		0.00		0.00
P1-020	Instl Chill Plates,Tubing, Bag C1>>@150%	14FEB06	18	09MAR06	112	2		0.00	20	37,425.92
P2-101	Wind coil C-3	10MAR06	35	27APR06	112	2		0.00	20	119,378.66
P2-110	Instl Chill Plates,Tubing,Bag C3	28APR06	12	15MAY06	112	2		0.00	20	37,425.92
P1-131	Wind coil C5	16MAY06	35	05JUL06	112	2		0.00	30	101,584.64
P1-140	Instl Chl Plates,Tubing, Bag C5	06JUL06	12	21JUL06	112	2		0.00	30	35,755.12
P3-011	Wind coil A2	24JUL06	35	11SEP06	112	2		0.00	30	101,584.64
P3-020	Instl Chill Plates,Tubing, Bag A2	12SEP06	12	27SEP06	112	2		0.00	30	35,755.12
P1-041	Wind coil B1	28SEP06	35	15NOV06	112	2		0.00	30	103,797.41
P1-050	Instl Chl Plates,Tubing, Bag B1	16NOV06	12	05DEC06	112	2		0.00	30	36,581.16
P1-071	Wind coil A5	06DEC06	35	31JAN07	112	2		0.00	30	103,931.52
P1-080	Instl Chl Plates,Tubing,Bag A5	01FEB07	12	16FEB07	112	2		0.00	30	36,581.16
P2-071	Wind coil B3	19FEB07	35	06APR07	134	2		0.00	30	103,931.52
P2-080	Instl Chill Plates,Tubing,Bag B3	09APR07	12	24APR07	134	2		0.00	30	36,581.16
P3-071	Wind coil B5	25APR07	35	13JUN07	139	2		0.00	30	103,931.52
P3-080	Instl Chill Plates,Tubing,Bag B5	14JUN07	12	29JUN07	139	2		0.00	30	36,581.16
P1-161	Wind coil A6	02JUL07	35	20AUG07	139	2		0.00	30	103,931.52
P1-170	Instl Chill Plates,Tubing,Bag A6	21AUG07	12	06SEP07	139	2		0.00	30	36,581.16
174-037	Modular Coil local I&C -Install (from wbs 143)	14FEB06	348*	29JUN07	140			0.00	24	69,211.10



Run Date 04OCT05 13:21

Forecast
Progress Bar
Critical Activity

EC38

NCSX
September Status

Completed tasks summarized

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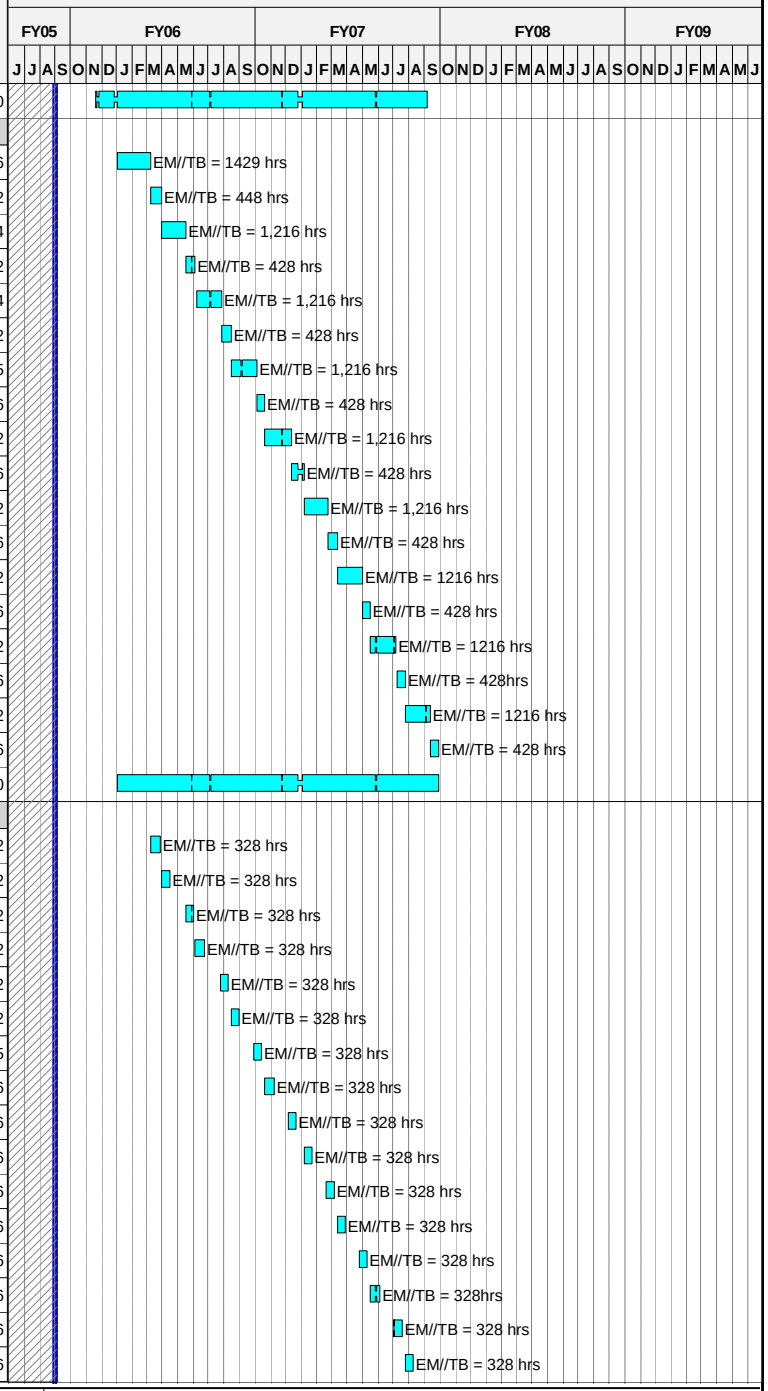
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
SSD-ST2	Second shift cost differential	21NOV05	450*	06SEP07	138			0.00	24	32,000.00
Station 3-Winding, Instl Chill Plates,Tubing,Bag										
P1-101	Wind coil C-2>>@125%	04JAN06	46	08MAR06	110	2		0.00	20	119,378.66
P1-110	Instl Chill Plates,Tubing,Bag C2>>@125%	09MAR06	15	29MAR06	110	2		0.00	20	37,425.92
P3-101	Wind coil C4	30MAR06	35	17MAY06	110	2		0.00	30	101,584.64
P3-110	Instl Chill Plates,Tubing, Bag C4	18MAY06	12	05JUN06	110	2		0.00	30	35,755.12
P2-011	Wind coil A1	08JUN06	35	27JUL06	108	2		0.00	30	101,584.64
P2-020	Instl Chill Plates,Tubing, Bag A1	28JUL06	12	14AUG06	108	2		0.00	30	35,755.12
P3-041	Wind coil A3	15AUG06	35	03OCT06	108	2		0.00	30	101,718.75
P3-050	Instl Chl Plates,Tubing, Bag A3	04OCT06	12	19OCT06	108	2		0.00	30	36,581.16
P3-131	Wind coil A4	20OCT06	35	11DEC06	108	2		0.00	30	103,931.52
P3-140	Instl Chl Plates,Tubing, Bag A4	12DEC06	12	04JAN07	108	2		0.00	30	36,581.16
P2-131	Wind coil B2	05JAN07	35	22FEB07	108	2		0.00	30	103,931.52
P2-140	Instl Chl Plates,Tubing, Bag B2	23FEB07	12	12MAR07	108	2		0.00	30	36,581.16
P2-161	Wind coil B4	13MAR07	35	30APR07	135	2		0.00	30	103,931.52
P2-170	Instl Chill Plates,Tubing,Bag B4	01MAY07	12	16MAY07	135	2		0.00	30	36,581.16
P2-041	Wind coil C6	17MAY07	35	06JUL07	135	2		0.00	30	103,931.52
P2-050	Instl Chl Plates,Tubing, Bag C6	09JUL07	12	24JUL07	135	2		0.00	30	36,581.16
P3-161	Wind coil B6	25JUL07	35	12SEP07	135	2		0.00	30	103,931.52
P3-170	Instl Chill Plates,Tubing,Bag B6	13SEP07	12	28SEP07	135	2		0.00	30	36,581.16
SSD-ST3	Second shift cost differential	04JAN06	442*	28SEP07	134			0.00	24	32,000.00
Station 5-VPI										
P1-021V	VPI (Station 5) C1	10MAR06	12	27MAR06	222			0.00	30	27,401.12
P1-111V	VPI (Station 5) C2	30MAR06	12	14APR06	220			0.00	30	27,401.12
P2-111V	VPI (Station 5) C3	16MAY06	12	01JUN06	199			0.00	30	27,401.12
P3-111V	VPI (Station 5) C4	06JUN06	12	21JUN06	197			0.00	30	27,401.12
P1-141V	VPI (Station 5) C5	24JUL06	12	08AUG06	176			0.00	30	27,401.12
P2-021V	VPI (Station 5) A1	15AUG06	12	30AUG06	172			0.00	30	27,401.12
P3-021V	VPI (Station 5) A2	28SEP06	12	13OCT06	153			0.00	30	27,928.65
P3-051V	VPI (Station 5) A3	20OCT06	12	06NOV06	149			0.00	30	28,034.16
P1-051V	VPI (Station 5) B1	06DEC06	12	21DEC06	130			0.00	30	28,034.16
P3-141V	VPI (Station 5) A4	05JAN07	12	22JAN07	131			0.00	30	28,034.16
P1-081V	VPI (Station 5) A5	19FEB07	12	06MAR07	112			0.00	30	28,034.16
P2-141V	VPI (Station 5) B2	13MAR07	12	28MAR07	108			0.00	30	28,034.16
P2-081V	VPI (Station 5) B3	25APR07	12	10MAY07	134			0.00	30	28,034.16
P3-081V	VPI (Station 5) B4	17MAY07	12	04JUN07	146			0.00	30	28,034.16
P2-171V	VPI (Station 5) B5	02JUL07	12	18JUL07	162			0.00	30	28,034.16
P2-051V	VPI (Station 5) C6	25JUL07	12	09AUG07	158			0.00	30	28,034.16



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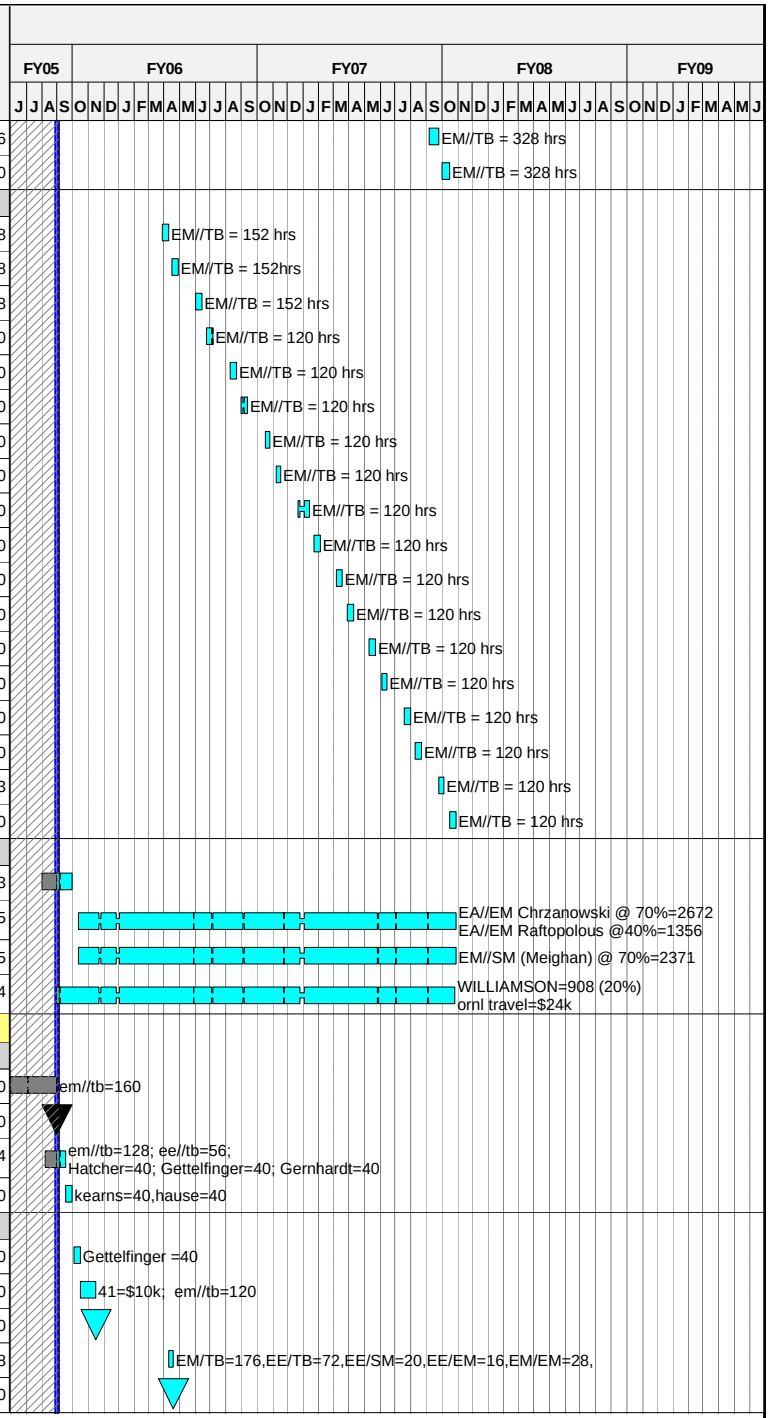
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
P1-171V	VPI (Station 5) A6	07SEP07	12	24SEP07	139			0.00	30	28,034.16
P3-171V	VPI (Station 5) B6	01OCT07	12	16OCT07	135			0.00	30	29,044.40
Station 1B Final Clamp Installation										
P1-021C	Final Clamps & Warm Test (Station1) C1	28MAR06	9	07APR06	246			0.00	20	12,698.08
P1-111C	Final Clamps & Warm Test (Station1) C2	17APR06	9	27APR06	241			0.00	20	12,698.08
P2-111C	Final Clamps & Warm Test (Station1) C3	02JUN06	9	14JUN06	217			0.00	20	12,698.08
P3-111C	Final Clamps & Warm Test (Station1) C4	22JUN06	9	05JUL06	212			0.00	30	10,024.80
P1-141C	Final Clamps & Warm Test (Station1) C5	09AUG06	9	21AUG06	188			0.00	30	10,024.80
P2-021C	Final Clamps & Warm Test (Station1) A1	31AUG06	9	13SEP06	181			0.00	30	10,024.80
P3-021C	Final Clamps & Warm Test (Station1) A2	16OCT06	9	26OCT06	159			0.00	30	10,256.40
P3-051C	Final Clamps & Warm Test (Station1) A3	07NOV06	9	17NOV06	152			0.00	30	10,256.40
P1-051C	Final Clamps & Warm Test (Station1) B1	22DEC06	9	11JAN07	130			0.00	30	10,256.40
P3-141C	Final Clamps & Warm Test (Station1) A4	23JAN07	9	02FEB07	137			0.00	30	10,256.40
P1-081C	Final Clamps & Warm Test (Station1) A5	07MAR07	9	19MAR07	115			0.00	30	10,256.40
P2-141C	Final Clamps & Warm Test (Station1) B2	29MAR07	9	10APR07	108			0.00	30	10,256.40
P2-081C	Final Clamps & Warm Test (Station1) B3	11MAY07	9	23MAY07	134			0.00	30	10,256.40
P3-081C	Final Clamps & Warm Test (Station1) B4	05JUN07	9	15JUN07	146			0.00	30	10,256.40
P3-171C	Final Clamps & Warm Test (Station1) B5	19JUL07	9	31JUL07	171			0.00	30	10,256.40
P2-051C	Final Clamps & Warm Test (Station1) C6	10AUG07	9	22AUG07	164			0.00	30	10,256.40
P1-171C	Final Clamps & Warm Test (Station1) A6	25SEP07	9	05OCT07	142			0.00	30	10,461.73
P2-171C	Final Clamps & Warm Test (Station1) B6	17OCT07	9	29OCT07	135			0.00	30	10,626.00
LOE Oversight & Supervision										
171-000	Winding Preparations (LOE) FY05	01AUG05A	44*	30SEP05	1,010			66,191.37	30	126,560.93
171-040	Winding Oversight (LOE)	12OCT05	512*	29OCT07	135			0.00	30	693,756.45
171-041	Tech Supervision	12OCT05	512*	29OCT07	135			0.00	30	282,996.75
TITLE3W	Titel III Design ORNL- Component Fab & WINDING	01SEP05*	538*	25OCT07	493			0.00	30	195,488.74
Job: 1414 Coil Testing-Gettelfinger										
Twisted Racetrack Hardware Fabrication										
1409-141	Modify Cryostat for TRC	01APR05A	107*	31AUG05A			100	11,923.20	34	11,923.20
1406-020	Begin Testing of Twisted RT in Coil test Stand	31AUG05A	0				100	0.00	30	0.00
1406-021	Test Coil	10AUG05A	27*	16SEP05	146		30	9,253.27	30	30,844.24
1406-023	Dissect Coil	19SEP05*	10*	30SEP05	146			0.00	30	5,961.60
Production Modular Coils										
1409-130	Production Cryostat Design	03OCT05*	10	14OCT05	978			0.00	34	7,192.80
1409-135	Production Cryostat Fabr & Install	17OCT05	22	15NOV05	978			0.00	34	24,814.80
1409-199	Closed Loop Facility Available for Production MC		0	15NOV05	978			0.00	34	0.00
P1-021	Test Coil (Coil Test Stand) C1	10APR06	7	18APR06	318			0.00	30	31,012.48
P1-021.1	Complete First Mod Coil Fabrication C1		0	18APR06	318			0.00	30	0.00



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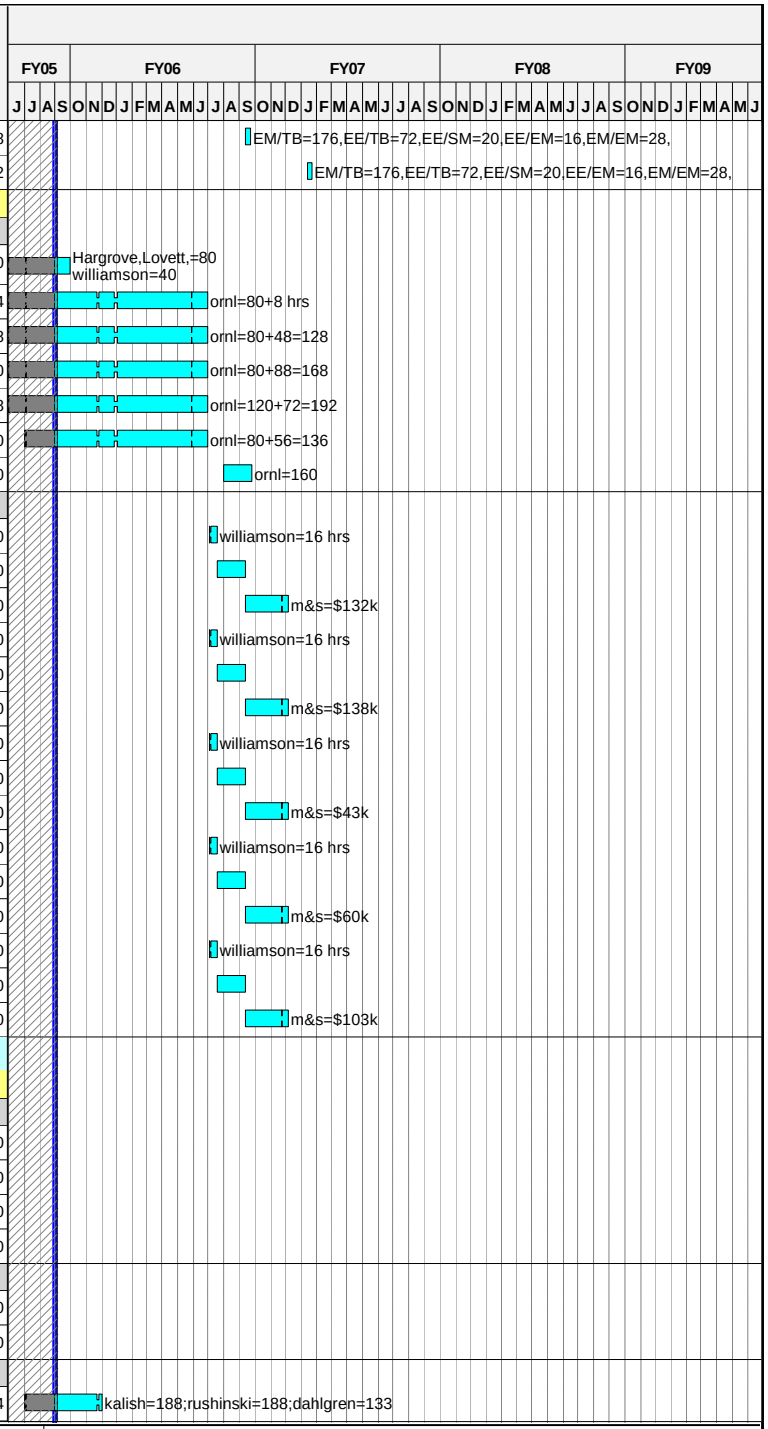
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
P2-021	Test Coil (Coil Test Stand) A1	14SEP06	7	22SEP06	208			0.00	30	31,012.48
P1-051	Test Coil (Coil Test Stand) B1	12JAN07	7	22JAN07	130			0.00	30	31,729.12
Job: 1421-Mod Coil Interface Hardware-WILLIAMSON										
Coil-to-coil Interface Design										
1403-11.1	Compl assembly / interface drawings for ICDs	01NOV04A	230*	30SEP05	1,015		60	18,600.00	40	31,000.00
1403-16	Assembly bolts, nuts,washers	01OCT04A	437*	30JUN06	158		60	7,784.23	40	14,153.14
1403-17	Assembly shims	01OCT04A	437*	30JUN06	158		60	7,822.82	40	20,586.38
1403-18	Eccentric ball assembly	08NOV04A	411*	30JUN06	158		60	8,124.48	40	27,081.60
1403-19	Top assembly dwgs for mod coil shell	01OCT04A	437*	30JUN06	829		60	11,425.44	40	30,879.58
1403-19A	Bladder Details	01JUL05A	251*	30JUN06	158		20	2,246.07	40	22,460.70
1403-20	3 coil assembly specification	01AUG06*	40	25SEP06	208		20	0.00	40	26,992.00
1421-100	Submet Requisition for - Assy bolts,nuts,washers	03JUL06	10	17JUL06	158			0.00	40	2,699.20
1421-105	Procurement lead time for-Assy bolts,nuts,washer	18JUL06	40	11SEP06	158			0.00	40	0.00
1421-110	Deliver - Assy bolts,nuts,washers	12SEP06	60	06DEC06	158			0.00	40	132,000.00
1421-200	Submet Requisition for - Assembly shims	03JUL06	10	17JUL06	158			0.00	40	2,699.20
1421-205	Procurement lead time for - Assembly shims	18JUL06	40	11SEP06	158			0.00	40	0.00
1421-210	Deliver - Assembly shims	12SEP06	60	06DEC06	158			0.00	40	138,000.00
1421-300	Submet Requisition for - Eccentric ball assy	03JUL06	10	17JUL06	158			0.00	40	2,699.20
1421-305	Procurement lead time for - Eccentric ball assy	18JUL06	40	11SEP06	158			0.00	40	0.00
1421-310	Deliver - Eccentric ball assy	12SEP06	60	06DEC06	158			0.00	40	43,000.00
1421-400	Submet Requisition for - Bladders	03JUL06	10	17JUL06	158			0.00	40	2,699.20
1421-405	Procurement lead time for - Bladders	18JUL06	40	11SEP06	158			0.00	40	0.00
1421-410	Deliver - Bladders	12SEP06	60	06DEC06	158			0.00	40	60,000.00
1421-500	Submet Requisition for-Tooling plates&reaming HW	03JUL06	10	17JUL06	158			0.00	40	2,699.20
1421-505	Procurement lead time for-Tooling plates&reaming	18JUL06	40	11SEP06	158			0.00	40	0.00
1421-510	Deliver-Tooling plates&reaming HW	12SEP06	60	06DEC06	158			0.00	40	103,000.00
15 - Structures										
Job: 1501 - Structures Design- Kalish										
PDR/PBR Task List										
1501-105	Project PDR	07OCT03A	1	07OCT03A			100	0.00	32	0.00
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A			100	12,360.00	32	12,360.00
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A			100	6,180.00	32	6,180.00
1501-117	Performance baseline review		0	18NOV03A			100	0.00	32	0.00
Reqmnts,Configuration, Interfaces and PDR										
1501-125	Update drawings & models based on vendor recomm	21OCT03A	30	26NOV03A			100	10,660.50	32	10,660.50
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	30SEP04A			LOE	5,407.50	32	5,407.50
1501-FY05	Prelim Design Structures	01JUL05A	65	02DEC05	239		37*	32,438.29	32	87,824.94



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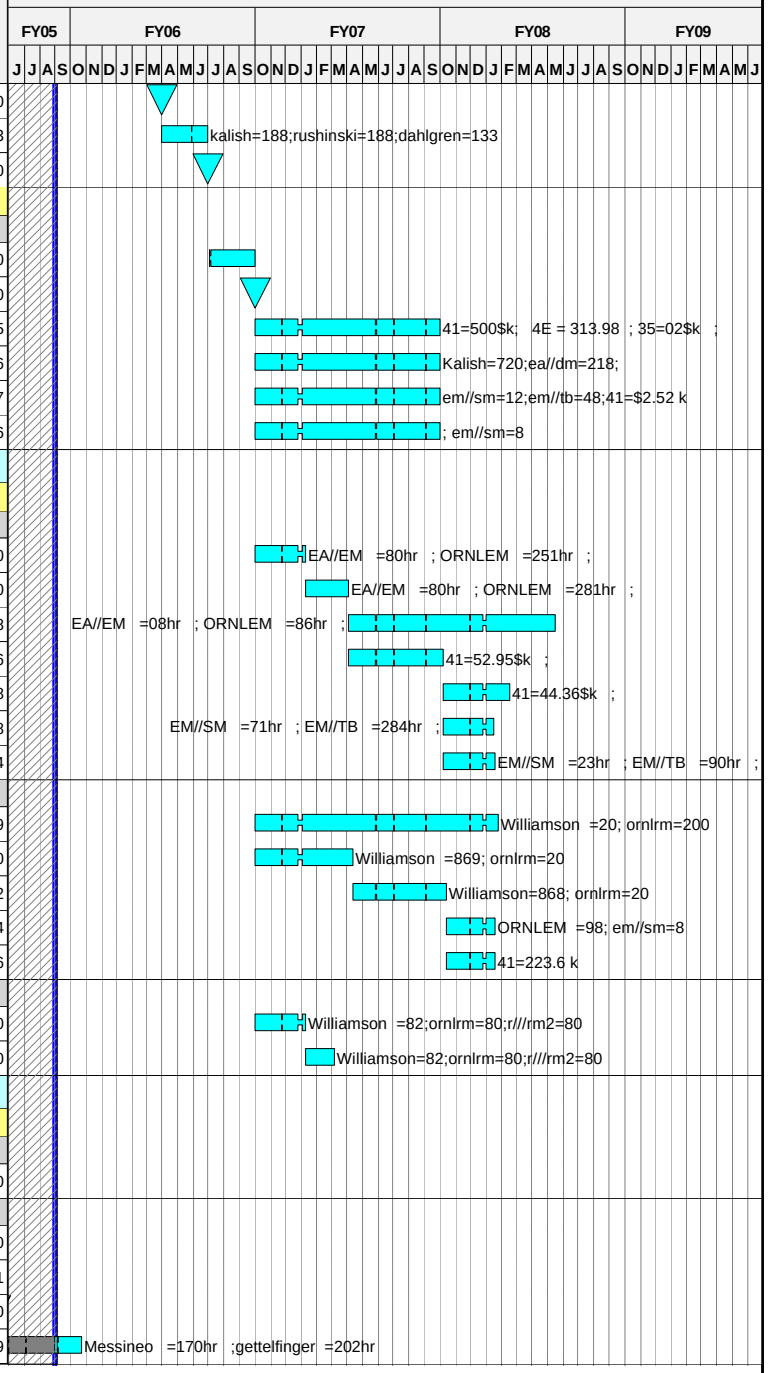
1501-PDR	Structures PDR		0	30MAR06	161			0.00	32	0.00
1501-FD	Final Design Structures	31MAR06	65	30JUN06	161			0.00	32	93,437.13
1501-FDR	Structures FDR		0	30JUN06	161			0.00	32	0.00
Job:1550 - Structures Procurement -KALISH										
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	03JUL06	65	02OCT06	161			0.00	32	0.00
162-036.9	Award Coil Support Assy		0	02OCT06*	161			0.00	32	0.00
162-037	WBS 151Coil Support Assy Procurement [A/1]	03OCT06	249	01OCT07	161			0.00	32	1,020,858.45
162-031	Title III engr WBS 151	03OCT06	249	01OCT07	511			0.00	32	160,613.56
153.037	WBS 153 Support Structure I&C Procurement/Fab	03OCT06*	249	01OCT07	511			0.00	20	9,039.07
153.015	Title III design WBS 153 locall&C	03OCT06*	249	01OCT07	511			0.00	20	963.66
16 - Coil Services										
161 - LN2 Distribution										
191-001	Title I design WBS 161 LN2 manifolds&piping	02OCT06*	65	10JAN07	306			0.00	28	58,172.50
191-011	Title II design WBS 161 LN2 manifolds&piping	11JAN07	60	04APR07	306			0.00	28	116,516.90
191-031	Title III engr WBS 161	05APR07	280	15MAY08	356			0.00	28	16,656.28
191-037	Procurement WBS 161	05APR07	130	08OCT07	306			0.00	28	73,391.96
191-038	PDR#17	09OCT07*	86	15FEB08	420			0.00	30	62,458.88
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	09OCT07*	62	14JAN08	306			0.00	28	34,007.58
191-042	PDR #17,25,3	09OCT07*	65	17JAN08	441			0.00	30	10,839.44
162 - Electrical Leads										
132-000	PDR #17 & 25	02OCT06	325	24JAN08	436			0.00	30	41,396.19
132-001	Title I design WBS 162 Coil leads	02OCT06*	130	11APR07	303			0.00	22	153,159.10
132-011	Title II design WBS 162 Coil leads	12APR07	130	15OCT07	303			0.00	22	153,686.42
132-015	Title III design WBS 162 Coil leads	16OCT07*	60	17JAN08	441			0.00	22	18,540.24
132-037	Coil Leads Procurement WBS 162	16OCT07*	60	17JAN08	303			0.00	22	314,856.96
163 - Coil Protection System										
163.001	Title I design WBS 163 Coil protection	02OCT06*	65	10JAN07	656			0.00	28	43,149.40
163.011	Title II design WBS 163 Coil protection	11JAN07	40	07MAR07	656			0.00	28	43,149.40
17 - Cryostat and Base Support Structure										
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER										
Prior Costs										
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A			100	12,180.00	0	12,180.00
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A			100	6,000.00	28	6,000.00
151-001	Title I design WBS 171 cryostat	01APR04A	270*	29APR05A			100	125,850.61	28	125,850.61
151-002	Cryostat PDR		0	29APR05A			100	0.00	28	0.00
161-001	Title I design WBS 172 base support struct	01APR04A	392*	21OCT05	438		90	44,977.85	32	49,975.39



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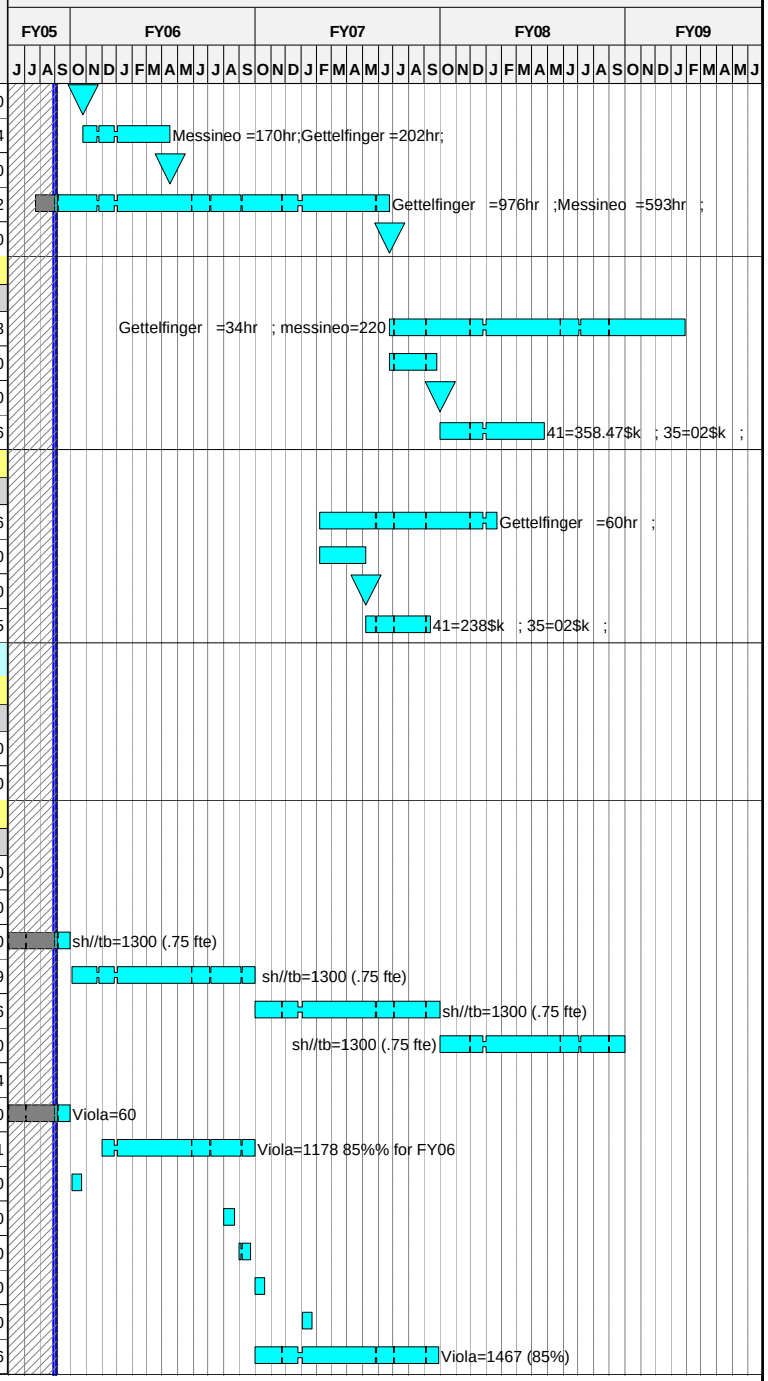
151-003	Base Support Struct PDR		0	26OCT05*	435			0.00	28	0.00
161-011	Final Design Base Support Structure WBS 172	27OCT05	114	14APR06	435			0.00	32	67,530.54
172-199	Base Support Structure FDR		0	14APR06	435			0.00	28	0.00
151-011	Final Design Cryostat WBS 171	25JUL05A	479*	22JUN07	175		2	4,848.53	28	242,426.52
171-199	Cryostat FDR		0	22JUN07	175			0.00	28	0.00
Job: 1751 - Cryostat Procurement										
171 - Cryostat										
151-031	Title III engr	25JUN07	405	28JAN09	175			0.00	28	33,054.33
151-036.8	Prep Spec, Solicit bids, and Select Vendor	25JUN07	65	25SEP07	175			0.00	28	0.00
151-036.9	Award Cryostat Procurement		0	01OCT07*	242			0.00	28	0.00
151-037	Cryostat Procurement [A/1]	02OCT07	141	25APR08	242			0.00	28	508,421.76
Job: 1752 - Base Support Structure Procurement										
172 - Base Support Structure										
161-031	Title III engr WBS 172	06FEB07	240	22JAN08	438			0.00	32	11,161.46
161-036.8	Prep Spec, Solicit bids, and Select Vendor	06FEB07*	65	07MAY07	235			0.00	28	0.00
161-036.9	Award Machine Base&supports Procurement		0	07MAY07	235			0.00	32	0.00
161-037	Machine Base&supports Procurement [A/1]	08MAY07	90	13SEP07	235			0.00	32	303,805.05
18 - Field Period Assembly										
Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)										
Prior Costs										
1801-001	Apr-Sept MIE Costs PPPL	01APR03A	42	30SEP03A			100	7,750.00	0	7,750.00
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A			100	53,050.00	0	53,050.00
Job: 1802 - FP Assy Oversight&Support-VIOLA										
Oversight and Supervision										
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04A			LOE	61,119.60	24	61,119.60
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A			LOE	25,920.40	24	25,920.40
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04A	249*	30SEP05	1,010		LOE	125,069.72	24	136,539.00
181.222	HP Coverage in the TFTR TC LOE FY06	03OCT05*	250*	02OCT06	760			0.00	24	151,697.99
181.220	HP Coverage in the TFTR TC LOE FY07	02OCT06*	250*	01OCT07	511			0.00	24	155,203.36
181.221	HP Coverage in the TFTR TC LOE FY08	01OCT07*	251*	30SEP08	261			0.00	24	160,771.00
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A			LOE	77,518.74	24	77,518.74
181.110	PPPL EM LOE FY05	01OCT04A	249*	30SEP05	1,010		LOE	8,816.68	24	9,625.20
181.120	PPPL EM LOE FY06	01DEC05*	209*	02OCT06	760			0.00	24	211,851.41
181.2A	Procedure for VV prep	03OCT05*	15	21OCT05	355			0.00	24	0.00
181.2B	Procedure for MC HP subassy	01AUG06*	15	21AUG06	231			0.00	24	0.00
181.2C	Procedure for MC instl on VV	01SEP06*	15	22SEP06	258			0.00	24	0.00
181.2D	Procedure for TF HP sub assy	02OCT06*	15	20OCT06	277			0.00	24	0.00
181.2E	Procedure for Final FP assy	02JAN07*	15	22JAN07	211			0.00	24	0.00
181.121	PPPL EM LOE FY07	02OCT06*	249*	28SEP07	512			0.00	24	269,898.66



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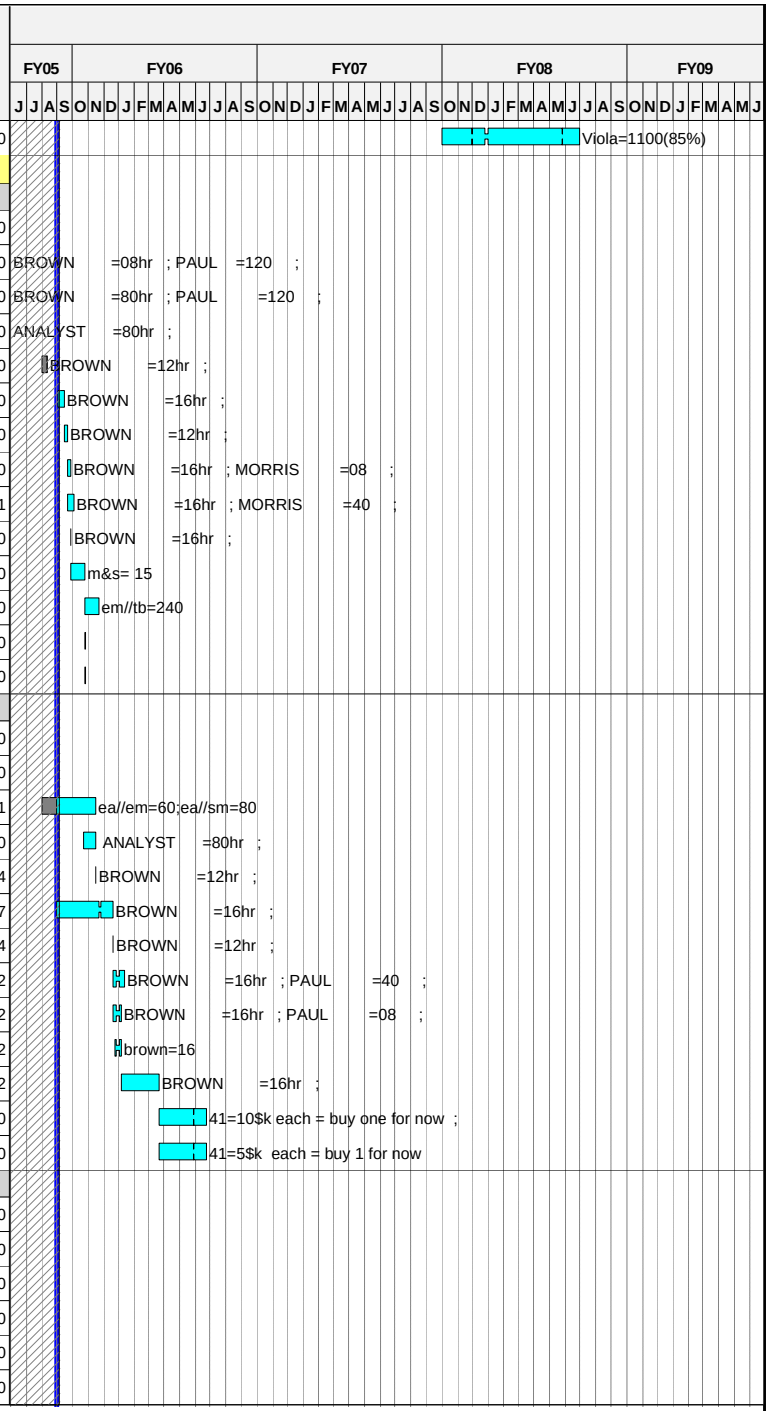
181.122	PPPL EM LOE FY08	01OCT07*	187*	30JUN08	325			0.00	24	209,671.00
Job: 1803- FP Assy Toolg/Constructability-BROWN										
1.00-VV Prep Station										
1803-1.01	Concept definition and requirements	01FEB05A	10	28FEB05A			100	16,056.00	20	16,056.00
1803-1.02	VV Support Fixture - model design& drawing detai	01FEB05A	73	31MAY05A			100	13,604.00	20	13,604.00
1803-1.04	Metrology -sightline layout metrology support	13APR05A	18	31MAY05A			100	25,502.00	20	25,502.00
1803-1.05	Structural / Seismic Analysis check	01FEB05A	86*	31MAY05A			100	13,220.00	20	13,220.00
1803-1.06	Design review PDR VV Prep Station	01AUG05A	0*	10AUG05A			100	1,983.00	20	1,983.00
1803-1.09	Safety Review documentation / presentation	02SEP05	10	15SEP05	334			0.00	20	2,644.00
1803-1.061	Design review FDR VV Prep Station	16SEP05*	2	19SEP05	334			0.00	20	1,983.00
1803-1.07	Design check and sign-off	20SEP05*	5	26SEP05	334			0.00	20	3,462.80
1803-1.10	Fab / Design Review - follow-up activities	20SEP05*	10	03OCT05	350			0.00	20	6,812.71
1803-1.08	Prep & Issue Spec,dwgs,and requisition for matl'	27SEP05*	1	27SEP05	334			0.00	20	2,644.00
1803-1.081	Procure Materials	28SEP05	20	25OCT05	334			0.00	20	21,739.50
1803-1.12	PPPL FAB - VV support Fixture	26OCT05	20	22NOV05	351			0.00	20	20,049.60
1803-1.13	PPPL FAB VV Prep Station Platform deleted	26OCT05	0	25OCT05	371			0.00	20	0.00
1803-1.14	PPPL FAB VV Prep Station metro stands deleted	26OCT05	0	25OCT05	371			0.00	20	0.00
2.00-Half Period Assembly										
1803-2.01	Concept definition and requirements	03JAN05A	52*	28FEB05A			100	16,056.00	20	16,056.00
1803-2.02	MC Holding Fixture - model design and drawing	01FEB05A	79*	29APR05A			100	21,728.00	20	21,728.00
1803-2.04	Metrology - sightline layout design details metr	01AUG05A	77*	15NOV05	276		70	15,910.52	20	22,729.31
1803-2.05	Structural / Seismic Analysis check	24OCT05	17	15NOV05	276			0.00	20	14,685.60
1803-2.06	PDR Half Period Assy	16NOV05*	1	16NOV05	276			0.00	20	2,202.84
1803-2.09	Safety Review documentation / presentation	01SEP05	76*	19DEC05	274			0.00	20	2,852.27
1803-2.061	FDR Half Period Assy	20DEC05	1	20DEC05	274			0.00	20	2,202.84
1803-2.10	Fab / Design Review - follow-up activities	21DEC05	10	11JAN06	950			0.00	20	7,485.12
1803-2.07	Design check and sign-off	21DEC05	5	04JAN06	274			0.00	20	3,846.72
1803-2.08A	Prep & Issue Spec,dwgs,and requisition	23DEC05	3	04JAN06	274			0.00	20	2,937.12
1803-2.08	Procurement Lead Time and Award	05JAN06	55	22MAR06	274			0.00	20	2,937.12
1803-2.11	Fab MC HP Assy Fixtures (1)	23MAR06	65	22JUN06	274			0.00	20	14,790.00
1803-2.12	Fab MC MC HP Assy Metrology support stands (1)	23MAR06	65	22JUN06	274			0.00	20	7,395.00
3.00-MC Installation										
1803-3.01	Concept definition and requirements	25OCT04A	5	29OCT04A			100	6,610.00	40	6,610.00
1803-3.02	MC Turning Fixture and base - model design and d	15NOV04A	48*	31JAN05A			100	1,983.00	40	1,983.00
1803-3.03	MC Gantry Crane - model design and drawing detai	29NOV04A	40*	31JAN05A			100	14,265.00	40	14,265.00
1803-3.04	VV support stand - model design and drawing deta	29NOV04A	104*	29APR05A			100	8,849.00	40	8,849.00
1803-3.05	Platform - design and drawing details	01FEB05A	7	29APR05A			100	9,179.50	40	9,179.50
1803-3.084	Industry Info Meeting	21FEB05A	1	21FEB05A			100	0.00	40	0.00



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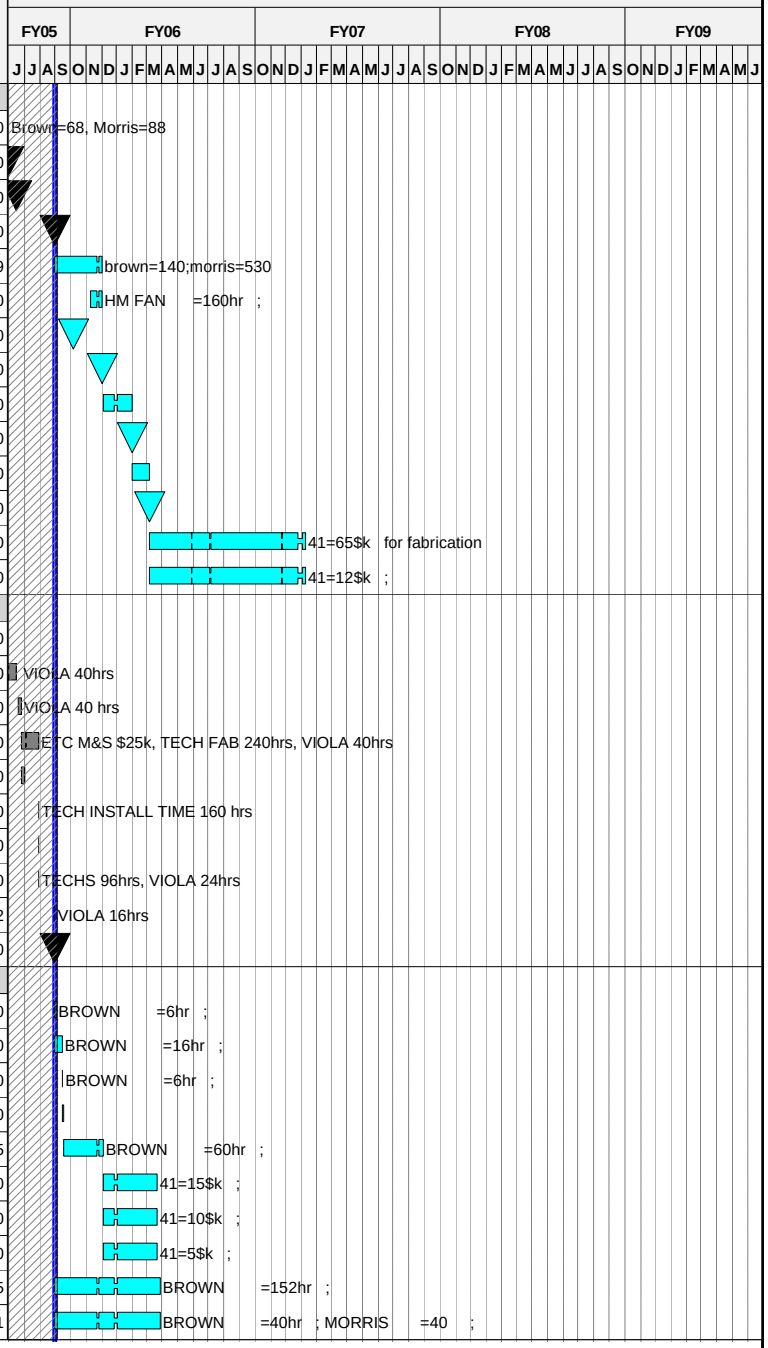
3.10 MC Turning Fixture-Industry Option										
1803-3.10A	Issue dwgs	02MAY05A	30	31MAY05A			100	20,243.80	40	20,243.80
180303.10A	Issue RFP		0	31MAY05A			100	0.00	40	0.00
1803-3.10C	Proposals Due		0	17JUN05A			100	0.00	40	0.00
1803-3.14	DECISION ON APPROACH		0	31AUG05A			100	0.00	40	0.00
1803-3.15	PPPL Dsn Turning fixture	01SEP05	65	02DEC05	192		N/R	0.00	100	83,056.69
1803-3.07	Seismic Analysis check	10NOV05*	15	02DEC05	972		N/R	0.00	40	29,371.20
1803-3.15B	PDR Turning fixture & Base		0	05OCT05	232		N/R	0.00	40	0.00
1803-3.15E	FDR Turning fixture & Base		0	02DEC05	192		N/R	0.00	40	0.00
1803-3.07A	Prep Procurement Pkg	05DEC05*	35	30JAN06	192		N/R	0.00	40	0.00
1803-3.08A	Issue RFP		0	30JAN06	192		N/R	0.00	40	0.00
1803-3.08B	Recieve & Evaluate Bids	31JAN06	25	06MAR06	192		N/R	0.00	40	0.00
1803-3.15D	Award Fabrication Contract		0	06MAR06	192		N/R	0.00	40	0.00
1803-3.15C	Fabricate - MC Turning fixture & Base	07MAR06*	210	08JAN07	192		N/R	0.00	100	0.00
1803-3.15A	Fabricate - MC Gantry Crane	07MAR06*	210	08JAN07	192		N/R	0.00	100	17,409.60
3.20 MC Turning Fixture-Crane Option										
1803-3.30	Develop Crane Design Option	01MAY05A	6*	31MAY05A			100	0.00	40	0.00
1803-3.33	Design Equivalent Test Simulation Model	16MAY05A	33*	17JUN05A			100	6,416.80	40	6,416.80
1803-3.36	Design Test Track	20JUN05A	7	24JUN05A			100	6,416.80	40	6,416.80
1803-3.39	Fab Test Track	27JUN05A	24*	29JUL05A			100	56,326.60	40	56,326.60
1803-3.40	Site Prep	27JUN05A	5	30JUN05A			100	0.00	40	0.00
1803-3.43	Assembly of Test Article	29JUL05A	5	29JUL05A			100	11,923.20	40	11,923.20
1803-3.46	Metrology set-up	29JUL05A	5	29JUL05A			100	0.00	40	0.00
1803-3.49	Run Test	29JUL05A	3	29JUL05A			100	11,004.00	40	11,004.00
1803-3.50	Test Evaluation and Write up	31AUG05A	0*	31AUG05A			100	2,566.72	40	2,566.72
1803-3.52	DECISION ON APPROACH		0	31AUG05A				0.00	40	0.00
3.30 MC Assy -Platforms,Suprt Stands,&other										
1803-3.08	** PDR ** Platform & Support Stands	01SEP05*	1	01SEP05	390			0.00	40	991.50
1803-3.12	Safety Review documentation / presentation	01SEP05*	10	14SEP05	390			0.00	40	2,644.00
1803-3.081	** FDR ** Platform & Support Stands	15SEP05*	1	15SEP05	390			0.00	40	991.50
1803-3.110	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	16SEP05	1	16SEP05	390			0.00	40	0.00
1803-3.101	Procurement lead time platforms & supports	19SEP05	55	06DEC05	390			0.00	40	10,814.35
1803-3.16	FAB - VV suprt stand & misc crane fixtures	07DEC05	70	22MAR06	390			0.00	100	22,185.00
1803-3.16A	FAB -Platform	07DEC05	70	22MAR06	390			0.00	100	14,790.00
1803-3.16B	FAB -MC Installation Metrology sprt stands	07DEC05	70	22MAR06	390			0.00	100	7,395.00
1803-3.11	Procurement Technical Rep	01SEP05*	140	27MAR06	897			0.00	40	27,465.05
1803-3.13	Fabrication - follow-up activities	01SEP05*	140	27MAR06	897			0.00	40	11,704.31



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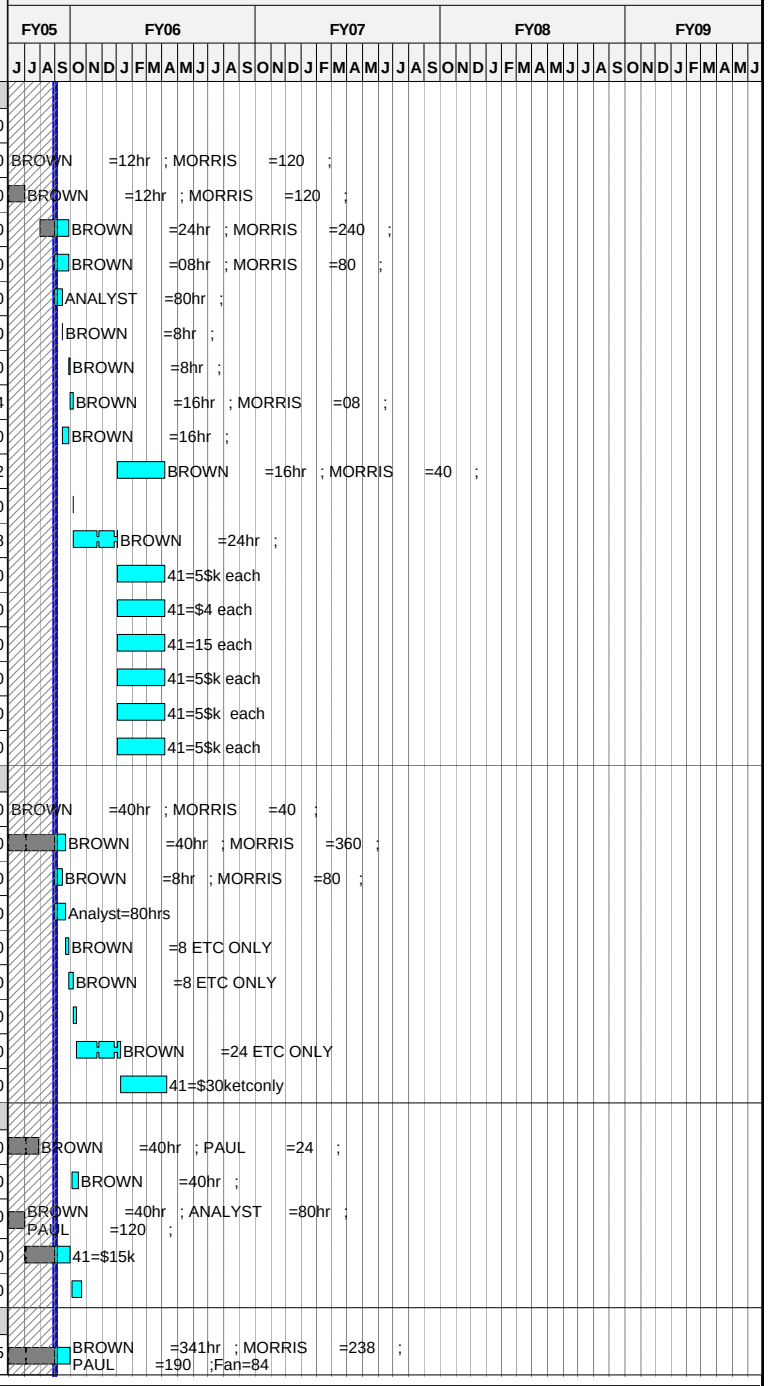
4.00-Final FP Assembly										
1803-4.01	Concept definition and requirements	01MAR05A	5	28MAR05A			100	10,704.00	40	10,704.00
1803-4.02	MC Support Stand - model design and drawing deta	01APR05A	89*	31MAY05A			100	14,265.00	40	14,265.00
1803-4.03	TF HP support turning fixture - model design d	01APR05A	15	30JUN05A			100	14,265.00	40	14,265.00
1803-4.04	FP Assembly platform - model design drawing det	01AUG05A	43*	28SEP05	1,017		75	21,397.50	40	28,530.00
1803-4.06	Metrology - sightline layout design details metr	01SEP05*	20*	28SEP05	412			0.00	40	9,510.00
1803-4.07	Structural / Seismic Analysis check	01SEP05*	10	14SEP05	421			0.00	40	13,220.00
1803-4.08	PDR Final FP Assy	15SEP05	1	15SEP05	421			0.00	40	1,322.00
1803-4.081	FDR Final FP Assy	29SEP05	1	29SEP05	412			0.00	40	1,322.00
1803-4.09	Design check and sign-off	30SEP05	5	06OCT05	412			0.00	40	3,769.94
1803-4.11	Safety Review documentation / presentation	15SEP05	10	28SEP05	412			0.00	40	2,644.00
1803-4.12	Fabrication - follow-up activities	04JAN06	65	04APR06	412			0.00	40	7,485.12
1803-4.10A	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	06OCT05	1	06OCT05	412			0.00	40	0.00
1803-4.10	Procurement lead time	07OCT05	55	03JAN06	412			0.00	40	4,405.68
1803-4.13	FAB-MC Support Stands (1)	04JAN06*	65	04APR06	412			0.00	100	7,395.00
1803-4.14	Fab -TF HP support and turning fixture (1)	04JAN06*	65	04APR06	439			0.00	100	5,916.00
1803-4.15	FAB-FP Assy platforms (1)	04JAN06*	65	04APR06	412			0.00	100	22,185.00
1803-4.16	FAB-MC Temporary End Supports (1)	04JAN06*	65	04APR06	412			0.00	100	7,395.00
1803-4.17	FAB-Final FP Assy Metrology suprt stands (1)	04JAN06*	65	04APR06	412			0.00	100	7,395.00
1803-4.18	FAB-VV Port alignment/weldment fixtures (1)	04JAN06*	65	04APR06	412			0.00	100	7,395.00
5.00-TF HP Assembly										
1803-5.001	Concept definition and requirements	02MAY05A	10	31MAY05A			100	10,704.00	40	10,704.00
1803-5.002	TF Rotation Fixture plus dwgs	02MAY05A	99*	19SEP05	418		75	32,592.00	40	43,456.00
1803-5.003	Metrology layout/support stand dwgs	01SEP05*	10	14SEP05	421			0.00	40	9,510.00
1803-5.004	Structural Analysis	01SEP05*	15	21SEP05	416			0.00	40	13,220.00
1803-5.005	PDR	22SEP05	5	28SEP05	416			0.00	40	0.00
1803-5.006	FDR	29SEP05	5	05OCT05	416			0.00	40	0.00
1803-5.007	Pre & Issue Specs and Dwgs	06OCT05	5	12OCT05	416			0.00	40	0.00
1803-5.008	Procurement Lead Time	13OCT05	55	09JAN06	416			0.00	40	0.00
1803-5.009	Fabricate TF HP Assembly (1)	10JAN06	65	10APR06	416			0.00	100	0.00
6.00-Interface/Test Activities										
1803-5.01	Finalize TFTR test cell FPA assembly layout draw	01JUN05A	42*	29JUL05A			100	9,066.40	40	9,066.40
1803-5.02	Establish an assembly interface requirements doc	03OCT05*	10	14OCT05	1,005			0.00	40	7,342.80
1803-5.03	Design MC assy test components	01JUN05A	25*	30JUN05A			100	32,112.00	40	32,112.00
1803-5.04	Fab - Test Articles	01JUL05A	65*	30SEP05	1,000		80	15,372.00	40	19,215.00
1803-5.05	Metrology Validation	03OCT05	15	21OCT05	1,000			0.00	40	0.00
7.00-Oversight										
1803-7.01	Meetings Prep and Reporting	01NOV04A	230*	30SEP05	1,015		LOE	103,089.50	40	114,037.05



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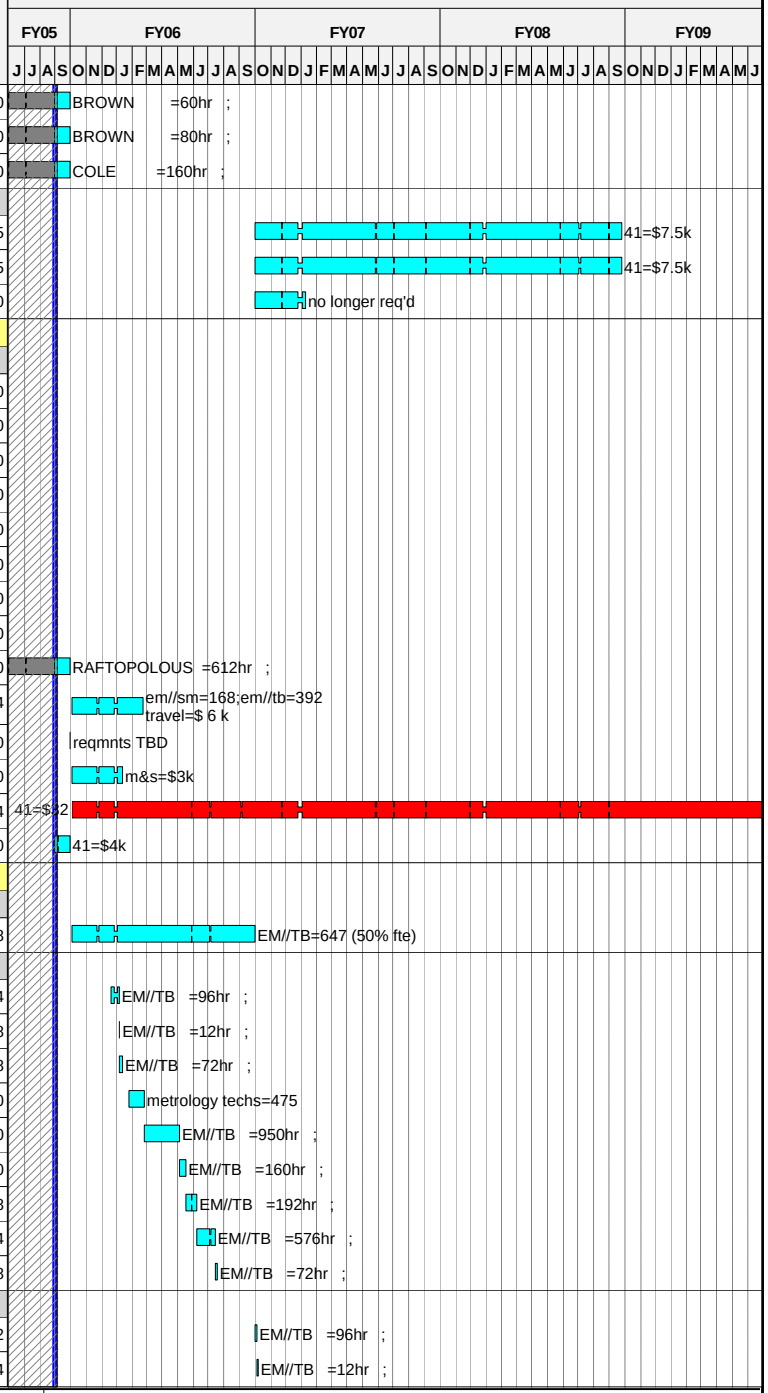
1803-7.02	Develop and maintain concept definition document	01NOV04A	230*	30SEP05	1,015		LOE	8,963.16	40	9,915.00
1803-7.03	Develop and maintain assembly plan document	01NOV04A	230*	30SEP05	1,015		LOE	11,950.88	40	13,220.00
1803-7.04	Mike Cole's FY05 on-site involvement in assembly	01NOV04A	230*	30SEP05	1,015		LOE	22,419.20	40	24,800.00
Tooling Design & Fabrication										
713A.040	General procurements	02OCT06*	498	26SEP08	263			0.00	40	10,473.75
713A.050	Welding tools, materials & equipt	02OCT06*	498	26SEP08	263			0.00	40	10,473.75
713A.060	Instl He gas piping from NSTX to D-site tc NOT R	02OCT06*	65	10JAN07	270			0.00	40	0.00
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS										
Metrology										
740.010	Final Design Measurement systems	19JAN04A	181*	30SEP04A			LOE	26,000.00	24	26,000.00
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A				0.00	24	0.00
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A				0.00	24	0.00
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10*	30APR04A			100	171,990.00	24	171,990.00
740.030A	Romer Arm Training	06JUL04A	3*	08JUL04A			100	0.00	24	0.00
740.031	Metrology Software Review		0	30JAN04A				0.00	24	0.00
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A				0.00	24	0.00
740.045	Purchase- second Faro Arm PE005330	01OCT04A	102	29OCT04A			100	70,455.00	24	70,455.00
1803-8	Metrology Support (moved from 1803)	01NOV04A	230*	30SEP05	1,015		LOE	91,424.23	40	101,133.00
740.020	Facility Prep	03OCT05*	95	22FEB06	915			0.00	24	63,396.64
740.035	Deliver Metrology Software	30SEP05*	1	30SEP05	1,010			0.00	24	0.00
740.100	Romer CMM- spare probes	03OCT05*	65	11JAN06	945			0.00	24	4,437.00
740.105	Romer CMM-Software support & warranty renewal	03OCT05*	1,010*	30SEP09	0			0.00	24	45,633.14
740.110	Romer CMM-Laptop for 2nd arm	01SEP05*	21*	30SEP05	1,010			0.00	24	5,124.00
Job:1810 - Field Period Assembly-VIOLA										
Prep TFTR TC for Assembly operations										
S0P0-100	LOE Crane support, fixture setup, etc.	03OCT05*	250*	29SEP06	765			0.00	40	54,050.38
Stage 1 VV Prep (instl diag & insul)FP#1										
S1P1-101	Receive VV and inspect	22DEC05	4	04JAN06	315			0.00	40	8,019.84
S1P1-102	Mount VV on VV Prep fixture (top side up)	05JAN06	1	05JAN06	315			0.00	40	1,002.48
S1P1-103	Establish metrology setting; align VV base	06JAN06	4	11JAN06	315			0.00	40	6,014.88
S1P1-103.1	Layout diagnostic&coolant paths on vsl w/templt	23JAN06	24	23FEB06	308			0.00	40	39,681.50
S1P1-107	Wind magnetic diagnostic sensors	24FEB06	48	02MAY06	308			0.00	40	79,363.00
S1P1-107.1	Loop termination & verification	03MAY06	10	16MAY06	308			0.00	40	13,366.40
S1P1-106	Attach studs for coolant lines	17MAY06	16	08JUN06	308			0.00	40	16,039.68
S1P1-108	Install cooling/htg lines to vac vsl	09JUN06	24	13JUL06	308			0.00	40	48,119.04
S1P1-116	Prepare and transfer completed VV to holding are	14JUL06	3	18JUL06	308			0.00	40	6,014.88
Stage 1 VV Prep (instl diag & insul)FP#2										
S1P2-101	Receive VV and inspect	02OCT06*	4	05OCT06	259			0.00	40	8,205.12
S1P2-102	Mount VV on VV Prep fixture (top side up)	06OCT06	1	06OCT06	259			0.00	40	1,025.64



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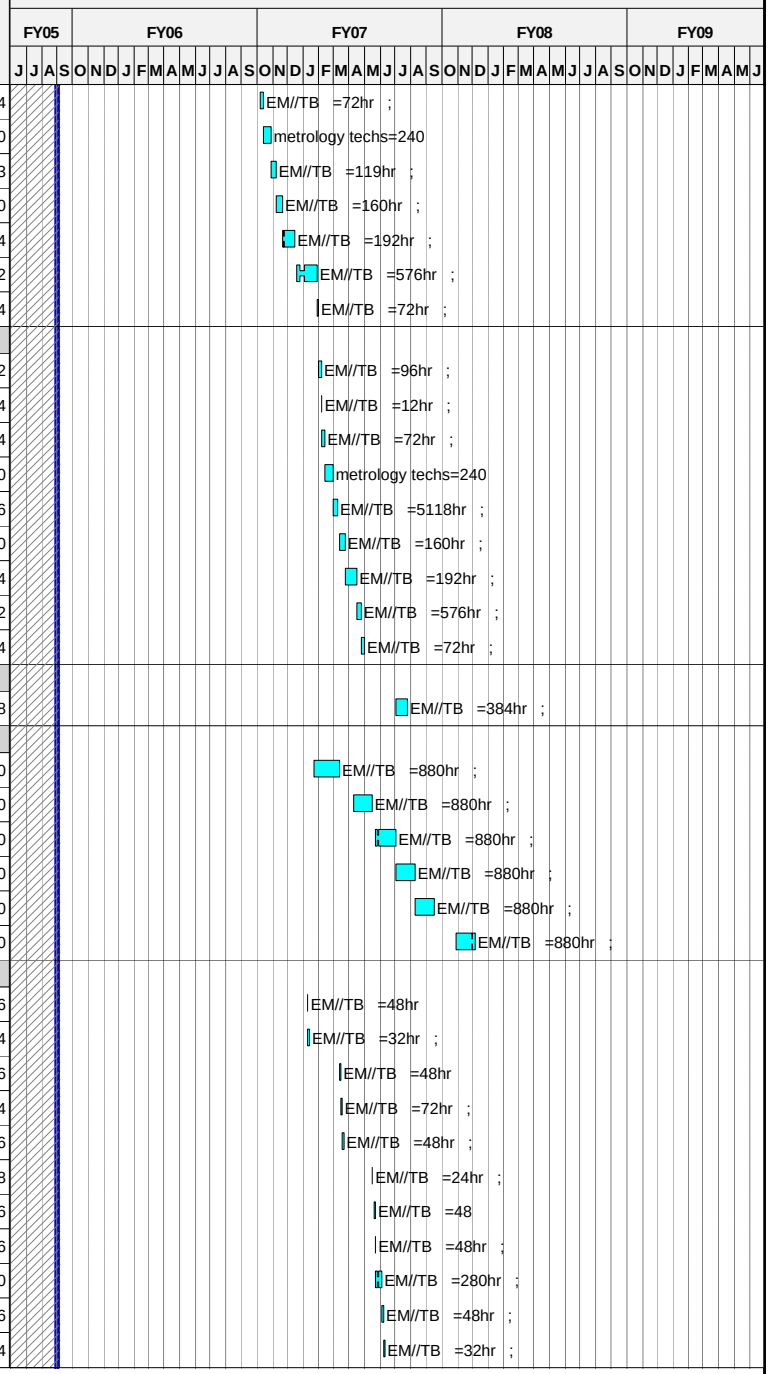
S1P2-103	Establish metrology setting; align VV base	09OCT06	4	12OCT06	259			0.00	40	6,153.84
S1P2-103.1	Layout diagnostic&coolant paths on vessel	13OCT06	12	30OCT06	259			0.00	40	20,512.80
S1P2-107	Wind magnetic diagnostic sensors	31OCT06	6	07NOV06	259			0.00	40	10,170.93
S1P2-107.1	Loop termination & verification	08NOV06	10	21NOV06	259			0.00	40	13,675.20
S1P2-106	Attach studs forcoolant lines	22NOV06	16	15DEC06	259			0.00	40	16,410.24
S1P2-108	Install cooling/htg lines to vac vsl	18DEC06	24	26JAN07	259			0.00	40	49,230.72
S1P2-116	Prepare and transfer completed VV to holding are	29JAN07	3	31JAN07	259			0.00	40	6,153.84
Stage 1 VV Prep (instl diag & insul)FP#3										
S1P3-101	Receive VV and inspect	01FEB07	4	06FEB07	278			0.00	40	8,205.12
S1P3-102	Mount VV on VV Prep fixture (top side up)	07FEB07	1	07FEB07	278			0.00	40	1,025.64
S1P3-103	Establish metrology setting; align VV base	08FEB07	4	13FEB07	278			0.00	40	6,153.84
S1P3-103.1	Layout diagnostic&coolant paths on vessel	14FEB07	12	01MAR07	278			0.00	40	20,512.80
S1P3-107	Wind magnetic diagnostic sensors	02MAR07	6	09MAR07	278			0.00	40	10,085.46
S1P3-107.1	Loop termination & verification	12MAR07	10	23MAR07	278			0.00	40	13,675.20
S1P3-106	Attach studs forcoolant lines	26MAR07	16	16APR07	278			0.00	40	16,410.24
S1P3-108	Install cooling/htg lines to vac vsl	17APR07	8	26APR07	278			0.00	40	49,230.72
S1P3-116	Prepare and transfer completed VV to holding are	27APR07	3	01MAY07	278			0.00	40	6,153.84
Spool pieces (3) (spacers)										
S1SP-101	Attachdiagnostics, studs and coolant lines	02JUL07*	16	23JUL07	368			0.00	40	32,820.48
Stage 2 MC HP Sub-assembly (bolt 3 MC together)										
S2P1-100	Assemble Mod-Coils a1.b1,c1 FP 1 left	23JAN07	35	12MAR07	131			0.00	40	75,213.60
S2P1-200	Assemble Mod-Coils a2.b2,c2 FP 1 right	11APR07	27	17MAY07	110			0.00	40	75,213.60
S2P2-100	Assemble Mod-Coils a3.b3,c3 FP 2 left	24MAY07	27	02JUL07	136			0.00	40	75,213.60
S2P2-200	Assemble Mod-Coils a4.b4,c4 FP 2 right	03JUL07	27	08AUG07	136			0.00	40	75,213.60
S2P3-100	Assemble Mod-Coils a5.b5,c5 FP 3 left	09AUG07	27	14SEP07	165			0.00	40	75,213.60
S2P3-200	Assemble Mod-Coils a6.b6,c6 FP 3 right	30OCT07	27	07DEC07	134			0.00	40	77,924.00
Stage 3 MC Instl (rotate MC over Vsl)-FP#1										
S3P1-101	VV to MC turning fixt base; metr check	09JAN07	2	10JAN07	192			0.00	40	4,102.56
S3P1-101.1	Attach local protective strips to VV&locate sens	11JAN07	2	12JAN07	192			0.00	40	2,735.04
S3P1-102	Mount MC on crane; perform metr checks	13MAR07	2	14MAR07	151			0.00	40	4,102.56
S3P1-103	Rotate right MC to stand-off position&chk	15MAR07	3	19MAR07	151			0.00	40	6,153.84
S3P1-104	Transfer load to sprt sys and recheck position	20MAR07	2	21MAR07	151			0.00	40	4,102.56
S3P1-105	Move MC turning fixt; mount MC on crane	18MAY07	1	18MAY07	110			0.00	40	2,051.28
S3P1-106	Rotate left MC to stand-off position and check p	21MAY07	2	22MAY07	110			0.00	40	4,102.56
S3P1-107	Move left & right MC to final position & measure	23MAY07	2	24MAY07	110			0.00	40	4,102.56
S3P1-108	Install shims (as reqd); ream 24 holes	25MAY07	7	05JUN07	110			0.00	40	23,931.60
S3P1-109	Bolt together at flange interface.	06JUN07	2	07JUN07	110			0.00	40	4,102.56
S3P1-110	Perform final metrology position check	08JUN07	2	11JUN07	110			0.00	40	2,735.04



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Forecast
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Completed tasks summarized

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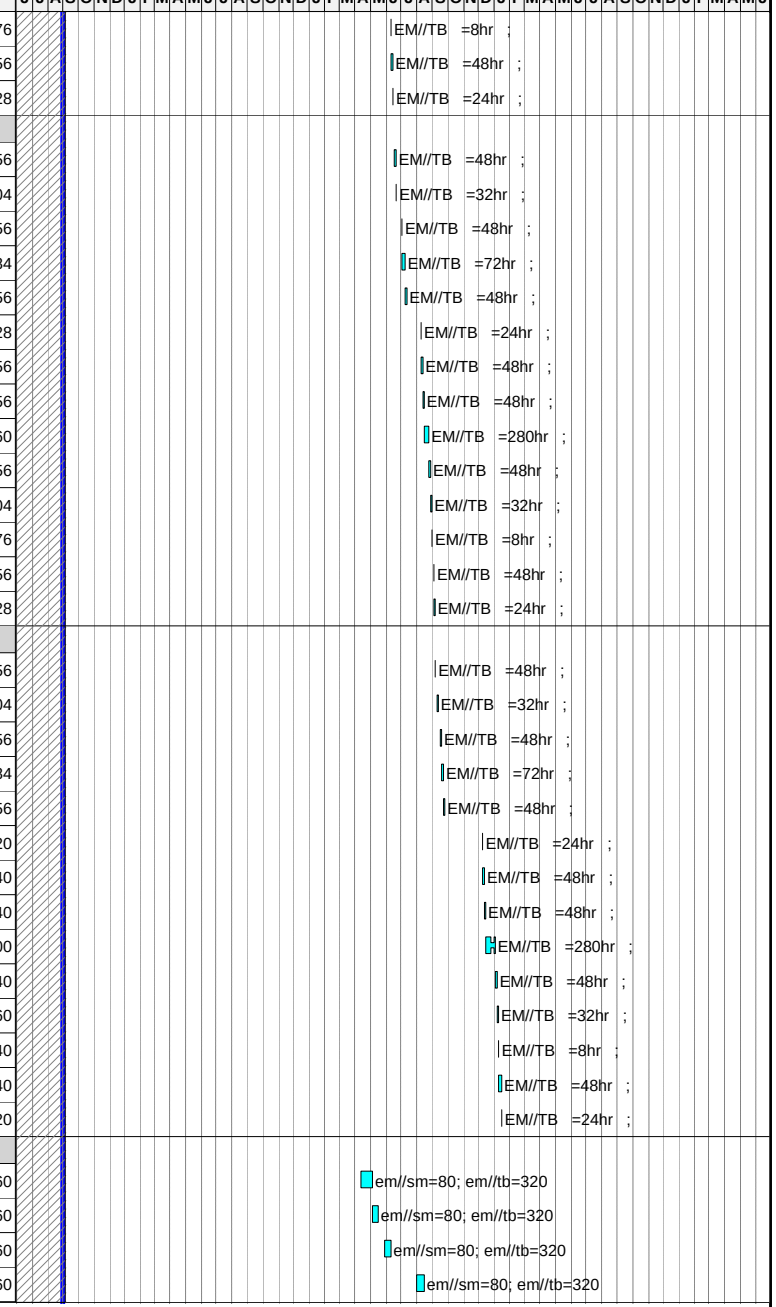
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
S3P1-110.1	Remove temp interference strips&sensors	12JUN07	1	12JUN07	110			0.00	40	683.76
S3P1-111	Secure VV to MC's using temporary supports.	13JUN07	2	14JUN07	110			0.00	40	4,102.56
S3P1-112	Prep& xfr completed assembly to Stage 4 area	15JUN07	1	15JUN07	110			0.00	40	2,051.28
Stage 3 MC Instl (rotate MC over Vsl)-FP#2										
S3P2-101	Mount VV to MC turning fixt base; metr check	18JUN07	2	19JUN07	163			0.00	40	4,102.56
S3P2-101.1	Attach local protective strips to VV&locate sens	20JUN07	2	21JUN07	163			0.00	40	2,735.04
S3P2-102	Mount MC on crane; perform metr checks	03JUL07	2	04JUL07	156			0.00	40	4,102.56
S3P2-103	Rotate right MC to stand-off position&chk	05JUL07	3	09JUL07	156			0.00	40	6,153.84
S3P2-104	Transfer load to supt sys and recheck position	10JUL07	2	11JUL07	156			0.00	40	4,102.56
S3P2-105	Move MC turning fixt; mount MC on crane	09AUG07	1	09AUG07	136			0.00	40	2,051.28
S3P2-106	Rotate left MC to stand-off position and check p	10AUG07	2	13AUG07	136			0.00	40	4,102.56
S3P2-107	Move left & right MC to final position & measure	14AUG07	2	15AUG07	136			0.00	40	4,102.56
S3P2-108	Install shims (as reqd); ream 24 holes	16AUG07	7	24AUG07	136			0.00	40	23,931.60
S3P2-109	Bolt together at flange interface.	27AUG07	2	28AUG07	136			0.00	40	4,102.56
S3P2-110	Perform final metrology position check	29AUG07	2	30AUG07	136			0.00	40	2,735.04
S3P2-110.1	Remove temp interference strips&sensors	31AUG07	1	31AUG07	136			0.00	40	683.76
S3P2-111	Secure VV to MC's using temporary supports.	03SEP07	2	04SEP07	136			0.00	40	4,102.56
S3P2-112	Prep& xfr completed assembly to Stage 4 area	05SEP07	1	05SEP07	136			0.00	40	2,051.28
Stage 3 MC Instl (rotate MC over Vsl)-FP#3										
S3P3-101	Mount VV to MC turning fixt base; metr check	06SEP07	2	07SEP07	188			0.00	40	4,102.56
S3P3-101.1	Attach local protective strips to VV&locate sens	10SEP07	2	11SEP07	188			0.00	40	2,735.04
S3P3-102	Mount MC on crane; perform metr checks	17SEP07	2	18SEP07	185			0.00	40	4,102.56
S3P3-103	Rotate right MC to stand-off position&chk	19SEP07	3	21SEP07	185			0.00	40	6,153.84
S3P3-104	Transfer load to supt sysand recheck position	24SEP07	2	25SEP07	185			0.00	40	4,102.56
S3P3-105	Move MC turning fixt; mount MC on crane	10DEC07	1	10DEC07	134			0.00	40	2,125.20
S3P3-106	Rotate left MC to stand-off position and check p	11DEC07	2	12DEC07	134			0.00	40	4,250.40
S3P3-107	Move left & right MC to final position & measure	13DEC07	2	14DEC07	134			0.00	40	4,250.40
S3P3-108	Install shims (as reqd); ream 24 holes	17DEC07	7	03JAN08	134			0.00	40	24,794.00
S3P3-109	Bolt together at flange interface.	04JAN08	2	07JAN08	134			0.00	40	4,250.40
S3P3-110	Perform final metrology position check	08JAN08	2	09JAN08	134			0.00	40	2,833.60
S3P3-110.1	Remove temp interference strips&sensors	10JAN08	1	10JAN08	134			0.00	40	708.40
S3P3-111	Secure VV to MC's using temporary supports.	11JAN08	2	14JAN08	134			0.00	40	4,250.40
S3P3-112	Prep& xfr completed assembly to Stage 4 area	15JAN08	1	15JAN08	134			0.00	40	2,125.20
Station 5 - TF HP Pre-Assy (bolt 3 TF together)										
184-100	Assemble 3 TF coils&structure -Left-Period #1	13APR07	15	03MAY07	161			0.00	40	36,985.60
184-105	Assemble 3 TF coils&structure -Right -Period #1	04MAY07	10	17MAY07	161			0.00	40	36,985.60
184-110	Assemble 3 TF coils&structure -Left-Period #2	29MAY07	10	11JUN07	219			0.00	40	36,985.60
184-115	Assemble 3 TF coils&structure -Right -Period #2	02AUG07	10	15AUG07	183			0.00	40	36,985.60



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Forecast
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Critical Activity

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Completed tasks summarized

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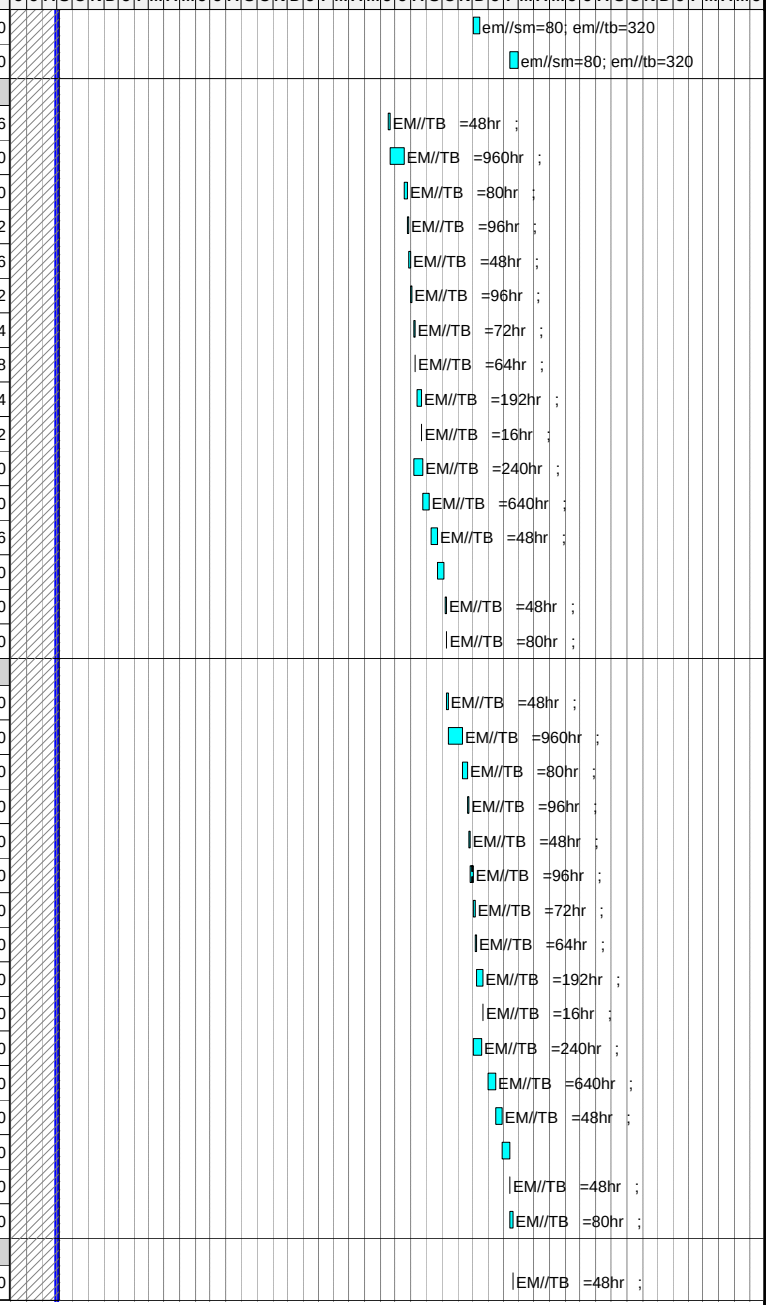
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
184-120	Assemble 3 TF coils&structure -Left -Period #3	03DEC07	10	14DEC07	169			0.00	40	38,318.40
184-125	Assemble 3 TF coils&structure -Right -Period #3	15FEB08	10	28FEB08	131			0.00	40	38,318.40
Stage 4 - Final FP Assy (Instl ports & TF's)FP#1										
S4P1-101	Mount MC/VV assembly to support frame a	18JUN07	2	19JUN07	110			0.00	40	4,102.56
S4P1-102	Position and weld all ports to VV	20JUN07	20	17JUL07	110			0.00	40	82,051.20
S4P1-103	Inspect Welds	18JUL07	5	24JUL07	110			0.00	40	6,837.60
S4P1-104	Assemble left TF Coil Assembly check position	25JUL07	3	27JUL07	110			0.00	40	8,205.12
S4P1-105	Change platforms	30JUL07	2	31JUL07	110			0.00	40	4,102.56
S4P1-106	Assemble right TF Coil Assembly chk position	01AUG07	3	03AUG07	110			0.00	40	8,205.12
S4P1-107	Attach TF coils to MC's	06AUG07	3	08AUG07	110			0.00	40	6,153.84
S4P1-108	Change platforms	09AUG07	2	10AUG07	111			0.00	40	5,470.08
S4P1-109	Position, weld two large horizontal diag ports	13AUG07	8	22AUG07	111			0.00	40	16,410.24
S4P1-110	Inspect Welds	23AUG07	1	23AUG07	111			0.00	40	1,367.52
S4P1-111	Assemble external trim coils to TF Coil	06AUG07	15	24AUG07	110			0.00	40	20,512.80
S4P1-112	Close up VV, leak check	27AUG07	10	07SEP07	110			0.00	40	54,700.80
S4P1-113	Adjust final support base interfaces	10SEP07	10	21SEP07	110			0.00	40	4,102.56
S4P1-113.5	Final metrology outside & inside	24SEP07	10	05OCT07	110			0.00	40	0.00
S4P1-114	Prepare Field Period for shipment	08OCT07	2	09OCT07	110			0.00	40	4,250.40
S4P1-115	Transfer completed assy to C-site test cell	10OCT07	2	11OCT07	110			0.00	40	7,084.00
Stage 4 - Final FP Assy (Instl ports & TF's)FP#2										
S4P2-101	Mount MC/VV assembly to support frame a	12OCT07	2	15OCT07	110			0.00	40	4,250.40
S4P2-102	Position and weld all ports to VV	16OCT07	20	12NOV07	110			0.00	40	85,008.00
S4P2-103	Inspect Welds	13NOV07	5	19NOV07	110			0.00	40	7,084.00
S4P2-104	Assemble left TF Coil Assembly check position	20NOV07	3	22NOV07	110			0.00	40	8,500.80
S4P2-105	Change platforms	23NOV07	2	26NOV07	110			0.00	40	4,250.40
S4P2-106	Assemble right TF Coil Assembly chk position	27NOV07	3	03DEC07	110			0.00	40	8,500.80
S4P2-107	Attach TF coils to MC's	04DEC07	3	06DEC07	110			0.00	40	6,375.60
S4P2-108	Change platforms	07DEC07	2	10DEC07	110			0.00	40	5,667.20
S4P2-109	Position, weld two large horizontal diag ports	11DEC07	8	20DEC07	110			0.00	40	17,001.60
S4P2-110	Inspect Welds	21DEC07	1	21DEC07	110			0.00	40	1,416.80
S4P2-111	Assemble external trim coils to TF Coil	04DEC07	10	17DEC07	114			0.00	40	21,252.00
S4P2-112	Close up VV, leak check	02JAN08	10	15JAN08	110			0.00	40	56,672.00
S4P2-113	Adjust final support base interfaces	16JAN08	10	29JAN08	110			0.00	40	4,250.40
S4P2-113.5	Final metrology outside & inside	30JAN08	10	12FEB08	110			0.00	40	0.00
S4P2-114	Prepare Field Period for shipment	13FEB08	2	14FEB08	110			0.00	40	4,250.40
S4P2-115	Transfer completed assy to C-site test cell	15FEB08	2	18FEB08	110			0.00	40	7,084.00
Stage 4 - Final FP Assy (Instl ports & TF's)FP#3										
S4P3-101	Mount MC/VV assembly to support frame a	19FEB08	2	20FEB08	110			0.00	40	4,250.40



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Forecast
Progress Bar
Critical Activity

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September Status

Completed tasks summarized

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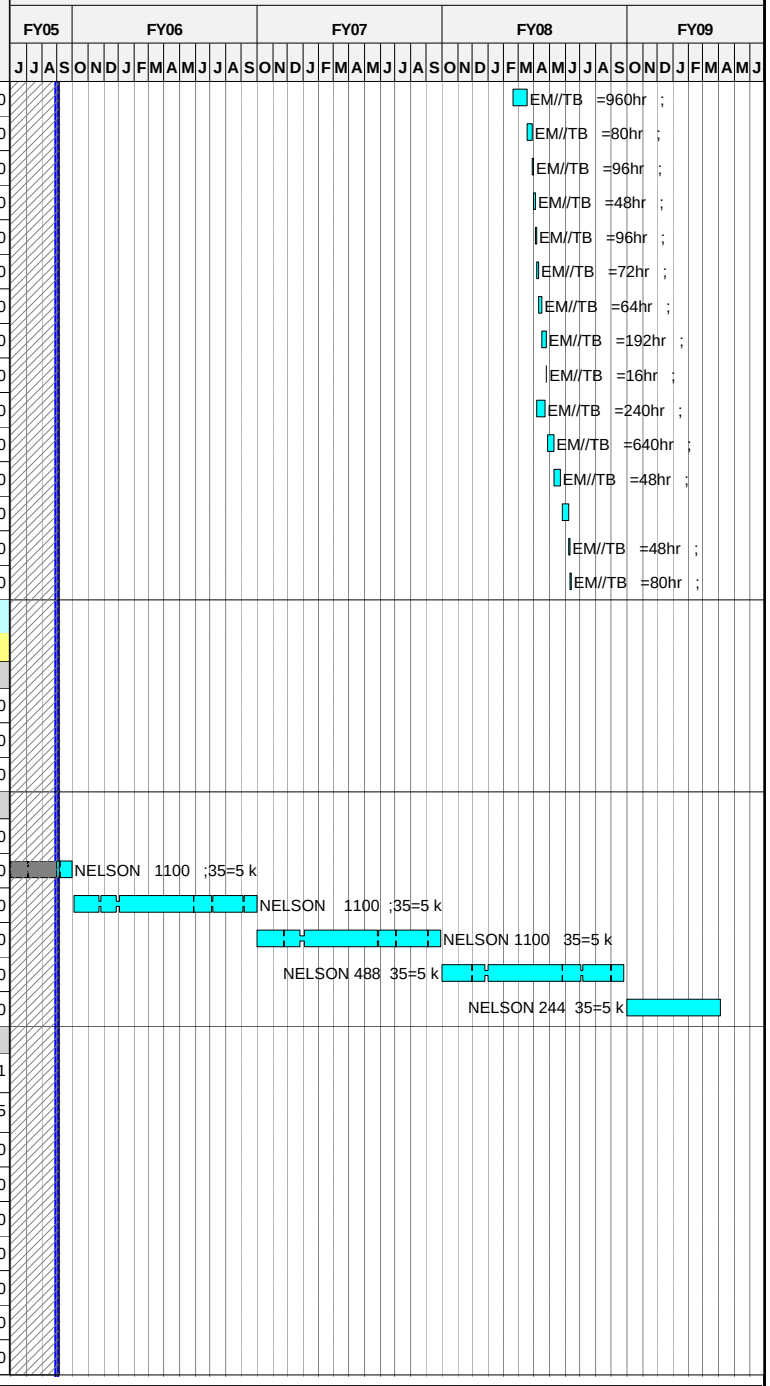
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
S4P3-102	Position and weld all ports to VV*2 shift*	21FEB08	20	19MAR08	110			0.00	40	85,008.00
S4P3-103	Inspect Welds	20MAR08	5	26MAR08	110			0.00	40	7,084.00
S4P3-104	Assemble left TF Coil Assembly check position	27MAR08	3	31MAR08	110			0.00	40	8,500.80
S4P3-105	Change platforms	01APR08	2	02APR08	110			0.00	40	4,250.40
S4P3-106	Assemble right TF Coil Assembly chk position	03APR08	3	07APR08	110			0.00	40	8,500.80
S4P3-107	Attach TF coils to MC's	08APR08	3	10APR08	110			0.00	40	6,375.60
S4P3-108	Change platforms	11APR08	2	14APR08	110			0.00	40	5,667.20
S4P3-109	Position, weld two large horizontal diag ports	15APR08	8	24APR08	110			0.00	40	17,001.60
S4P3-110	Inspect Welds	25APR08	1	25APR08	110			0.00	40	1,416.80
S4P3-111	Assemble external trim coils to TF Coil	08APR08	10	21APR08	114			0.00	40	21,252.00
S4P3-112	Close up VV, leak check	28APR08	10	09MAY08	110			0.00	40	56,672.00
S4P3-113	Adjust final support base interfaces	12MAY08	10	23MAY08	110			0.00	40	4,250.40
S4P3-113.5	Final metrology outside & inside	26MAY08	10	06JUN08	110			0.00	40	0.00
S4P3-114	Prepare Field Period for shipment	09JUN08	2	10JUN08	110			0.00	40	4,250.40
S4P3-115	Transfer completed assy to C-site test cell	11JUN08	2	12JUN08	110			0.00	40	7,084.00
19 - Stellarator Core Management and Integration										
Job: 1901 - Stellarator Core Mngtt&Integr-NELSON										
Prior Costs										
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A			100	187,090.00	0	187,090.00
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	248	30SEP03A			100	67,070.00	0	67,070.00
1901-ECP16	ecp16	01OCT03A	250*	30SEP04A			LOE	30,000.00	10	30,000.00
191 - Stellarator Core Management & Oversight										
191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	250*	30SEP04A			LOE	101,500.00	10	101,500.00
0191-5	LOE-FY05 WBS 191	01OCT04A	249*	30SEP05	1,010		LOE	160,758.00	10	175,500.00
0191-6	LOE-FY06 WBS 191	03OCT05*	250*	02OCT06	513		LOE	0.00	10	197,788.90
0191-6X	LOE-FY07 WBS 191	03OCT06*	247	27SEP07	513		LOE	0.00	10	201,498.00
0191-7	LOE-FY08 WBS 191	03OCT07*	247	26SEP08	263		LOE	0.00	10	99,976.00
191-8	LOE-FY089 WBS 191	03OCT08*	130	02APR09	129		LOE	0.00	10	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	10	234,660.11
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	250*	30SEP04A			LOE	36,676.65	10	36,676.65
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	271	30SEP04A			LOE	42,333.00	10	42,333.00
192-6.07	Time constant calcs using SPARK	01APR04A	42*	28MAY04A			100	6,180.00	10	6,180.00
192-6.08	Indep check time constant calcs using EDDYCUFF	01MAY04A	138*	30SEP04A			100	10,295.20	10	10,295.20
192-6.09	Revised VV geometry	02FEB04A	6	27FEB04A			100	3,090.00	10	3,090.00
192-6.10	MC interf during assly, geometry, assly trajecto	02FEB04A	31	27FEB04A			100	32,957.60	10	32,957.60
192-6.11	Range of motion reqts for Assly MC fixture.	02FEB04A	20	27FEB04A			100	17,507.60	10	17,507.60
192-6.12	Final Check & Verification	01MAY04A	6	28MAY04A			100	3,708.00	10	3,708.00



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Forecast
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Completed tasks summarized

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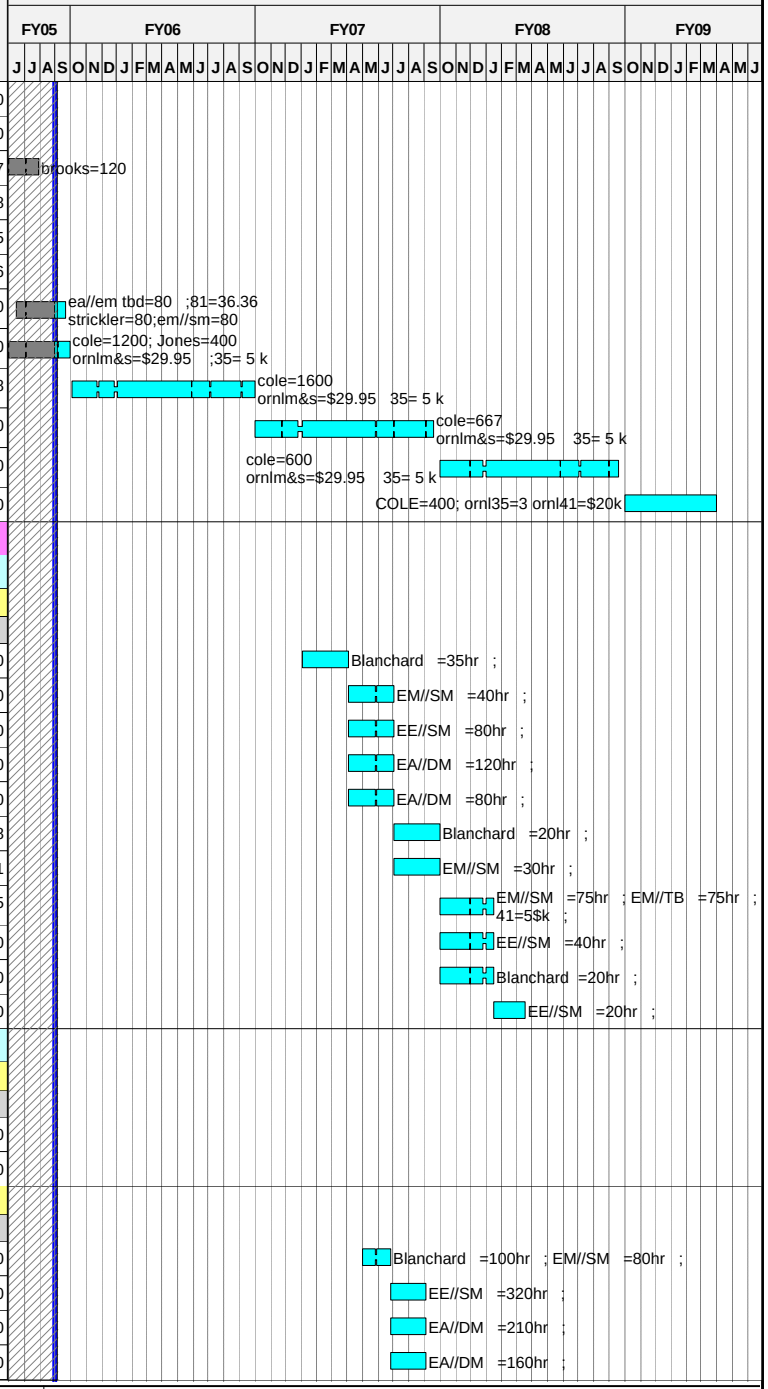
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
192-6.2	Final Mod Coil Trajectories		0	27FEB04A				0.00	10	0.00
192-6.5	Structural Design criteria		0	28MAY04A			100	0.00	10	0.00
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	357*	29JUL05A			100	19,284.37	10	19,284.37
192-6.02	Check critical coil tolerance calculations.	01APR04A	207*	31JAN05A			100	11,098.48	10	11,098.48
192-6.03	Method for determining current center	01FEB04A	234*	30DEC04A			100	86,626.35	10	86,626.35
192-6.06	Coil positions to minimize islands.	02FEB04A	270	28FEB05A			100	66,401.76	10	66,401.76
192-6.031	Demo Method for current center on TRC	18JUN05A	68*	22SEP05	1,021		75	52,786.20	10	70,381.60
0192-5	LOE-FY05 WBS 192	01OCT04A	249*	30SEP05	1,010		LOE	256,800.60	10	280,350.00
0192-6	LOE-FY06 WBS 192	03OCT05*	250	02OCT06	518		LOE	0.00	10	312,504.78
0192-6X	LOE-FY07 WBS 192	03OCT06*	242	20SEP07	518		LOE	0.00	10	158,033.60
0192-7	LOE-FY08 WBS 192	03OCT07*	242	19SEP08	268		LOE	0.00	10	151,531.40
0192-99	LOE-FY09	01OCT08*	130	31MAR09	131		LOE	0.00	10	101,860.00
2 - Plasma Heating, Fueling & Vac Systems										
21 - Fueling Systems										
ECP 16 October 2004										
21-10	Eng. Work Planning and Design	02JAN07*	65	02APR07	227			0.00	14	6,439.30
21-15	Design Gas Handling Hardware	03APR07	65	03JUL07	227			0.00	14	4,817.60
21-20	Design PLC Controls	03APR07	65	03JUL07	292			0.00	14	10,052.80
21-25	Electrical Drafting for pumping system	03APR07	65	03JUL07	292			0.00	14	13,959.60
21-30	Drafting	03APR07	65	03JUL07	292			0.00	14	9,306.40
21-35	Eng. Work Planning and Design during fab	04JUL07	65	02OCT07	292			0.00	14	3,683.68
21-40	Fabrication/Install Hardware	04JUL07	65	02OCT07	227			0.00	14	3,617.21
21-45	Fabrication/installation	03OCT07	65	14JAN08	227			0.00	14	23,039.75
21-55	Install PLC Controls	03OCT07	65	14JAN08	227			0.00	14	5,207.60
21-60	Integrated Systems Testing/Eng	03OCT07	65	14JAN08	227			0.00	14	3,812.20
21-65	Integrated Systems Testing/Tech Support	15JAN08	45	17MAR08	227			0.00	14	2,603.80
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	0	38,000.00
2001-100	PDR Support	01JUN03A	164*	30SEP03A			LOE	25,667.20	0	25,667.20
22-25	Eng. Work Planning and Design	01MAY07*	40	26JUN07	230			0.00	14	28,033.20
22-30	Design PLC based control system	27JUN07	50	04SEP07	270			0.00	14	40,211.20
22-35	Electrical Drafting for pumping system	27JUN07	50	04SEP07	290			0.00	14	24,429.30
22-40	Drafting	27JUN07	50	04SEP07	230			0.00	14	18,612.80



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Completed tasks summarized

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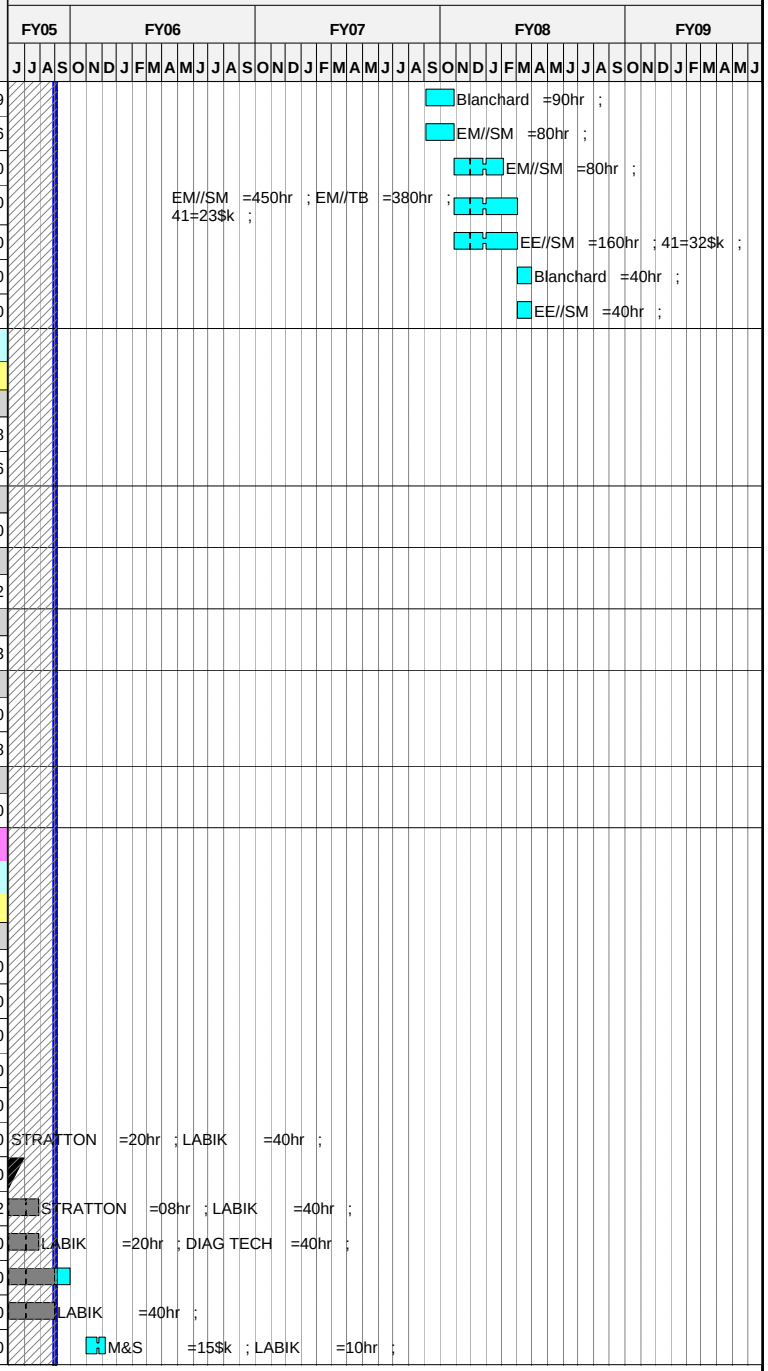
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
22-45	Eng. Work Planning and Design during fab	05SEP07	40	30OCT07	250			0.00	14	16,886.39
22-50	Perform maint. & repair of pmpg sys	05SEP07	40	30OCT07	230			0.00	14	9,826.16
22-55	Repair and Calibration of vac instrumentation	31OCT07	60	04FEB08	250			0.00	14	9,982.40
22-60	Fabrication/installation	31OCT07	80	03MAR08	230			0.00	14	122,184.00
22-65	Fab PLC conrols	31OCT07	80	03MAR08	230			0.00	14	65,886.40
22-70	Integrated Systems Testing/Eng	04MAR08	20	31MAR08	230			0.00	14	7,624.40
22-75	Integrated Systems Testing/Tech Support	04MAR08	20	31MAR08	230			0.00	14	5,207.60
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	16	81,334.78
2501-014.1	FY04 work closeout *TBD*	01JUL04A	64*	30SEP04A			LOE	48,614.06	16	48,614.06
Prior Costs										
2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A			100	123,000.00	0	123,000.00
RefurbishmentCD-3 deleted scope**										
25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A				21,384.62	16	21,384.62
Re-Install BeamlineCD-3 deleted scope**										
25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A				2,060.33	16	2,060.33
Re-Install CablesCD-3 deleted scope**										
25-225.1	Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A				4,812.60	16	4,812.60
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A				727.68	16	727.68
Beamline ConnectionsCD-3 deleted scope**										
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A				2,433.60	16	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	30	1,000.00
3101-109	INTEGRATE LOOP AND LEAD DESIGN WITH H/C	01JAN05A	40	28FEB05A			100	6,416.80	30	6,416.80
3101-113	INTEGRATE LAYOUT, MEAS NEEDS W/ VSL METRO	01JAN05A	40	28FEB05A			100	3,208.40	30	3,208.40
3101-117	DEVELOP CONSTRAINTS FOR ARRAY LAYOUT	01JAN05A	20	31JAN05A			100	0.00	30	0.00
3101-121	LAYOUT CANDIDATE SENSOR ARRAY ON PRO-E	01FEB05A	20	28FEB05A			100	0.00	30	0.00
3101-125	PDR PREP -VESSEL SADDLE LOOP MOUNTING	02MAY05A	5	31MAY05A			100	9,483.60	30	9,483.60
3101-126	PEER REVIEW -VESSEL SADDLE LOOP MOUNTING		0	31MAY05A			100	0.00	30	0.00
3101-129	DESIGN AND PROTOTYPE SADDLE LOOP	01MAR05A	107*	29JUL05A			100	7,643.52	30	7,643.52
3101-133	Prototype loops on vsl proto segment using ARI	01MAR05A	107*	29JUL05A			100	6,189.20	30	6,189.20
3101-137	FINAL OPTIMIZATION OF LOOP LOCATION, AREA	01JAN05A	193*	30SEP05	376		100	0.00	30	0.00
3101-149	PREPARE METROLOGY	01JUN05A	87*	31AUG05A			100	6,416.80	30	6,416.80
3101-145	Procure MI Cable	31OCT05*	28*	09DEC05	356			0.00	30	23,983.20



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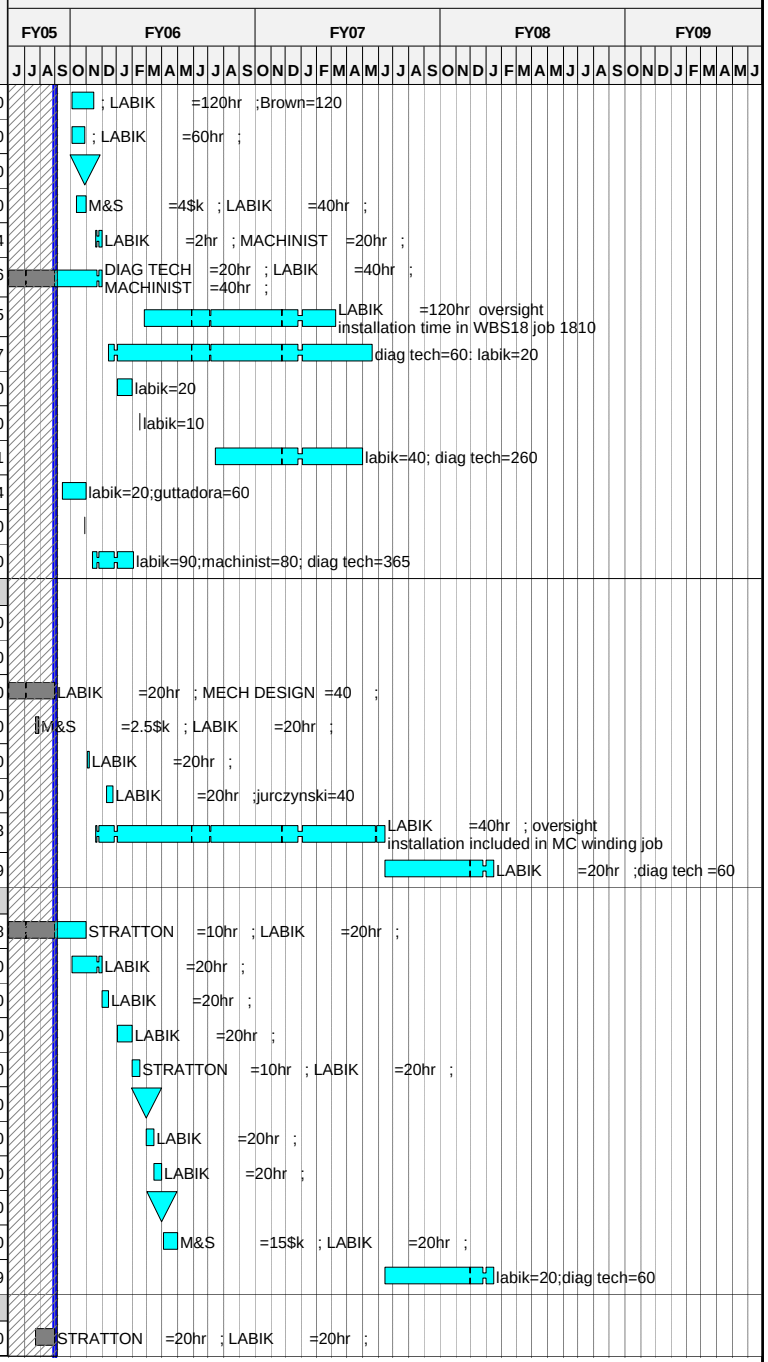
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
3101-139	Develop ProE model of loops, flat dev, fiducials	03OCT05*	32*	15NOV05	983			0.00	30	43,606.80
3101-141	FDR PREP- VESSEL SADDLE LOOPS	03OCT05*	20*	28OCT05	356			0.00	30	10,789.20
3101-142	FDR - VESSEL SADDLE LOOPS		0	28OCT05	356			0.00	30	0.00
3101-146	Procure remaining materials	14OCT05*	13*	01NOV05	993			0.00	30	13,108.80
3101-153	Fab Installation Templates	21NOV05*	6*	30NOV05	363			0.00	30	2,714.04
3101-157	Design & fab tooling and clamps	01JUN05A	128*	30NOV05	363		40	5,030.82	30	12,577.06
3101-161	SUPT LOOP INSTL 200 LOOPS), TESTING	24FEB06	261*	09MAR07	278			0.00	30	21,783.05
3101-165	Identify lead wires at multiple locations	15DEC05*	357*	21MAY07	607			0.00	30	8,696.87
3101-167	Design voltage loop connections	03JAN06*	21*	31JAN06	936			0.00	30	3,596.40
3101-169	Voltage loop connection peer review	15FEB06*	1	15FEB06	925			0.00	30	1,798.20
3101-225	Terminate saddle loops	14JUL06	200*	01MAY07	278			0.00	30	29,394.31
3101-333	Complete termination box design & prototyping	15SEP05*	33*	31OCT05	994			0.00	30	10,557.24
3101-421	FDR of terminations incl in saddle loop FDR	28OCT05*	1	28OCT05	995			0.00	30	0.00
3101-517	Fab termination boxes (24)	15NOV05*	49*	01FEB06	935			0.00	30	56,093.50
Modular Coil C-wound Loops										
3101-205	MOUNTING/LOCATING STRATEGY MC CO-WOUND	01JAN05A	20	31JAN05A			100	3,208.40	30	3,208.40
3101-209	PROTOTYPE ON TWISTED RACETRACK	01MAR05A	20	31MAR05A			100	4,741.80	30	4,741.80
3101-213	DESIGN TERMINATION	01MAR05A	130*	31AUG05A			100	7,302.40	30	7,302.40
3101-221	PROCURE MATERIALS	25JUL05A	0*	29JUL05A			100	6,410.90	30	6,410.90
3101-217	Peer review of lead routing	04NOV05*	2	07NOV05	120			0.00	30	3,596.40
3101-230	Install heat shrink tubing on MI cable	12DEC05*	10	23DEC05	957			0.00	30	8,305.20
3101-229	SUPPORT NSTALLATION, TERMINATION, TESTING	21NOV05	389*	13JUN07	140			0.00	30	7,267.23
3101-231	Terminate MC co-wound loops	15JUN07	144*	15JAN08	134			0.00	30	11,091.59
Rogowski Coils										
3101-301	LAYOUT LOCATION ROWGOSKI COIL &EST COIL	01JUN05A	108*	31OCT05	994		80	3,880.22	30	4,850.28
3101-305	work on coil design with vendor	03OCT05*	41*	30NOV05	395			0.00	30	3,596.40
3101-309	DESIGN COIL MOUNTING TECHNIQUE	01DEC05*	11*	15DEC05	395			0.00	30	3,596.40
3101-313	DESIGN LEAD ROUTING AND TERMINATION	03JAN06*	21*	31JAN06	389			0.00	30	3,596.40
3101-317	PDR PREP- ROWGOWSKI COIL	01FEB06*	11*	15FEB06	389			0.00	30	5,299.70
3101-318	PDR - ROWGOWSKI COIL		0	28FEB06*	380			0.00	30	0.00
3101-321	Specify Rogowski Coils	01MAR06*	11*	15MAR06	380			0.00	30	3,596.40
3101-325	FDR PREP ROWGOSKI COIL	16MAR06*	12*	31MAR06	380			0.00	30	3,596.40
3101-326	FDR - ROWGOSKI COIL		0	31MAR06	380			0.00	30	0.00
3101-329	FAB ROWGOWSKI COILS (2)	03APR06	21*	01MAY06	380			0.00	30	25,781.40
3101-337	INSTALL COILS AND TERMINATIONS	15JUN07	144*	15JAN08	134			0.00	30	8,957.69
TF Co-wound Loops										
3101-401	MOUNTING/LOCATING TECHNIQUE TF CO-WOUND	25JUL05A	28*	31AUG05A			100	6,275.20	30	6,275.20



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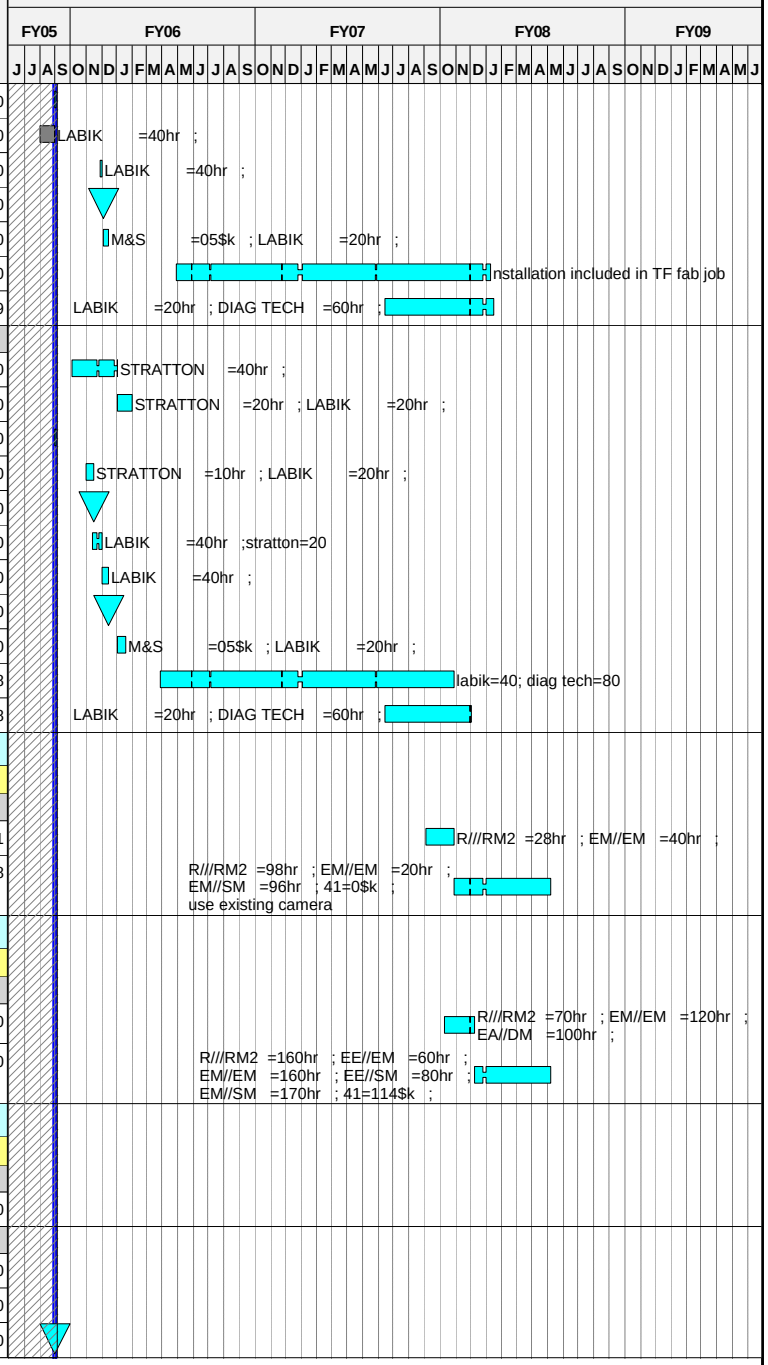
3101-405	DESIGN TERMINATION N/R	01SEP05	1	01SEP05	1,025			0.00	30	0.00
3101-409	FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	01AUG05A	20	31AUG05A			100	6,416.80	30	6,416.80
3101-413	FDR PREP- TF CO-WOUND LOOPS	28NOV05*	3*	30NOV05	966			0.00	30	7,192.80
3101-414	FDR - TF CO-WOUND LOOPS		0	05DEC05*	963			0.00	30	0.00
3101-417	PROCURE MATERIALS	06DEC05	8*	15DEC05	963			0.00	30	10,991.40
3101-425	INSTALL TF CO-WOUND LOOPS	28APR06	425*	10JAN08	133			0.00	30	0.00
3101-429	INSTALL TERMINATIONS	15JUN07	144*	15JAN08	134			0.00	30	8,957.69
Modular Coil Shell Saddle Loops										
3101-501	DETERMINE NUMEBR AND LOCATION OF LOOPS	03OCT05*	59*	03JAN06	936			0.00	30	6,813.20
3101-505	MOUNTING/LOCATING TECHN MC SHELL SADDLE	04JAN06*	20*	31JAN06	936			0.00	30	7,003.00
3101-509	PROTOTYPE MC SHELL SADDLE LOOPS N/R	01SEP05	1	01SEP05	1,024			0.00	30	0.00
3101-513	PDR PREP -MC SHELL SADDLE LOOPS	01NOV05*	12*	16NOV05	982			0.00	30	5,299.70
3101-514	PDR-MC SHELL SADDLE LOOPS		0	16NOV05	982			0.00	30	0.00
3101-521	FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	15NOV05*	10*	30NOV05	509			0.00	30	10,599.40
3101-525	FDR PREP - MC SHELL SADDLE LOOPS	01DEC05*	11*	15DEC05	509			0.00	30	7,192.80
3101-526	FDR - MC SHELL SADDLE LOOPS		0	15DEC05	509			0.00	30	0.00
3101-529	PROCURE MATERIALS	03JAN06*	10*	16JAN06	503			0.00	30	10,991.40
3101-533	INSTALL MC SHELL SADDLE LOOPS	28MAR06	404*	29OCT07	134			0.00	30	14,118.58
3101-537	INSTALL TERMINATIONS	15JUN07	120	03DEC07	158			0.00	30	8,924.18
36 - Edge and Divertor Diagnostics										
361-001	Design Visible Camera sys	04SEP07	40	29OCT07	186			0.00	20	12,470.31
361-015	Fab/Assy/Installation Visible Camera	30OCT07*	130	08MAY08	186			0.00	20	33,484.98
38 - Electron Beam (EB) Mapping										
380-010	Designe-Beam Probe,Fluor. Screen	12OCT07	40	10DEC07	186			0.00	34	47,563.70
380-015	Fab & Install Beam probe	11DEC07*	102	08MAY08	186			0.00	34	262,530.00
39 - Diagnostics Integration										
Job: 3901 - Diagnostics sys Integration-JOHNSON										
Prior Costs										
390-001	LOE Support FY03	01APR03A	151*	30SEP03A			100	155,450.00	30	155,450.00
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A			100	0.00	10	0.00
390-110	Resolve port interferences.Final port config		0	30JUN04A			100	0.00	10	0.00
390-120	Update port map&revise diag port assignments		0	31AUG05*	1,031		90	0.00	10	0.00



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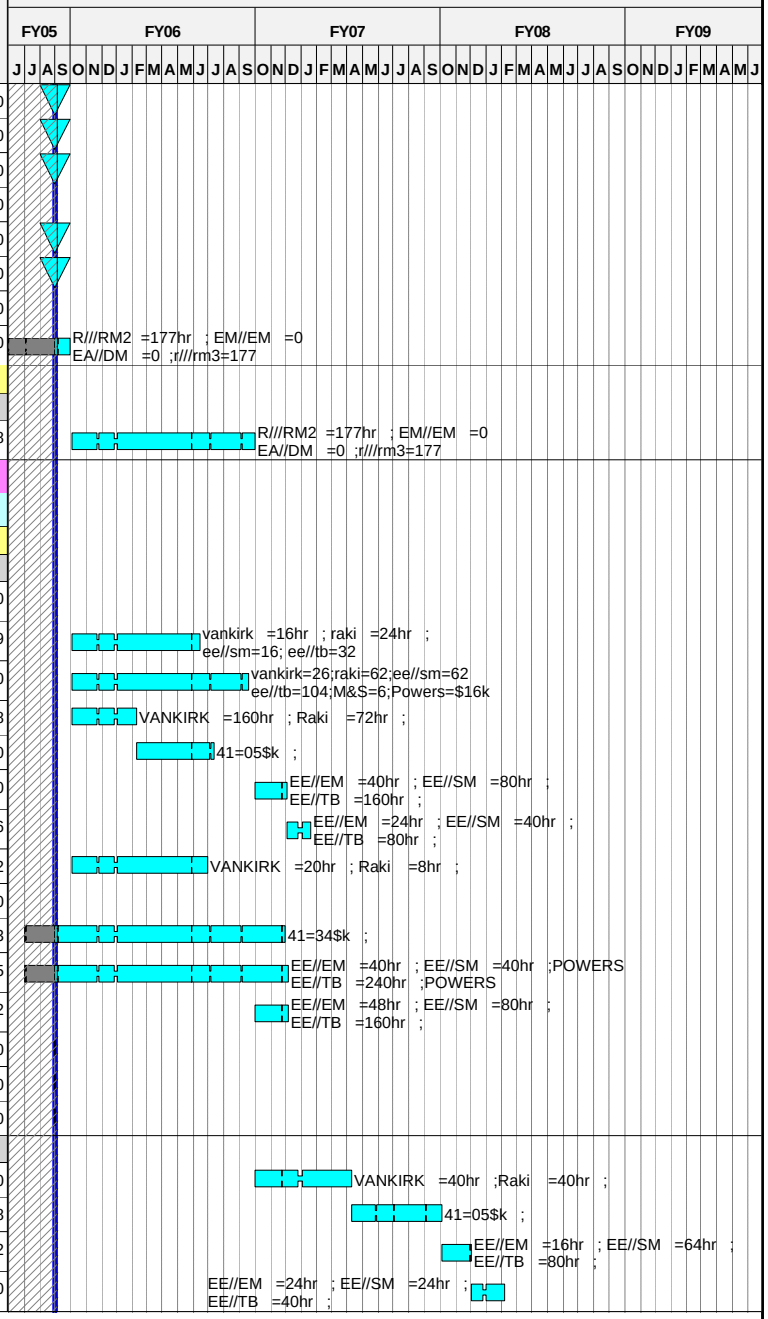
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	31AUG05*	1,031		100	0.00	10	0.00
390-140	Write ICD's-Define external space for diagnostic		0	31AUG05*	1,031		50	0.00	10	0.00
390-150	Write ICD's-Define space f/racks in cntrl rm		0	31AUG05*	1,031		50	0.00	10	0.00
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A			100	0.00	10	0.00
390-170	Develop space envelopes for SXR		0	31AUG05*	1,031		70	0.00	10	0.00
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	31AUG05*	1,031			0.00	10	0.00
390-010	LOE Support FY04	01OCT03A	250*	30SEP04A			LOE	65,000.00	30	65,000.00
390-015	LOE Support FY05 **reduced scope	01OCT04A	249*	30SEP05	1,010		LOE	60,783.29	30	66,357.30
390-020	LOE Support FY06	03OCT05*	249*	29SEP06	761			0.00	30	73,709.88
4 - Electrical Power Systems										
41 - AC Power										
Job: 4101 - AC Power-RAMAKRISHNAN										
411 - Auxiliary AC Power Systems										
4101-100	Prepare Preliminary One line diagram	01MAR04A	173*	30SEP04A			100	8,442.00	18	8,442.00
4101-100.1	Prepare Preliminary One line diagram	03OCT05*	173	13JUN06	837			0.00	18	1,062.59
411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	03OCT05*	241	19SEP06	769			0.00	18	62,575.60
411-2-2	Grounding-Dsn	03OCT05*	86	09FEB06	613			0.00	18	30,650.88
411-2-4	Grounding-Procure	10FEB06*	107	12JUL06	613			0.00	18	7,395.00
411-2-6	Grounding-Install	02OCT06*	43	01DEC06	514			0.00	18	65,513.00
411-2-8	Grounding-Commission	04DEC06*	29	19JAN07	514			0.00	18	16,152.16
411-3-2	Test Cell AC Power Distr-Dsn	03OCT05*	186	30JUN06	649			0.00	18	3,658.32
411-3-2.04	Test Cell AC Power fy04	01APR04A	186*	30SEP04A			100	73,000.00	18	73,000.00
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfrmrs)	01JUL05A	355*	30NOV06	544		20	9,738.85	18	48,694.23
411-3-6	Test Cell AC Power Distr-Install	01JUL05A	358*	05DEC06	541		50	15,760.53	18	31,521.05
411-3-8	Test Cell AC Power Distr-Commission	02OCT06*	45	05DEC06	541			0.00	18	32,304.32
411-4-2	Standby Power for Cryo Sys -Dsn	01SEP05	0	31AUG05	1,031			0.00	18	0.00
411-4-4	Standby Power for Cryo Sys -Procure	01SEP05	0	31AUG05	1,031			0.00	18	0.00
411-4-6	Standby Power for Cryo Sys -Install	01SEP05	0	31AUG05	1,031			0.00	18	0.00
412 - Experimental AC Power Systems										
412-1-2	D-site Pulsed AC Power Distr-Dsn	02OCT06*	128	09APR07	236			0.00	18	11,734.80
412-1-4	D-site Pulsed AC Power Distr-Procure	10APR07	125	04OCT07	236			0.00	18	6,928.68
412-1-6	D-site Pulsed AC Power Distr-Install	05OCT07	40	03DEC07	236			0.00	18	18,390.72
412-1-8	D-site Pulsed AC Power Distr-Commission	04DEC07	40	05FEB08	236			0.00	18	11,088.40



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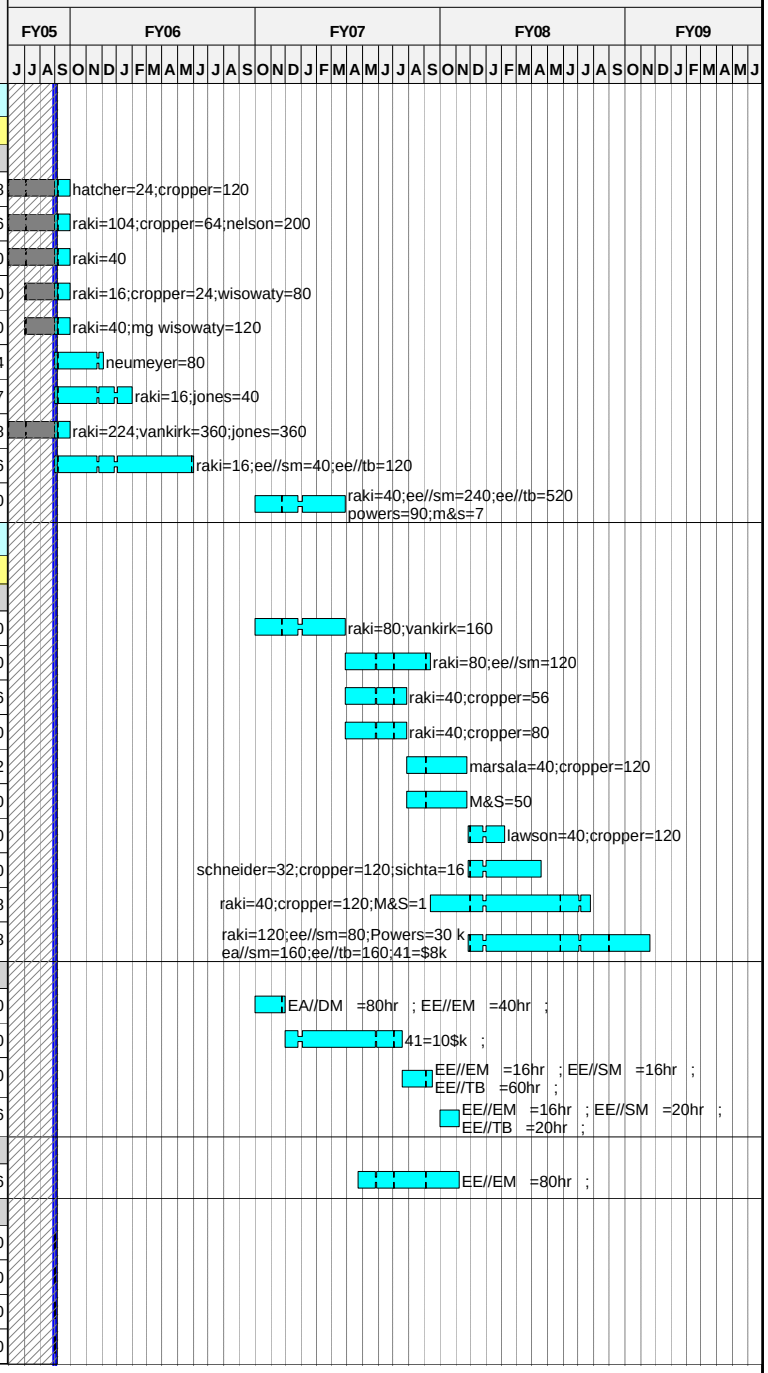
43 - DC Systems										
Job: 4301 - DC Systems-RAMAKRISHNAN										
431 - C-Site DC Systems										
431-200	Condition/spare parts inventory	01OCT04A	249*	30SEP05	1,010		95	16,156.54	18	17,006.88
431-210	Organize & verify documentation	01OCT04A	249*	30SEP05	1,010		95	41,559.24	18	43,746.56
431-215	Document status	01OCT04A	249*	30SEP05	1,010		90	5,607.72	18	6,230.80
431-225	Reactivate DF & PEI units	01JUL05A	64*	30SEP05	1,010		5	559.82	18	11,196.40
431-230	Load test	01JUL05A	64*	30SEP05	1,010		5	765.32	18	15,306.40
431-240	Simulate each of 6 pwr loops in PSCAD	01SEP05*	65	05DEC05	966			0.00	18	13,396.84
431-250	c-site dc sys DGS dsn documentation	01SEP05*	100	31JAN06	931			0.00	18	7,163.27
431-260	Power loop design	01NOV04A	228*	30SEP05	1,010		80	86,867.58	18	108,584.48
431-265	Fabricate bus components	01SEP05*	185	31MAY06	846			0.00	18	17,562.56
431-275	Power cabling & Installation	02OCT06*	121	29MAR07	492			0.00	18	216,284.20
44 - Control and protection Systems										
Job: 4401 - Control & Protection-RAMAKRISHNAN										
441 - Electrical Interlocks										
441-095	Design Interlock sys	03OCT06*	118	27MAR07	224			0.00	18	32,776.00
441-097	Install Interlock sys	28MAR07	119	13SEP07	309			0.00	18	29,242.40
441-100	PLC Specification	28MAR07	85	26JUL07	224			0.00	18	14,118.56
441-105	Prep Block diagrams	28MAR07	85	26JUL07	224			0.00	18	17,134.40
441-110	PLC CWD's & Cabling	27JUL07*	85	23NOV07	224			0.00	18	22,536.52
441-115	deliver PLC	27JUL07*	85	23NOV07	472			0.00	18	70,400.00
441-120	Program PLC Logic	26NOV07	45	06FEB08	427			0.00	18	22,959.20
441-125	Program Control pages	26NOV07	97	18APR08	375			0.00	18	24,222.00
441-130	Pre-commissioning tests	14SEP07	214	23JUL08	309			0.00	18	24,324.98
441-135	Install I/O Cabling	26NOV07	248	20NOV08	224			0.00	18	119,949.68
442 - Kirk Key Interlocks										
442-1-2	Kirk Keys-Dsn	02OCT06*	41	29NOV06	290			0.00	18	16,388.00
442-1-4	Kirk Keys-Procure	30NOV06	158	19JUL07	290			0.00	18	13,850.00
442-1-6	Kirk Keys-Install	20JUL07	40	14SEP07	290			0.00	18	44,625.80
442-1-8	Kirk Keys-Commission	01OCT07	30	09NOV07	290			0.00	18	7,319.36
443 - Real Time Control Systems										
443-1-2	Develop Control Algorithms-Dsn	23APR07*	142	09NOV07	274			0.00	18	14,270.86
444 - Instrument Systems										
444-1-2	DC Current Transducers (DCCTs)-Dsn	01SEP05	0	31AUG05	1,031			0.00	18	0.00
444-1-4	DC Current Transducers (DCCTs)-Procure	01SEP05	0	31AUG05	1,031			0.00	18	0.00
444-1-6	DC Current Transducers (DCCTs)-Install	01SEP05	0	31AUG05	1,031			0.00	18	0.00
444-1-8	DC Current Transducers (DCCTs)-Commission	01SEP05	0	31AUG05	1,031			0.00	18	0.00



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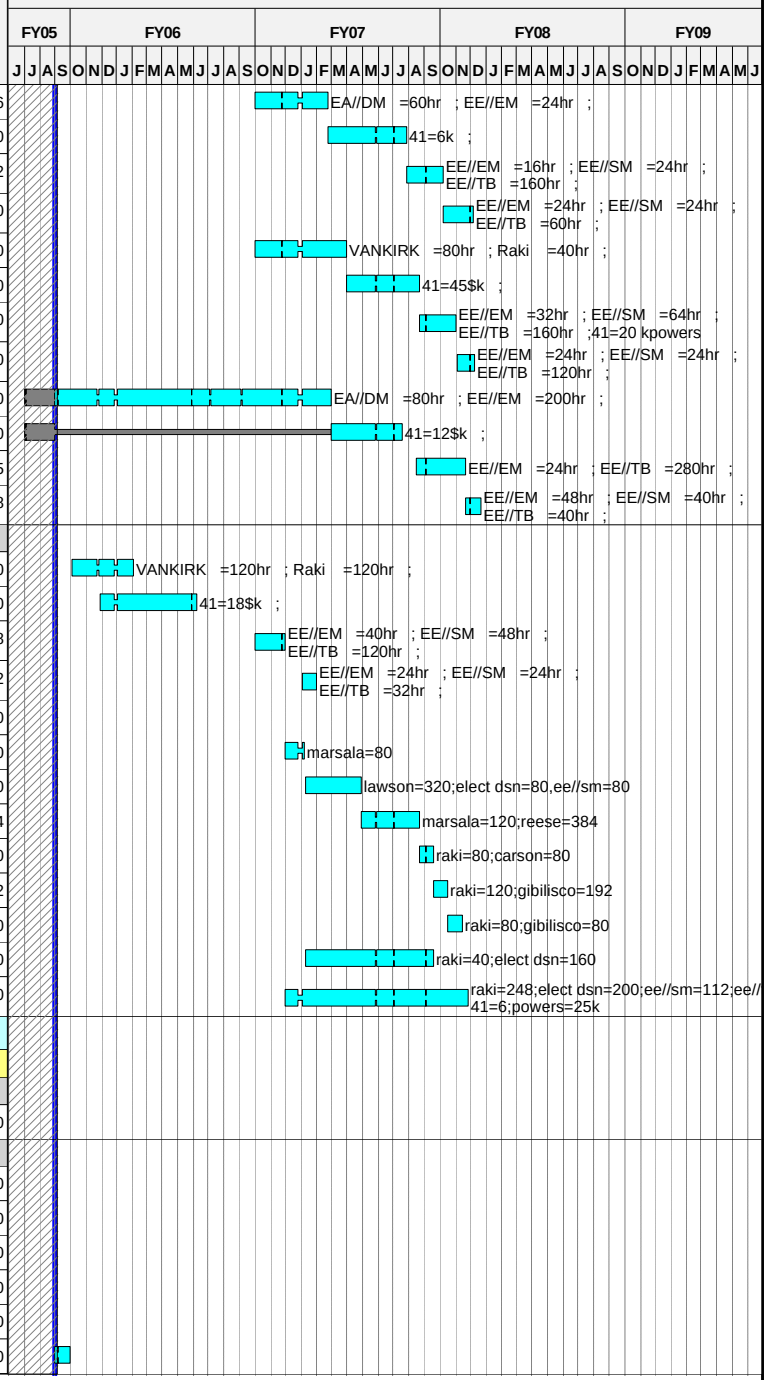
444-2-2	DC Potential Transducers (DCPTs)-Dsn	02OCT06*	95	21FEB07	466			0.00	18	11,228.76
444-2-4	DC Potential Transducers (DCPTs)-Procure	22FEB07	109	26JUL07	466			0.00	18	8,310.00
444-2-6	DC Potential Transducers (DCPTs)-Install	27JUL07	51	08OCT07	466			0.00	18	19,685.02
444-2-8	DC Potential Transducers (DCPTs)-Commission	09OCT07	40	05DEC07	466			0.00	18	12,869.40
444-3-2	DC Shunts-Dsn	02OCT06*	122	30MAR07	463			0.00	18	16,388.00
444-3-4	DC Shunts-Procure	02APR07	101	22AUG07	463			0.00	18	62,325.00
444-3-6	DC Shunts-Install	23AUG07	51	02NOV07	463			0.00	18	55,871.00
444-3-8	DC Shunts-Commission	05NOV07	24	10DEC07	463			0.00	18	18,212.40
444-4-2	Signal Conditioning & Cabling-Dsn	01JUL05A	413*	28FEB07	454		5	2,163.63	18	43,272.70
444-4-4	Signal Conditioning & Cabling-Procure	01JUL05A	511*	18JUL07	454		5	811.97	18	16,239.40
444-4-6	Signal Conditioning & Cabling-Install	15AUG07	68	19NOV07	454			0.00	18	28,856.75
444-4-8	Signal Conditioning & Cabling-Commission	20NOV07	22	21DEC07	454			0.00	18	17,573.28
445 - Coil Protection Systems										
445-1-2	Ground Fault Protection-Dsn	03OCT05*	82	03FEB06	656			0.00	22	34,408.80
445-1-4	Ground Fault Protection-Procure	28NOV05*	130	06JUN06	570			0.00	22	26,622.00
445-1-6	Ground Fault Protection-Install	02OCT06*	40	28NOV06	489			0.00	22	23,428.48
445-1-8	Ground Fault Protection-Commission	04JAN07	20	31JAN07	489			0.00	22	10,015.52
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	272	30SEP04A				1,054.90	22	1,054.90
445-2-105	Overload Protect-Write spec and approve	01DEC06*	20	05JAN07	470			0.00	22	14,163.20
445-2-110	Overload Protect-Design	08JAN07	80	27APR07	480			0.00	22	76,012.00
445-2-115	Overload Protect-Fabr 4 chassis 120 modls	30APR07*	79	20AUG07	480			0.00	22	69,498.24
445-2-120	Overload Protect-Test 4 units	21AUG07	20	18SEP07	480			0.00	22	24,216.00
445-2-125	Overload Protect-Install & Rack wiring	19SEP07	20	16OCT07	480			0.00	22	46,352.02
445-2-130	Overload Protect-Write & perform ISTP	17OCT07	20	13NOV07	480			0.00	22	25,088.00
445-2-135	Overload Protect-Documentation	08JAN07*	180	19SEP07	519			0.00	22	25,694.40
445-2-140	Overload Protection&cabling design,procure instl	01DEC06*	249	27NOV07	470			0.00	22	145,550.00
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	0	112,340.00
451 - System Design & Interfaces										
4501-100	Design Drawings	02FEB04A	193*	30SEP04A			100	19,807.80	18	19,807.80
4501-110	Calculations-FY04	01MAR04A	151*	30SEP04A			100	0.00	18	0.00
451-0-1	C-Site Decision	30APR04A	0	30APR04A			100	0.00	18	0.00
451-7-2	FDR DC transmission-Dsn	01MAY04A	0*	28MAY04A			100	10,084.00	18	10,084.00
451-7-20	FDR DC transmission		0	28MAY04A			100	0.00	18	0.00
451-0-2	Develop SRD	01SEP05	21	30SEP05	1,010			0.00	18	0.00



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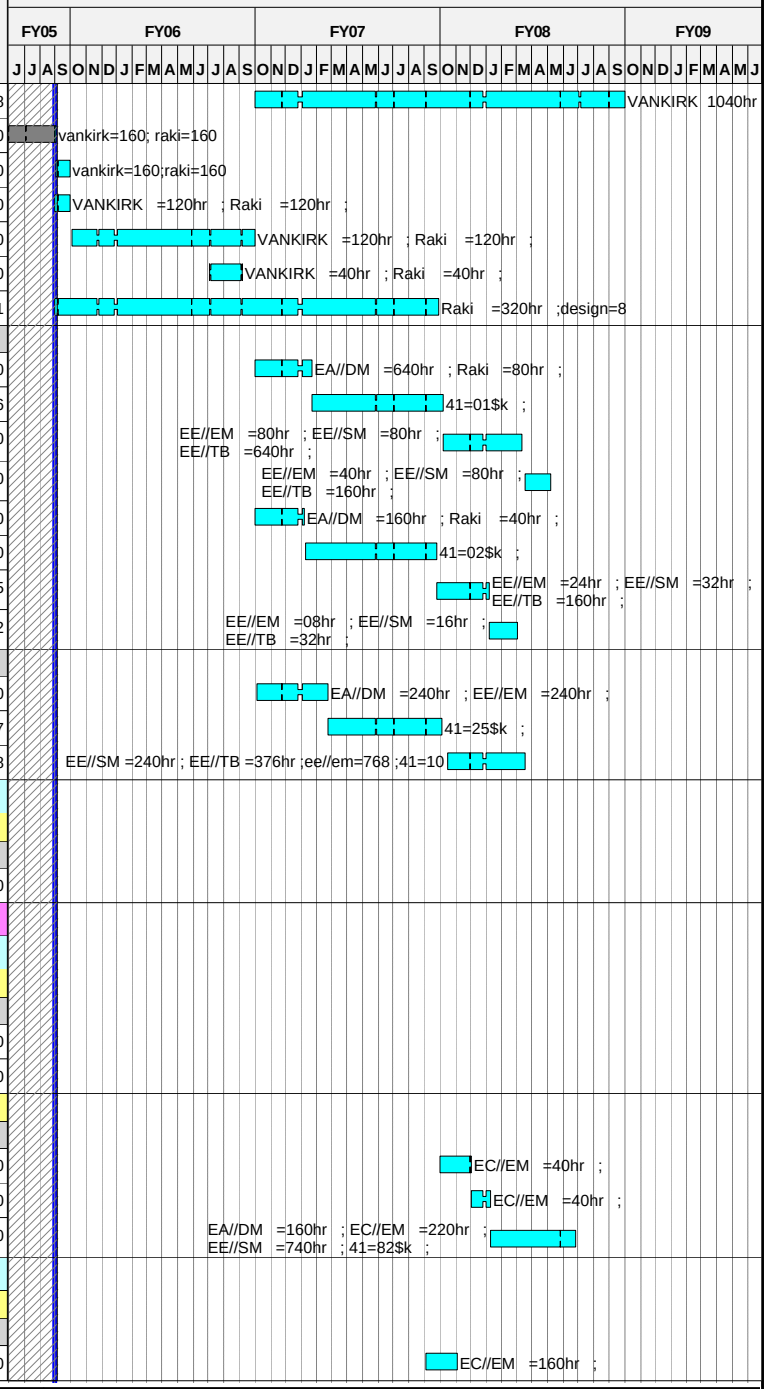
451-3-2	Dwgs,asbuilts -Elect Dsn	02OCT06*	500*	30SEP08	261			0.00	18	166,427.78
451-2-1	CDR Power system -Dsn	01DEC04A	188*	01SEP05	761		95	39,234.24	18	41,299.20
451-2-2	PDR Power system -Dsn	02SEP05	20*	30SEP05	761			0.00	18	41,299.20
451-6-2	FDR C-Site -Cabling	01SEP05*	21*	30SEP05	1,010			0.00	18	30,974.40
451-2-2.1	FDR C-Site	03OCT05	249*	29SEP06	761			0.00	18	34,408.80
451-4-2	FDR AC auxiliaries & grounding-Dsn	03JUL06*	45	05SEP06	779			0.00	18	11,469.60
451-1-2	Calculations-Dsn	01SEP05*	519*	28SEP07	512			0.00	18	56,679.31
452 - Electrical Systems Support										
452-1-2	Diagnostics AC Power Distr-Dsn	03OCT06*	72	22JAN07	186			0.00	26	88,614.40
452-1-4	Diagnostics AC Power Distr-Procure	23JAN07	182	08OCT07	186			0.00	26	1,385.76
452-1-6	Diagnostics AC Power Distr-Install	09OCT07	105	13MAR08	186			0.00	26	82,080.00
452-1-8	Diagnostics AC Power Distr-Commission	19MAR08	37	08MAY08	186			0.00	26	31,999.60
452-2-2	Diagnostics sensor cabling-Dsn	03OCT06*	61	05JAN07	234			0.00	26	25,694.40
452-2-4	Diagnostics sensor cabling-Procure	08JAN07	185	26SEP07	234			0.00	26	2,770.00
452-2-6	Diagnostics sensor cabling-Install	27SEP07	65	07JAN08	234			0.00	26	22,791.55
452-2-8	Diagnostics sensor cabling-Commission	08JAN08	40	03MAR08	234			0.00	26	6,399.92
453 - System Testing (PTP's)										
453-1-2	New Procedures	06OCT06*	90	20FEB07	345			0.00	18	70,408.80
453-1-4	Preop Testing-Procure test equipt	21FEB07*	160	05OCT07	345			0.00	18	34,642.97
453-1-8	Testing PTPs, ISTPs	19OCT07*	100	18MAR08	236			0.00	18	219,667.28
46 - FCPC Building Modifications										
Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN										
Prior Costs										
4601-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A			100	1,300.00	0	1,300.00
5 - Central I&C Systems										
51 - TCP/IP Infrastructure Systems										
Job: 5801 -Central I&C Integr & Oversight-SICHTA										
51-00	FY03	01APR03A	250*	30SEP03A			LOE	11,900.00	3	11,900.00
51-01	FY04 LOE support	01OCT03A	250*	30SEP04A			LOE	16,000.00	3	16,000.00
51-10	Preliminary Design (Title I)	01OCT07*	45	04DEC07	239			0.00	5	6,825.20
51-20	Final Network Design (Title II)	05DEC07	20	09JAN08	239			0.00	5	6,825.20
51-30	Installation, Testing, Documentation (Title III)	10JAN08	120	26JUN08	239			0.00	5	269,040.80
52 - Central Instrumentation & Control										
52-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	138			0.00	10	26,900.20



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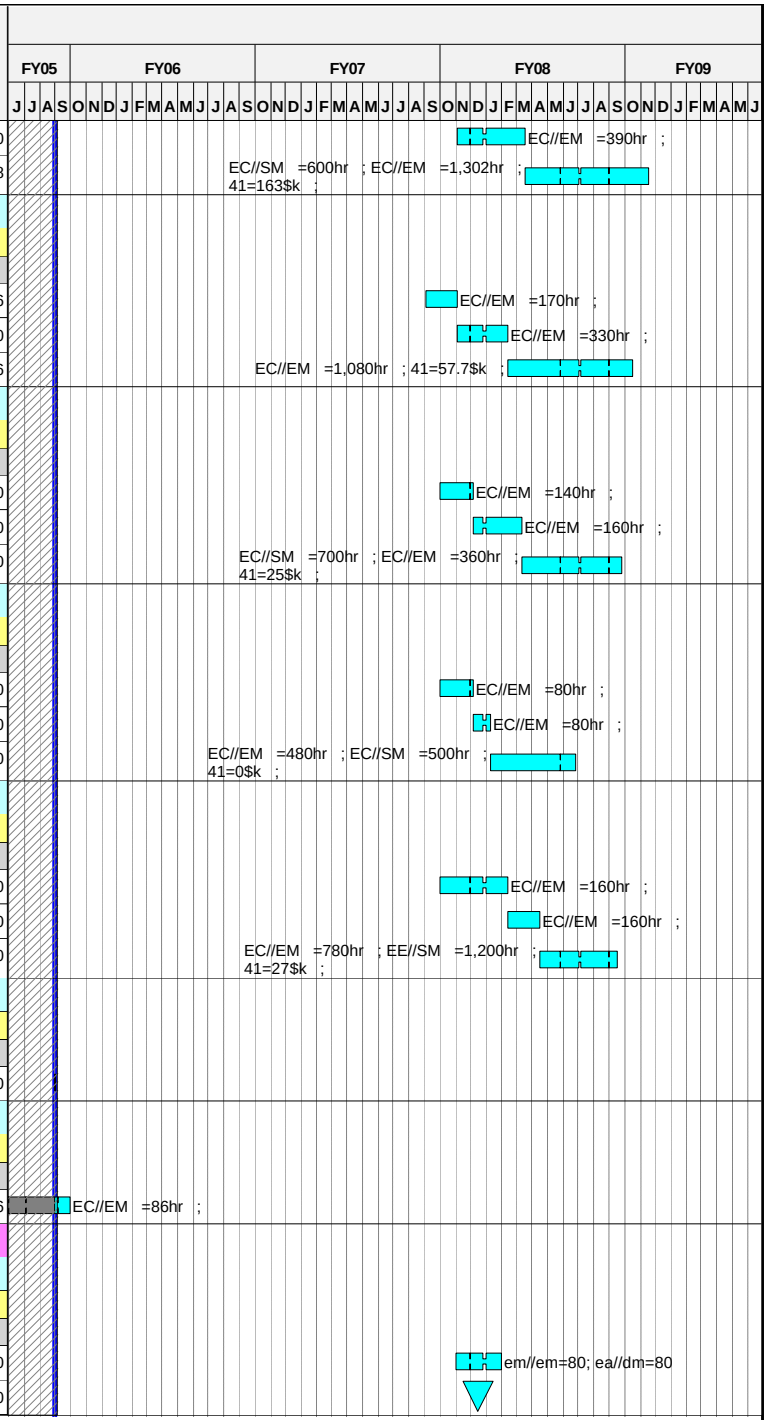
52-20	Final Design (Title II)	06NOV07	87	17MAR08	138			0.00	10	66,545.70
52-30	Installation, Testing, Documentation (Title III)	18MAR08	173	18NOV08	138			0.00	10	517,471.88
53 - Data Acquisition & Facility Computing										
53-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	160			0.00	16	28,581.46
53-20	Final Design (Title II)	06NOV07	65	14FEB08	160			0.00	16	56,307.90
53-30	Coding, Configuration, Testing (Title III)	15FEB08	173	17OCT08	160			0.00	16	266,124.36
54 - Facility Timing & Synchronization										
54-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	178			0.00	14	23,888.20
54-20	Final Design (Title II)	06DEC07	65	13MAR08	178			0.00	14	27,300.80
54-30	Installation, Testing, Documentation (Title III)	14MAR08	135	23SEP08	178			0.00	14	169,775.20
55 - Real Time Plasma & Power Supply Control Sys										
55-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	238			0.00	8	13,650.40
55-20	Final Design (Title II)	06DEC07	20	10JAN08	238			0.00	8	13,650.40
55-30	Installation, Testing, Documentation (Title III)	11JAN08	120	27JUN08	238			0.00	8	134,352.40
56 - Central Safety Interlock Systems										
56-10	Preliminary Design (Title I)	02OCT07*	87	11FEB08	183			0.00	8	27,300.80
56-20	Final Design (Title II)	12FEB08	45	14APR08	183			0.00	8	27,300.80
56-30	Installation, Testing, Documentation (Title III)	15APR08	108	16SEP08	183			0.00	8	327,335.40
57 - Control Room Facility										
57-10		01SEP05	0	31AUG05	1,031			0.00	3	0.00
58 - Central I&C management and Integration										
Job: 5801 -Central I&C Integr & Oversight-SICHTA										
51-02	FY05 LOE support	01OCT04A	249*	30SEP05	1,010		LOE	11,415.43	3	12,462.26
6 - Facility Systems										
61 - Water Systems										
613 - Vacuum Pumping System										
623.011	Design WBS 612	01NOV07*	59	01FEB08	210			0.00	20	24,890.40
623.012	PDR WBS 612	17DEC07	0		239			0.00	20	0.00



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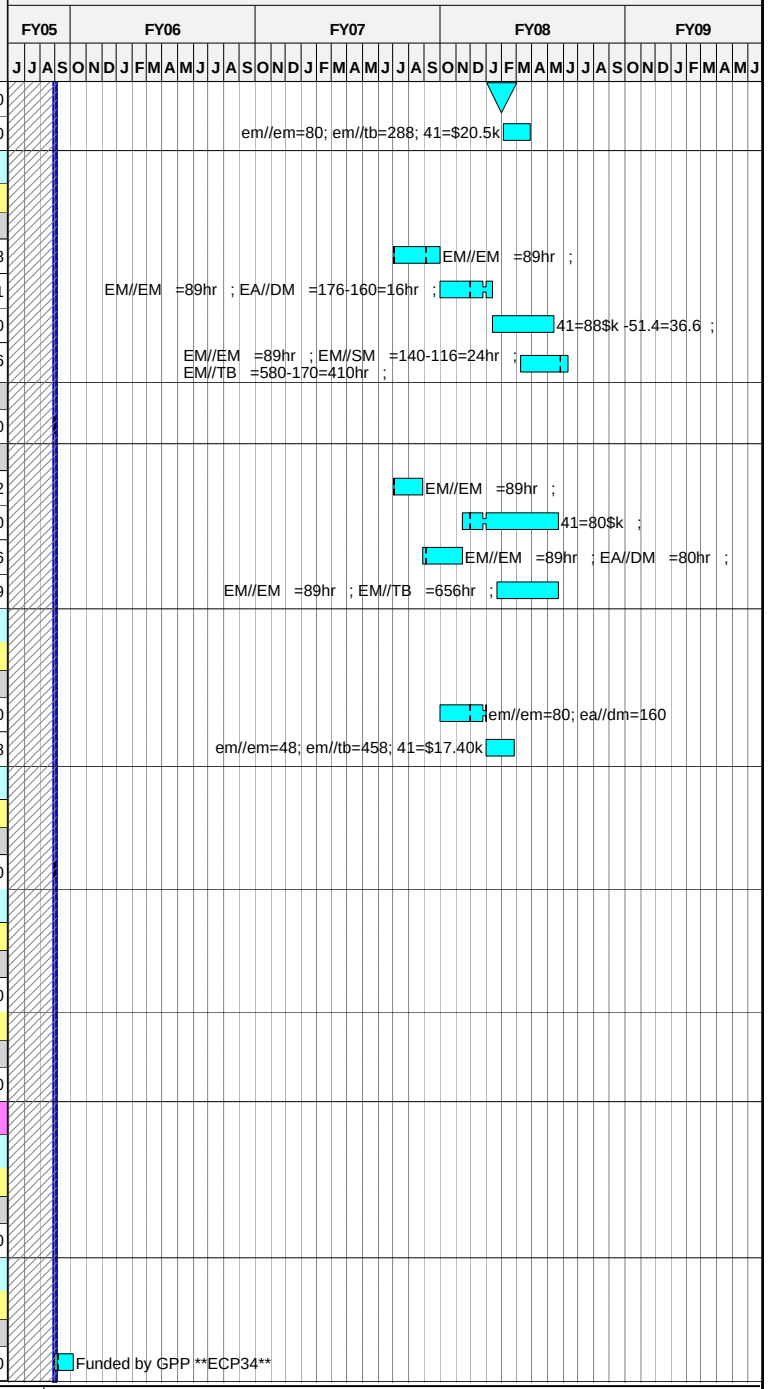
623.013	FDR WBS 612		0	01FEB08	210			0.00	20	0.00
632.021	WBS 612 Assembly/Fabrication/Installation	04FEB08	40	28MAR08	210			0.00	20	69,615.20
62 - Cryogenic Systems										
621 - LN2-LHe Supply System										
631-001	Preliminary Design	02JUL07*	65	02OCT07	252			0.00	20	16,392.38
631-010	Final Design**reduced scope	03OCT07	65	11JAN08	252			0.00	20	18,892.61
631-020	Procurement **reduced scope	14JAN08	88	14MAY08	252			0.00	20	123,340.80
631-015	Fab/Assy/Installation**reduced scope	10MAR08	65	09JUN08	252			0.00	20	74,417.26
622 - LN2 Coil Cooling Supply										
632-001	**deleted scope	01SEP05	0	31AUG05	1,031			0.00	20	0.00
623 - GN2 Cryostat Cooling System										
633-001	Preliminary Design	02JUL07*	40	27AUG07	262			0.00	20	16,374.22
633-020	Procurement	14NOV07	130	23MAY08	262			0.00	20	112,569.60
633-010	Final Design	28AUG07	55	13NOV07	262			0.00	20	26,218.96
633-015	Fab/Assy/Installation	23JAN08	88	23MAY08	262			0.00	20	75,053.09
63 - Utility Systems										
640.011	Design GN2, Air & Vent Systems	01OCT07*	59	01JAN08	251			0.00	20	34,532.00
640.021	Assembly/Fabrication	02JAN08	40	26FEB08	251			0.00	20	74,767.58
64 - PFC/VV Heating & Cooling*ELIMINATED*										
650.001	Eliminated scope	01SEP05	0	31AUG05	1,031			0.00	20	0.00
65 - Facility Systems Integration										
Job: 6163 - Facility Systems Support FY04										
65-03	LOE WBS 6	01OCT03A	250*	30SEP04A			LOE	15,000.00	20	15,000.00
Job: 6501 - Facility Systems Integration-DUDEK										
Prior Costs										
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	0	30SEP03A			100	9,380.00	0	9,380.00
7 - Test Cell Preparation and Machine Assy										
71 - Shield Wall Seismic Modifications										
Job: 7101 - Shield Wall Modif Design-PERRY										
Prior Costs										
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A			100	32,150.00	0	32,150.00
72 - Control Room Refurbishment										
Job: 7201 - Control Room Walls&Floors-PERRY										
710.001	Install Wall east side control room	01SEP05*	24	05OCT05	989			0.00	10	0.00



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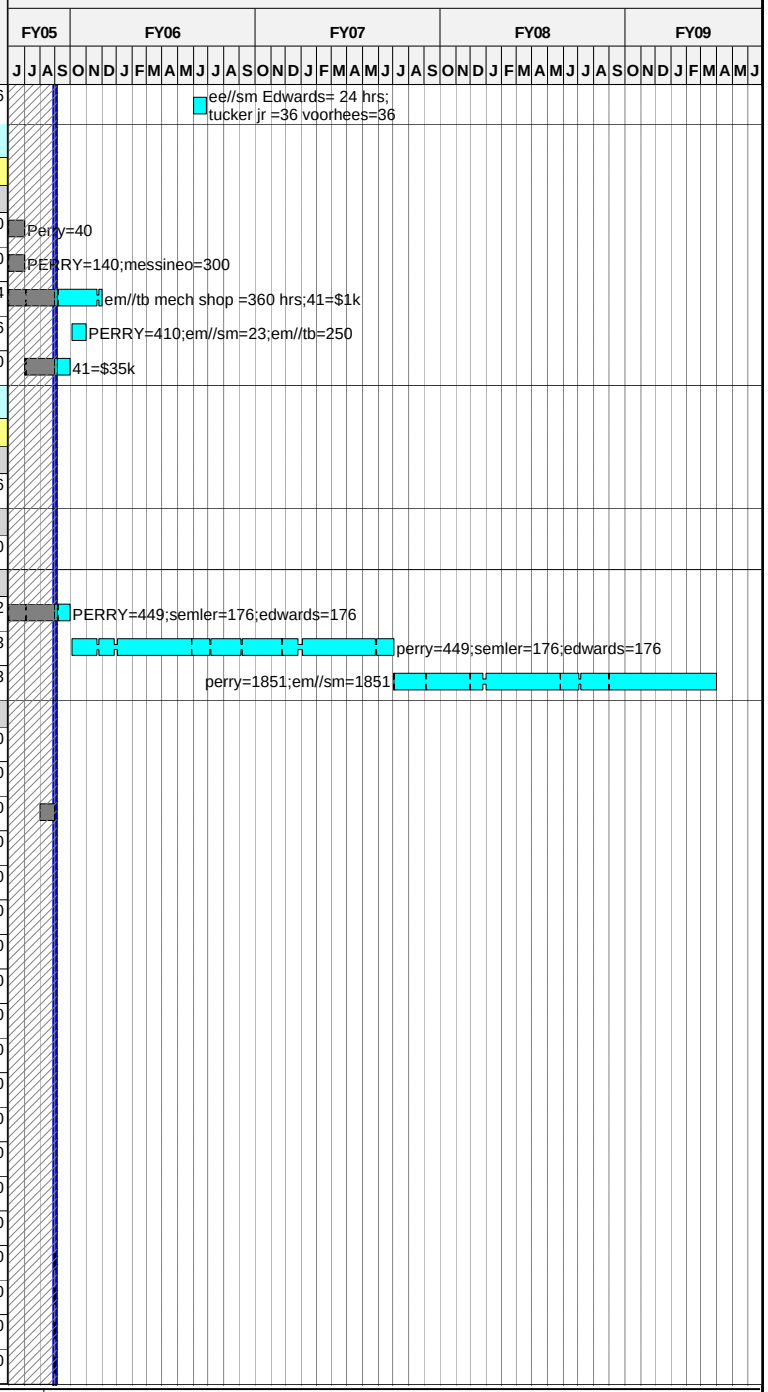
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
711B.050	Complete Control Room Flooring	01JUN06*	18	26JUN06	828			0.00	10	8,962.56
73 - Platform Design & Fabrication										
Job: 7301 - Platform Design & Fab-PERRY										
712.008	Update Platform Specification	01JUN05A	0*	30JUN05A			100	6,416.80	24	6,416.80
712.010	Final Design	02MAY05A	43*	30JUN05A			100	53,163.80	6	53,163.80
711A.040	Platform nut plates	01APR05A	171*	02DEC05	967		90	26,077.09	6	28,974.54
712.020	Platform Parts	03OCT05*	22	01NOV05	993			0.00	10	25,390.76
712.030	Miscs Hardware/Material	01JUL05A	65*	30SEP05	665		0	0.00	10	44,835.00
74 - Machine Assembly Planning and Oversight										
Job: 7401 - TC Prep & Mach Assy Planning-PERRY										
Oversight and Supervision										
711A.020	LOE FY04	01OCT03A	256*	30SEP04A			LOE	148,582.46	15	148,582.46
Prior Costs										
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A			100	164,000.00	15	164,000.00
Project Scope										
714.010	LOE FY05	01OCT04A	249*	30SEP05	1,010		LOE	100,734.73	15	109,972.42
714.020	LOE FY06 prior to assy starting	03OCT05*	436*	02JUL07	574			0.00	15	124,295.03
714.030	LOE FY07 thru first plasma	02JUL07*	444*	31MAR09	131			0.00	15	865,203.33
FED/Infrastructure Support (non Project cost)										
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	01SEP05	0	31AUG05	1,031			0.00		0.00
GPP006.1	GPP-Test Cell HVAC/dew point control InstallTBD	01SEP05*	0	31AUG05	1,031			0.00		0.00
GPP007	GPP-C-Site elevators Design	01SEP05*	0	31AUG05	1,031			0.00		0.00
GPP007.1	GPP-C-Site elevators Install	01SEP05	0	31AUG05	1,031			0.00		0.00



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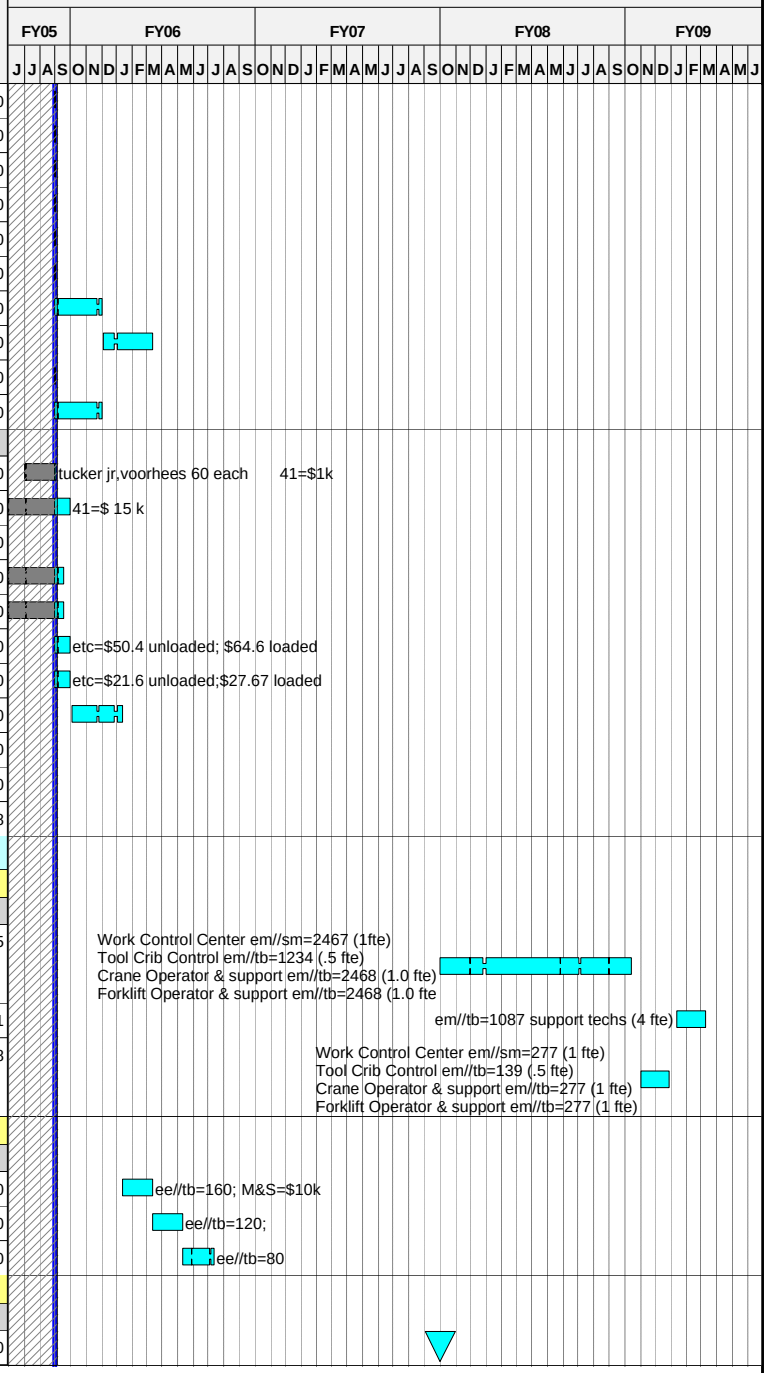
GPP008	GPP-Fire suppression high bay design*TBD*	01SEP05	0	31AUG05	1,031			0.00		0.00
GPP008.1	GPP-Fire suppression high bay install*TBD*	01SEP05	0	31AUG05	1,031			0.00		0.00
GPP009	Control Room Lights & Outlets design*TBD*	01SEP05	0	31AUG05	967			0.00		0.00
GPP009.1	Control Room Lights & Outlets install*TBD*	01SEP05	0	31AUG05	967			0.00		0.00
GPP010	Control Room HVAC Design **TBD**	01SEP05	0	31AUG05	967			0.00		0.00
GPP010.1	Control Room HVAC Install **TBD**	01SEP05	0	31AUG05	967			0.00		0.00
GPP011	Control Room Ceiling Design	01SEP05*	64	02DEC05	903			0.00		0.00
GPP011.1	Control Room Ceiling Install	05DEC05	64	10MAR06	903			0.00		0.00
GPP012	Control Rm Fire Detection & Suppression Design	01SEP05*	0	31AUG05	903			0.00		0.00
GPP012.1	Control RmFire Detection & Suppression Install	01SEP05	64	02DEC05	903			0.00		0.00
Test Cell Modifications & Upgrades										
613.030	Test Cell copper ground plane cuts	01JUL05A	44*	01SEP05	1,036		30	3,067.02	24	10,223.40
713.010	General procurements	02APR05A	128*	30SEP05	1,015		LOE	15,910.02	24	19,215.00
7502-000	Outlet Design	02FEB04A	107*	30JUN04A			100	25,272.00	24	25,272.00
7502-001	Test Cell 110v outlets	01APR05A	118*	16SEP05	1,020		50	8,401.60	24	16,803.20
7502-002	Test Cell 208v outlets	01APR05A	118*	16SEP05	1,020		50	4,200.80	24	8,401.60
7502-003	Install 480v power in test cell	01SEP05*	21*	30SEP05	1,010			0.00	24	0.00
7502-004	Install 120v panels in test cell	01SEP05*	21*	30SEP05	1,010			0.00	24	0.00
7502-010	Ready Rooms (under control room) 110v outlets	03OCT05*	65	11JAN06	819			0.00	24	9,417.60
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0*	31OCT03A			100	9,937.20	24	9,937.20
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A			100	16,848.00	24	16,848.00
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0*	30JAN04A			100	37,608.48	24	37,608.48
75 - Test Cell and Basement Assembly Operations										
7501 - Construction Support Crew										
7501-05	Construction Support Crew during machine assy	01OCT07*	260	13OCT08	164			0.00	24	855,212.25
7501-06	Construction Support Crew during e-beam mapping	12JAN09*	41	09MAR09	147			0.00	24	99,710.51
7501-07	Construction Support Crew during cryostat instl	03NOV08*	40	26DEC08	198			0.00	24	99,420.88
7502 - Test Cell Facility Preparations										
7502-020	Resurface TC floor	12JAN06*	42	10MAR06	819			0.00	24	33,625.20
7502-030	TC Floor firesealing	13MAR06	42	09MAY06	819			0.00	24	14,126.40
7502-035	Control room firesealing	10MAY06	42	10JUL06	819			0.00	24	9,417.60
7503 - Machine Assembly										
Revised Assembly Logic (ecp18)										
7503-010	Begin Assembly Activities	01OCT07*	0		164			0.00	24	0.00



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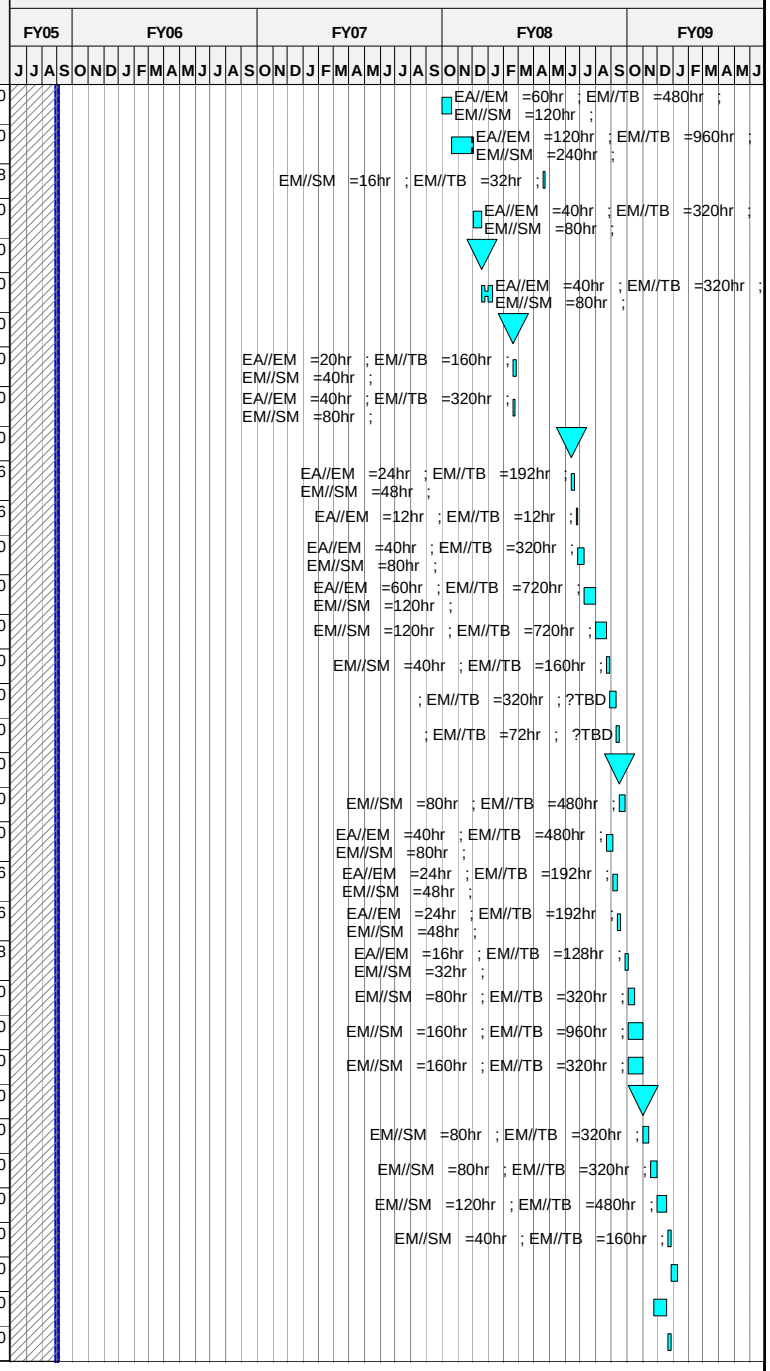
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
7503-020	Install & Level Support Base Plates	01OCT07	15	19OCT07	225			0.00	24	69,152.40
7503-030	Install/Level FPA's and Spool Piece supports	22OCT07	30	04DEC07	225			0.00	24	138,304.80
7503-060	Install Lower PF 4,5&6 into prelim position	18APR08	2	21APR08	148			0.00	24	4,830.08
7503-070	Install 3 Spool Pieces on fixt & test movement	05DEC07	10	18DEC07	225			0.00	24	46,101.60
7503-080	FPA-1 Installed on support platform		0	18DEC07	225			0.00	24	0.00
7503-090	Install local Platforms around FPA-1	19DEC07	10	10JAN08	226			0.00	24	46,101.60
7503-110	FPA-2 Installed on support platform		0	18FEB08	188			0.00	24	0.00
7503-120	Test movement of FPA-1& -2 & position checks.	19FEB08	5	25FEB08	188			0.00	24	23,050.80
7503-130	Install local Platforms around FPA-2	19FEB08	3	21FEB08	196			0.00	24	46,101.60
7503-150	FPA-3 Installed on support platform		0	12JUN08	110			0.00	24	0.00
7503-160	Position all FPA's / Spool Pieces @ MC Interface	13JUN08	6	20JUN08	110			0.00	24	27,660.96
7503-170	FPA Metrology Checks to Assure Alignment	23JUN08	3	25JUN08	110			0.00	24	3,397.56
7503-190	Install local Platforms around FPA-3	26JUN08	10	09JUL08	110			0.00	24	46,101.60
7503-180	MC Interfaces: shim, ream holes ,bolt together	10JUL08	15	30JUL08	110			0.00	24	90,404.40
7503-200	Mate-up and weld all VV-to-Spool interfaces	31JUL08	15	20AUG08	110			0.00	24	78,729.60
7503-240	Bolt on preassembled pump duct	21AUG08	5	27AUG08	110			0.00	24	19,159.20
7503-240.1	Install insulation boots	28AUG08	10	10SEP08	110			0.00	24	28,336.00
7503-240.2	Install insulation	11SEP08	3	15SEP08	110			0.00	24	6,375.60
7503-250	Begin Vac Vsl Pumpdown	16SEP08	0		110			0.00	24	0.00
7503-260	PTP Pumpdown & leak check VV	16SEP08	10	29SEP08	110			0.00	24	52,486.40
7503-210	Fit-up all TF coils	21AUG08	10	03SEP08	116			0.00	24	60,269.60
7503-270	Raise lower PF 4,5&6 coils into final position	04SEP08	6	11SEP08	116			0.00	24	27,660.96
7503-280	Install Upper PF 4,5 & 6 coils	12SEP08	6	19SEP08	116			0.00	24	27,660.96
7503-290	Install PF Solenoid into position (U/L PF1,2,3)	30SEP08	4	03OCT08	110			0.00	24	18,937.68
7503-310	Complete LN2 connections	06OCT08	10	17OCT08	120			0.00	24	39,695.20
7503-320	Complete Elect Pwr connections	06OCT08	20	31OCT08	110			0.00	24	108,744.00
7503-321	Complete mag diag & machine I&C	06OCT08	20	31OCT08	110			0.00	24	50,036.80
7503-330	Begin Cryostat Installation	03NOV08	0		110			0.00	24	0.00
7503-340	Install Cryostat Base, vapor barrie& port boots	03NOV08	10	14NOV08	110			0.00	24	39,695.20
7503-350	Install Cryostat upper section,VB and port boots	17NOV08	10	28NOV08	110			0.00	24	39,695.20
7503-360	Install Midplane Cryostat sections and port boot	01DEC08	15	19DEC08	110			0.00	24	59,542.80
7503-370	Install Cryostat Circulation Duct	22DEC08	5	26DEC08	110			0.00	24	19,847.60
730.8200Z	PTP and Cooldown (dup of 730.8200)	29DEC08	10	09JAN09	188			0.00	30	0.00
730.1248	ACC Review	24NOV08	20	19DEC08	110			0.00	30	0.00
730.1249	PSO Operational Readiness Assessment	22DEC08	5	26DEC08	110			0.00	30	0.00



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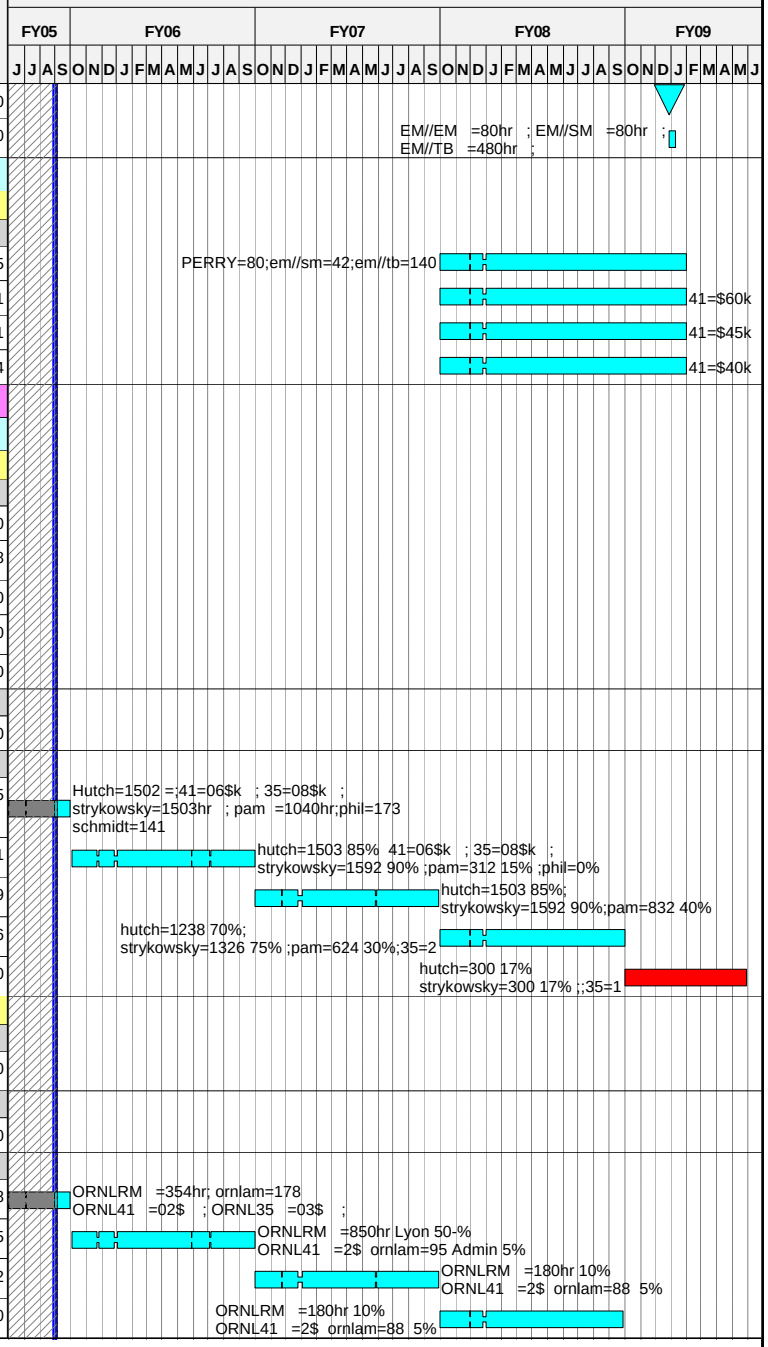
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
730.1250	PSO Operational Readiness Assessment		0	26DEC08	110			0.00	24	0.00
730.8200	PTP and Cooldown	29DEC08	10	09JAN09	110			0.00	30	70,169.60
76 - Tooling Design & Fabrication										
Job: 7601 - Tooling Design & Fabrication										
713.020	Lab Fab/Assy/Installation	01OCT07*	341*	30JAN09	173			0.00	24	33,191.75
713.030	Tooling,assy fixtures,misc equipt	01OCT07*	341*	30JAN09	173			0.00	24	84,851.61
713.040	General procurements	01OCT07*	341*	30JAN09	173			0.00	24	63,638.71
713.050	Welding tools, materials & equipt	01OCT07*	341*	30JAN09	173			0.00	24	56,567.74
8 - Project Oversight and Support										
81 - Project Management and Control										
Job: 8101 - Project Management & Control-NEILSON										
FY04 Actual Cost										
M-0110	CD-2		0	03FEB04A				0.00		0.00
810.009	PDR Support	01OCT03A	3*	31OCT03A			100	41,163.08	17	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	17	685,961.70
810.002E	Project Management Office PPPL FY04 ECP24	01OCT03A	256*	30SEP04A			LOE	146,000.00	17	146,000.00
Prior Costs										
810.001	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	387,340.00	0	387,340.00
810.003	Project Management Office PPPL FY05	01OCT04A	251*	30SEP05	1,015		LOE	637,225.85	10	696,116.95
810.004	Project Management Office PPPL FY06	03OCT05*	250*	29SEP06	765			0.00	10	653,552.61
810.005	Project Management OfficePPPL FY07	02OCT06*	251*	28SEP07	514			0.00	10	682,074.19
810.900	Project Management Office PPPL FY08	01OCT07*	253*	30SEP08	261			0.00	10	576,229.66
810.909	Project Management Office PPPL FY09	01OCT08*	173*	29MAY09	88			0.00	10	133,511.00
Job: 8102 - NCSX MIE Management ORNL-LYON										
FY04 Actual Cost										
810.102	Project Management Office ORNL FY04	01OCT03A	256*	30SEP04A			LOE	88,000.00	17	88,000.00
Prior Costs										
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A			100	58,600.00	0	58,600.00
810.103	Project Management Office ORNL FY05	01OCT04A	251*	30SEP05	1,015		LOE	86,976.51	10	95,368.98
810.104	Project Management Office ORNL FY06	03OCT05*	250*	29SEP06	514			0.00	10	173,610.65
810.104X	Project Management Office ORNL FY07	02OCT06	251*	28SEP07	514			0.00	10	50,514.32
810.105X	Project Management Office ORNL FY08	02OCT07*	251*	29SEP08	262			0.00	10	36,664.00



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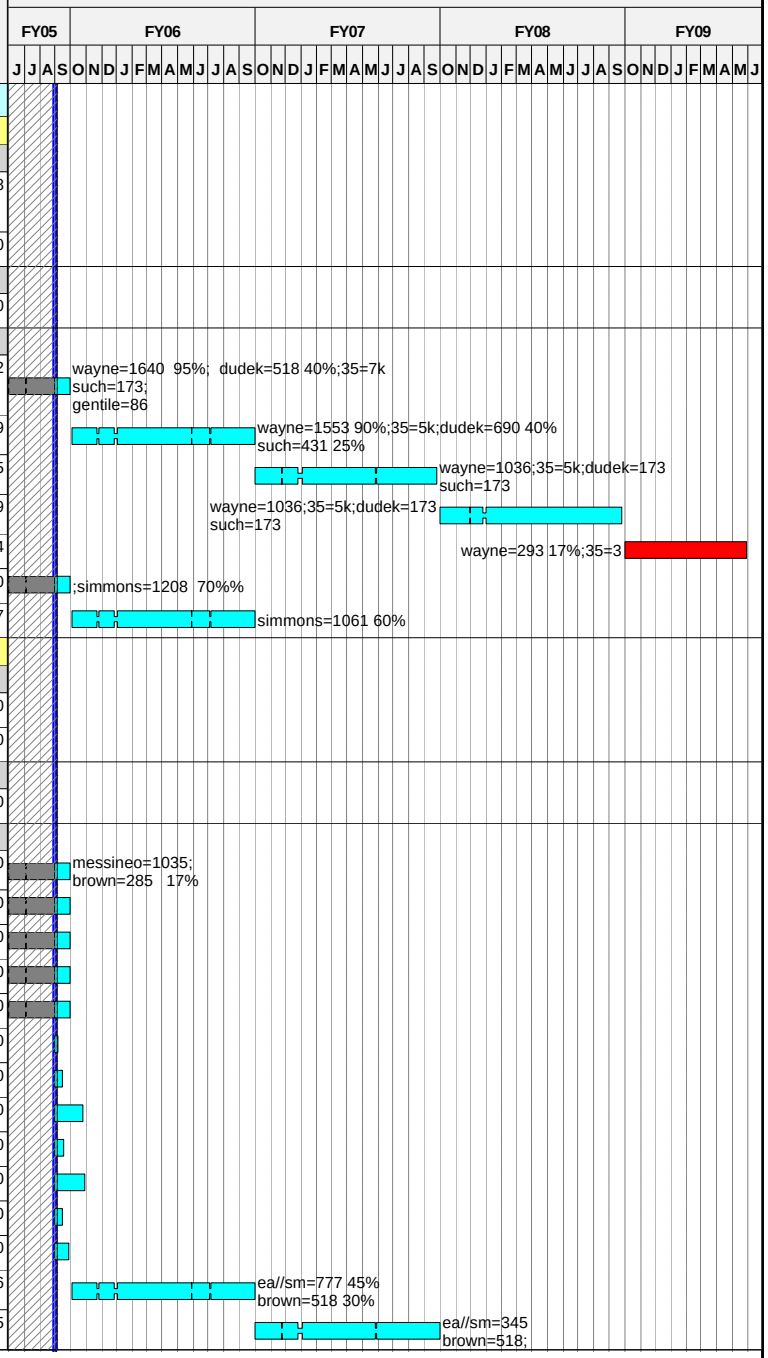
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
82 - Project Engineering										
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN										
FY04 Actual Cost										
820.002	LOE FY04	01OCT03A	256*	30SEP04A			LOE	601,555.68	17	601,555.68
8202-ECP16	ecp16	01OCT03A	256*	30SEP04A			LOE	68,000.00	17	68,000.00
Prior Costs										
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	295,530.00	0	295,530.00
820.003	Proj engr FY05	01OCT04A	251*	30SEP05	1,015		LOE	432,527.49	10	469,631.02
820.004	Proj engr FY06	03OCT05*	250*	29SEP06	765			0.00	10	461,918.39
820.04X	Proj engr FY07	02OCT06*	248*	25SEP07	517			0.00	10	251,952.55
820.004Z	Proj engr FY08	02OCT07*	249*	25SEP08	264			0.00	10	260,851.29
820.005	Proj engr FY09	01OCT08*	173*	29MAY09	88			0.00	10	64,702.94
8205FY05	System Engr Support FY05	01OCT04A	251*	30SEP05	1,015		LOE	182,055.26	10	199,622.00
8205FY06	Systems Engineering Support FY06	03OCT05*	250*	29SEP06	765			0.00	10	194,767.77
Job: 8203 - Design Integration-BROWN										
FY04 Actual Cost										
820.200	LOE FY04	01OCT03A	256*	30SEP04A			LOE	247,570.20	17	247,570.20
8203-ECP16	ecp16	01OCT03A	256*	30SEP04A			LOE	125,000.00	17	125,000.00
Prior Costs										
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	178,750.00	0	178,750.00
8203FY05	Design Integration FY05 LOE	01OCT04A	251*	30SEP05	1,015			157,561.99	10	171,028.50
8203-01	General Design Integration	01OCT04A	251*	30SEP05	1,015		LOE	0.00	10	0.00
8203-02	Suprt interface aux sys dev&coolant/lead routing	01OCT04A	251*	30SEP05	1,015		LOE	0.00	10	0.00
8203-03	Develop /maintain Pro/E model of NCSX facility	01OCT04A	251*	30SEP05	1,015		LOE	0.00	10	0.00
8203-04	Support metrology efforts	01OCT04A	251*	30SEP05	1,015		LOE	0.00	10	0.00
8203-06	Complt rvw of machine assembly approach	01SEP05*	4	06SEP05	1,033			0.00	10	0.00
8203-07	Rvw cryostat & conventional magnet sys design	01SEP05*	9	13SEP05	1,028			0.00	10	0.00
8203-08	tollerance reqmnts for MCsuprt install fixt dwgs	01SEP05*	39	25OCT05	998			0.00	10	0.00
8203-09	Machine suprt dsn f/compatibility with assy reqt	01SEP05*	12	16SEP05	1,025			0.00	10	0.00
8203-10	Dynamic simul MC half period install fixt w/ Pro	01SEP05*	42	28OCT05	995			0.00	10	0.00
8203-11	Document NCSX Interlink& dwg control process	01SEP05*	11	15SEP05	1,026			0.00	10	0.00
8203-12	Update definition VV spool piece assy simul	01SEP05*	19	27SEP05	1,018			0.00	10	0.00
8203FY06	Design Integration FY06	03OCT05*	250*	29SEP06	765			0.00	10	183,434.16
8203FY07	Design Integration FY07	02OCT06*	252*	01OCT07	513			0.00	10	137,444.25



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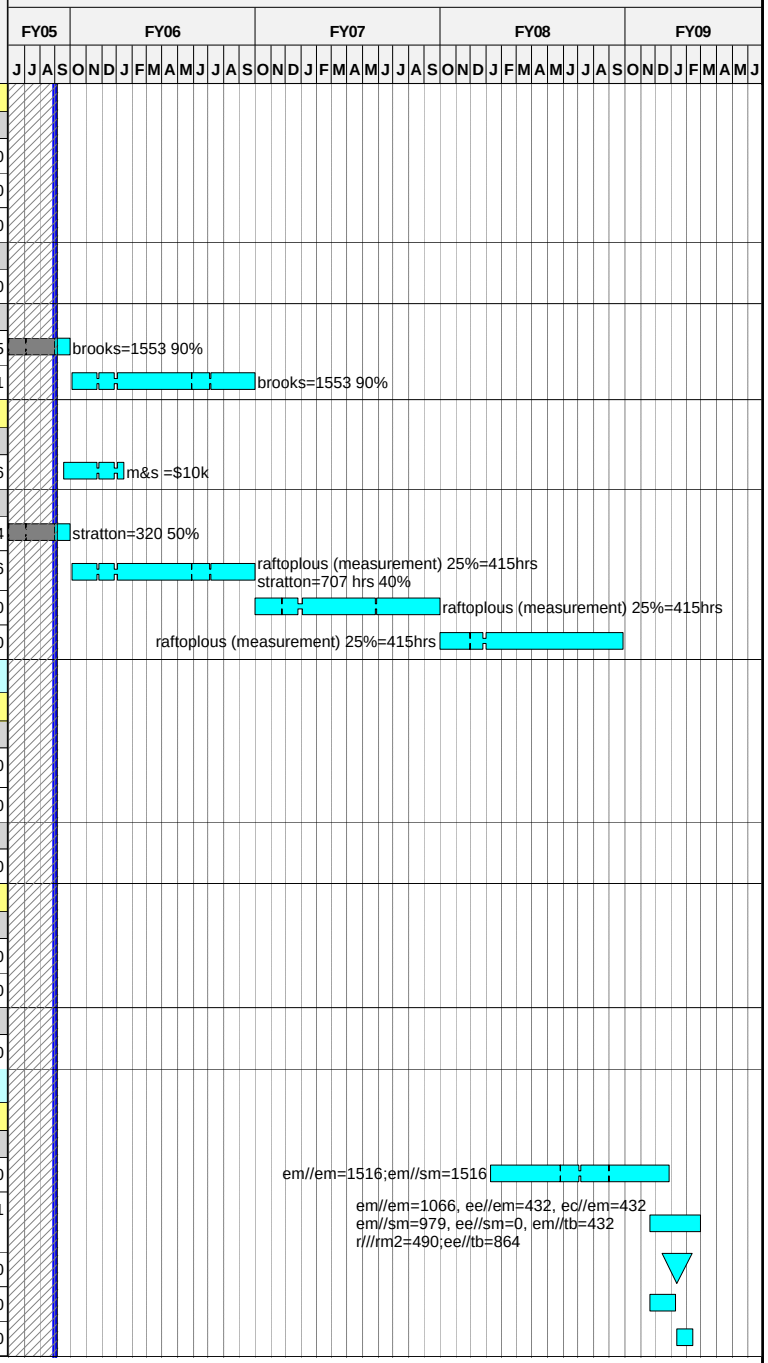
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
Job: 8204 - Systems Analysis-BROOKS										
FY04 Actual Cost										
820.174	LOE FY04	01OCT03A	172*	30SEP04A			LOE	133,179.00	17	133,179.00
8204.01	Assess magnetic material in test cell	02FEB04A	85*	28MAY04A			100	37,080.00	32	37,080.00
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A			100	18,540.00	32	18,540.00
Prior Costs										
820.173	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	44,620.00	0	44,620.00
8204FY05	Systems Analysis FY05	01OCT04A	251*	30SEP05	1,015		LOE	234,049.52	10	256,633.25
8204FY06	Systems Analysis FY06	03OCT05*	250*	29SEP06	765			0.00	10	285,084.21
Job: 8205 - Dimensional Control Coordination										
Metrology										
740.135	Gary Puhl subcontract for metrology support	19SEP05	77	13JAN06	943			0.00	24	14,532.86
METFY05	Dimensional control FY05 ECP24	01FEB05A	172*	30SEP05	1,015		LOE	84,277.79	25	96,648.84
METFY06R	Metrology for FP & machine assy FY06	03OCT05*	250*	29SEP06	765			0.00	25	196,604.86
METFY07R	Metrology for FP & machine assy FY07	03OCT06*	251*	01OCT07	513			0.00	25	78,268.30
METFY08R	Metrology for FP & machine assy FY08	03OCT07*	250*	29SEP08	262			0.00	25	80,750.70
84 - Project Physics										
Job: 8401 - Project Physcis-ZARNSTORFF										
FY04 Actual Cost										
840.202	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A			LOE	99,806.20	3	99,806.20
840.203	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A			LOE	14,000.00	3	14,000.00
Prior Costs										
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	210,270.00	0	210,270.00
Job: 8402 - Project Physics MIE ORNL-LYON										
FY04 Actual Cost										
840.302	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A			LOE	60,876.00	3	60,876.00
840.303	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A			LOE	44,000.00	3	44,000.00
Prior Costs										
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A			100	40,980.00	0	40,980.00
85 - Integrated Systems Testing										
920.001	Procedure and Document Preparation	09JAN08*	250	26DEC08	110			0.00	20	482,467.30
920.000	Startup Personnel	20NOV08	72	27FEB09	110			0.00	30	706,501.81
920.004	Begin Start-up Testing	12JAN09	0		110			0.00	30	0.00
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	20NOV08	37	09JAN09	110			0.00	30	0.00
920.010	Field Coil Testsing,FCPC test & E-Beam Mapping	12JAN09	25	13FEB09	110			0.00	30	0.00



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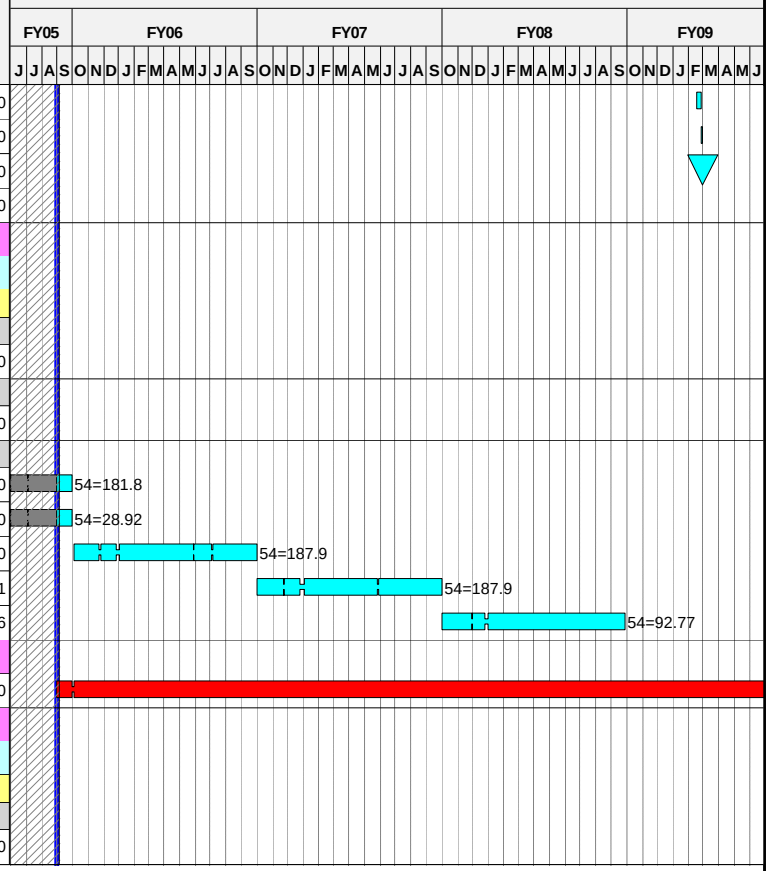
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float in days (21 days= 1 mo.)	Shifts	PCTC	Earned value cost (BCWP)	CCXX	Revised Budget
920.020	Final ISTP	16FEB09	7	24FEB09	110			0.00	30	0.00
920.021	Operations Approval	25FEB09	3	27FEB09	110			0.00	30	0.00
730.9000	First Plasma		0	27FEB09	110			0.00	24	0.00
M-0120	CD-4 First Plasma		0	31JUL09*	0			0.00		0.00
Allocations										
PPPL Allocations										
Job: 8998 - Allocations										
FY04 Actual Cost										
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A			LOE	260,691.00	10	260,691.00
Prior Costs										
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			100	112,000.00	0	112,000.00
99.05	PPPL Allocations FY05	01OCT04A	251*	30SEP05	1,015		LOE	276,059.66	10	302,697.00
99.05P	PPPL Allocations FY05 rebaeline re-estimate	01OCT04A	251*	30SEP05	1,015		LOE	43,914.44	10	48,151.80
99.06	PPPL Allocations FY06	03OCT05*	250*	29SEP06	765			0.00	10	340,474.80
99.07	PPPL Allocations FY07	02OCT06*	252*	01OCT07	513			0.00	10	341,437.41
99.08	PPPL Allocations FY08	01OCT07*	252*	29SEP08	262			0.00	10	171,438.96
+ Contingency										
		01SEP05	1,037	30SEP09	0			0.00		1,957,424.80
DCMA										
DCMA										
DCMAFY04	DCMA	01OCT03A	256*	30SEP04A				75,000.00		75,000.00



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