

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year						
									FY05	FY06	FY07	FY08	FY09	FY10	
cc 9450 - NCSX Fabrication (MIE)															
1 - Stellarator Core Systems															
11 - In-Vessel Components															
111 - Limiters															
Job: 1101 - Limiter Adv Conc/Prel Dsn-GORANSON															
0000															
1101-100	Update Conceptual Design	15JUL03A	78	30SEP03A		100	60.00	60.00							
12 - Vacuum Vessel Systems															
121 - Vacuum Vessel Assembly															
Job: 1201 - Vacuum Vessel Prelim Dsn-GORANSON															
0000															
1201-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A		100	319,050.00	319,050.00							
1201-003	Apr-MSept MIE Cost PPPL	01APR03A	47	30SEP03A		100	105,370.00	105,370.00							
1201-500	WBS 12 & 14 PDR		0	07OCT03A		100	0.00	0.00							
Job: 1202 - Vacuum Vessel R&D - DUDEK															
Vessel Weld Joint R&D															
1203-405	Field Weld joint design and Specific spool piece	01DEC03A	107	30APR04A		100	28,000.00	28,000.00							
1202-800	Inconnel Procurement *ECP6*	01APR04A	10	09APR04A		100	1,783.60	1,783.60							
1202-803	Drawings for Arc/Samples *ECP6*	12APR04A	10	16APR04A		100	3,208.40	3,208.40							
1202-806	Waterjet Arcs *ECP6*	19APR04A	2	22APR04A		100	1,192.32	1,192.32							
1202-809	Machine weld groove *ECP6*	23APR04A	5	26APR04A		100	3,369.60	3,369.60							
1202-812	Anneal Samples *ECP6*	27APR04A	2	28APR04A		100	1,684.80	1,684.80							
1202-815	Setup weld test *ECP6*	29APR04A	4	30APR04A		100	1,192.32	1,192.32							
1202-818	Weld samples *ECP6*	03MAY04A	6	10MAY04A		100	2,527.20	2,527.20							
1202-821	Eval & Redesign Joint iteration 2 *ECP6*	01JUN04A	5	07JUN04A		100	3,208.40	3,208.40							
1202-824	Machine iteration 2 *ECP6*	02AUG04A	10	13AUG04A		100	3,369.60	3,369.60							
1202-827	Anneal iteration 2 *ECP6*	16AUG04A	2	17AUG04A		100	1,684.80	1,684.80							
1202-833	Eval & redesign joint iteration 3 *ECP6*	01SEP04A	4	07SEP04A		100	3,208.40	3,208.40							
1202-836	Machine iteration 3 *ECP6*	08SEP04A	4	13SEP04A		100	3,369.60	3,369.60							
1202-839	Anneal iteration 3 *ECP6*	14SEP04A	5	20SEP04A		100	1,684.80	1,684.80							
1202-842	Weld iteration 3 *ECP6*	21SEP04A	4	24SEP04A		100	2,527.20	2,527.20							
1202-845	SOW for full size test sample *ECP6*	24MAR04A	28	28APR04A		100	6,416.80	6,416.80							
1202-866	Engineering Oversight *ECP6*	03MAR04A	149	30SEP04A		100	18,127.46	18,127.46							
0000															
1202-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A		100	60.00	60.00							
1202-003	Apr-Sept MIE Cost PPPL	01APR03A	47	30SEP03A		100	128,340.00	128,340.00							
1202-ECP16	ecp-16	01OCT03A	47	30SEP04A		100	14,600.00	14,600.00							
VV Subcontractor Oversight															
1202-400	Oversight and Contract Management	01OCT03A	79	02JAN04A		LOE	62,457.20	62,457.20							
1202-401	Oversight and Contract Management	05JAN04A	63	31MAR04A		LOE	48,500.66	48,500.66							

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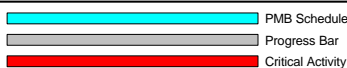
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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
1202-402	Oversight and Contract Management	01APR04A	128	30SEP04A		LOE	18,448.30	18,448.30						
Major Tool Subcontract (S04344F)														
1202-303	MT-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0	13JUN03A		100	18,090.80	18,090.80						
1202-305	MT-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	15	27JUN03A		100	10,599.68	10,599.68						
1202-310	MT-Incorp Comments & Reissue MIT/QA Plan (3.2.1)	10JUL03A	0	17JUL03A		100	0.00	0.00						
1202-315	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52	15AUG03A		100	0.00	0.00						
1202-320	MT-PPPL Fabrication Release		0	15AUG03A		100	0.00	0.00						
1202-324	MT-PVVS Begin Fabrication (3.2.2)	18AUG03A	56	30SEP03A		100	388,595.48	388,595.48						
1202-325	MT-PVVS Complete Fabrication (3.2.2) [A/ 1]	10NOV03A	122	23APR04A		100	375,115.28	375,115.28						
1202-325.1	Major Tool VVSA Prototype Received		0	23APR04A		100	0.00	0.00						
1202-325A	Vist MT for welding	01APR04A	3	01APR04A		100	2,566.72	2,566.72						
1202-326	Prep Inspection Plan for MT PVVS	30APR04A	5	30APR04A		100	0.00	0.00						
1202-327	PPPL Receipt Inspection of MT PVVS	14JUN04A	5	18JUN04A		100	13,643.36	13,643.36						
1202-328	Prep Inspection Report of MT PVVS	01JUL04A	5	08JUL04A		100	0.00	0.00						
1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15	22JUL04A		100	6,370.00	6,370.00						
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15	22JUL04A		100	6,370.00	6,370.00						
1202-335.1	Major Tool VVSA Price Proposal Received		0	22JUL04A		100	0.00	0.00						
Rohwedder Subcontract (S04345F)														
1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0	13JUN03A		100	75,815.74	75,815.74						
1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	76	27JUN03A		100	20,409.48	20,409.48						
1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	10JUL03A	0	17JUL03A		100	0.00	0.00						
1202-415	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52	15AUG03A		100	0.00	0.00						
1202-420	RW-PPPL Fabrication Release		0	15AUG03A		100	0.00	0.00						
1202-424	RW-PVVS Begin Fabrication (3.2.2)	18AUG03A	131	30SEP03A		100	151,109.14	151,109.14						
1202-424A	RW identify fabricator	01DEC03A	1	15DEC03A		100	0.00	0.00						
1202-424B	PPPL approve new fabricator	16DEC03A	1	31DEC03A		100	0.00	0.00						
1202-424D	PPPL visit fabricator (Jan)	01JAN04A	2	30JAN04A		100	0.00	0.00						
1202-424E	PPPL visit fabricator (Feb)	01MAR04A	2	31MAR04A		100	0.00	0.00						
1202-425	RW-PVVS Complete Fabrication (3.2.2)	01OCT03A	170	28MAY04A		100	311,059.84	311,059.84						
1202-425.1	Rohwedder VVSA Prototype Received		0	08JUN04A		100	0.00	0.00						
1202-426	Prep Inspection Plan for RW PVVS	07JUN04A	5	08JUN04A		100	0.00	0.00						
1202-427	PPPL Receipt Inspection of RW PVVS	08JUN04A	10	21JUN04A		100	13,643.36	13,643.36						
1202-428	Prep Inspection Report of RW PVVS	01JUL04A	5	08JUL04A		100	0.00	0.00						
1202-430	RW-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15	22JUL04A		100	23,709.14	23,709.14						
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15	22JUL04A		100	15,122.38	15,122.38						
1202-435.1	Rohwedder VVSA Price Proposal Received		0	22JUL04A		100	0.00	0.00						

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									FY05	FY06	FY07	FY08	FY09	FY10
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON														
Closeout PDR Design Deliverables														
1203-101	Prepare documents for PDR closeout	03NOV03A	62*	30JAN04A		100	7,721.40	7,721.40						
1203-111	Response to chits, prepare FY04 WP/WAF/Checklist	01OCT03A	25	31OCT03A		100	7,721.40	7,721.40						
1203-121	Review, revise, and approve SRD	01NOV03A	212*	31AUG04A		100	7,721.40	7,721.40						
1203-131	Complete preliminary design of insulation and he	10NOV03A	122*	31MAR04A		100	11,582.10	11,582.10						
PDR Recommendations														
1203-400	350c Bakeout Study	03NOV03A	94*	31DEC03A		100	25,738.00	25,738.00						
1203-401	Analysis & testing of tube attachment method	01DEC03A	20	31DEC03A		100	0.00	0.00						
1203-402	Determine thermal expansion vv to mcc clearance	01NOV03A	39*	31DEC03A		100	0.00	0.00						
1203-403	Determine cost of fabrication	01DEC03A	20	31DEC03A		100	0.00	0.00						
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT		0	31DEC03A		100	0.00	0.00						
Final Design Tasks														
1203-141	Finalize Spec for VVSA	01MAR04A	87*	30JUN04A		100	17,981.20	17,981.20						
1203-151	Update VVSA Drawings incl ECP6 add'l port config	01DEC03A	149*	30JUN04A		100	202,403.63	202,403.63						
1203-181	Start Thermal Analyses	01NOV03A	82*	30JAN04A		100	22,144.76	22,144.76						
1203-191	Start Eddy Current Analyses	03NOV03A	87*	30JAN04A		100	3,424.45	3,424.45						
1203-202	Start Port Nozzle Analysis	02JAN04A	63*	30JAN04A		100	4,944.00	4,944.00						
1203-233	Check structural analysis	26APR04A	25*	28MAY04A		100	12,638.08	12,638.08						
1203-235	Perform Local Thermal Analysis	02FEB04A	65*	30APR04A		100	15,442.80	15,442.80						
1203-236	Check Local Thermal Analysis	02FEB04A	65*	30APR04A		100	15,442.80	15,442.80						
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		100	10,295.20	10,295.20						
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A		100	12,360.00	12,360.00						
1203-240	Check Analysis of VV Supports	26APR04A	25*	28MAY04A		100	5,147.60	5,147.60						
1203-291	Update Design Basis Document	20APR04A	29*	18MAY04A		100	2,059.04	2,059.04						
1203-321	Assemble FDR Drawing Package, Check & Promote	03MAY04A	20*	18MAY04A		100	4,118.08	4,118.08						
1203-331	Prepare Presentations	03MAY04A	20*	18MAY04A		100	12,869.00	12,869.00						
1203-341	Conduct VVSA FDR		0	19MAY04A		100	0.00	0.00						
1203-234	Perform Global Seismic Analysis	01MAR04A	151*	31AUG04A		100	37,914.24	37,914.24						
1203-261	Startup Plan	01OCT03A	298*	29OCT04A		100	26,136.92	26,136.92						
1203-301	Update Cost and Schedule Estimates	01SEP04A	42*	29OCT04A		100	3,404.28	3,404.28						
1203-311	Prepare Final Design ECP	24MAY04A	10	28MAY04A		100	3,088.56	3,088.56						
1203-161	Finalize & Sign All ICDS	20NOV03A	363*	29APR05		487 95	15,852.22	16,686.55						
1203-201	Update/Perform FMECA Analyses	01MAR04A	284*	15APR05		492 98	5,527.64	5,640.45						
1203-232	Structural Analysis of Vac Vsl	01MAR04A	294*	29APR05		487 98	75,109.25	94,239.96						
1203-239	Perform Analysis of VV Supports	01MAR04A	294*	29APR05		487 95	10,749.05	22,071.98						
1203-241	Check FMECA Analyses	18APR05	5	22APR05		492	0.00	0.00						
1203-900	**Comprehensive WBS 12 FDR w/o insul/htrs**		0	02MAY05*		486	0.00	0.00						
1203-901	**WBS 12 FDR insulation & heaters**		0	01JUL05*		319	0.00	0.00						

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
1203-271	Develop/Confirm & Installation Process	01APR05*	84*	29JUL05	1,060	10	3,100.00	31,000.00						
Vacuum Vessel Vendor Selection														
121-6-6	Finalize tech Doc package & Resolve chits	01JUN04A	0*	30JUN04A		100	1,286.90	1,286.90						
121-6-8	Evaluate and Select VV Production Vendor	01AUG04A	0*	12AUG04A		100	2,891.10	2,891.10						
121-6-83	Negotiate with vendor	17AUG04A	0*	31AUG04A		100	1,604.20	1,604.20						
121-6-85	DOE Approve VV Selection & contract	01SEP04A	11	30SEP04A		100	0.00	0.00						
121-6-9	Award VV Production Vendor (Phase funded)		0	27SEP04A		100	0.00	0.00						
121-36-9.2	Release for Fabrication		0	27SEP04A		100	0.00	0.00						
Job: 1206 - VV Field Weld Joint R&D-DUDEK														
Vessel Weld Joint R&D														
1202-848	Bid_eval,award full size test sample *ECP6*	29APR04A	254*	29APR05	648	LOE	1,471.05	1,604.20						
1202-851	vendor fab & deliver full size sample *ECP6*	02MAY05	120	14OCT05	648		0.00	37,770.37						
1202-854	Instrument sample *ECP6*	17OCT05	11	31OCT05	648		0.00	6,441.90						
1202-857	Perform welds on sample *ECP6*	01NOV05	5	07NOV05	648		0.00	9,417.60						
1202-860	Measure Results *ECP6*	08NOV05	6	15NOV05	648		0.00	4,315.68						
1202-863	Report Results *ECP6*	16NOV05	5	22NOV05	648		0.00	4,315.68						
1206-100	Prep Sample	01NOV04A	125*	29APR05	1,144	50	1,260.24	2,520.48						
1206-110	Weld	01NOV04A	125*	29APR05	1,144	50	298.08	596.16						
1206-115	Analyze	01NOV04A	10	30NOV04A		100	6,610.00	6,610.00						
Job: 1250 - Vacuum Vessel Fabrication-VIOLA														
Start Up/Engineering														
VVSA-001	Process Order	24SEP04A	151*	29APR05	1,144	77	0.00	0.00						
VVSA-011	Sect 5.1 Segmentation Scheme	04NOV04A	5	19NOV04A		100	96,075.00	96,075.00						
VVSA-021	Sect 5.1.2 Fiducials	29NOV04A	88*	04APR05	1,163	98	0.00	0.00						
VVSA-031	Sect 5.1.3 Proc Outline & Asc Procedures	24SEP04A	151*	29APR05	1,144	91	110,722.41	121,672.98						
Dies & Gages														
VVSA-041	Engineering	20SEP04A	91*	31JAN05A		100	0.00	0.00						
VVSA-051	Procure Die Materials (4 sets)	10JAN05A	59*	13MAR05A		100	315,000.00	315,000.00						
121-100	S005243 #1-Die Material Procured		0	31MAR05A			0.00	0.00						
VVSA-061	Machine Complete	01FEB05A	48*	07APR05	453	77	0.00	0.00						
VVSA-071	Deburr	01FEB05A	49*	08APR05	452	70	0.00	0.00						
VVSA-081	Inspection	01FEB05A	53*	14APR05	448	60	204,384.00	340,640.00						
VVSA-091	Development Panels (9 panels)	01APR05*	22*	02MAY05	436	2	0.00	0.00						
121-115	S005243 #4-Dies Manufactured		0	02MAY05	1,143		0.00	0.00						
Fixture (2) 60 degree														
VVA-152	Inspection Second		0	06MAY05*	1,139		0.00	0.00						
VVSA-101	Engineering	25OCT04A	109*	31MAR05A		100	0.00	0.00						
VVSA-111	Procure Materials	01APR05*	1*	01APR05	602	85	0.00	0.00						

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 PMB Schedule
 Progress Bar
 Critical Activity

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VVSA-121	Fab & Machine	01APR05*	12*	18APR05	602	25	0.00	0.00																																																																								
VVSA-131	Assemble	01APR05*	21*	29APR05	1,138	5	0.00	0.00																																																																								
VVSA-141	Deburr	01APR05*	27*	09MAY05	1,138		0.00	0.00																																																																								
VVSA-151	Inspection First	19APR05*	20*	16MAY05	602		0.00	0.00																																																																								
Fixture (3) 120 degree																																																																																
VVSA-161	Engineering	01APR05*	11*	15APR05	1,102	30	0.00	0.00																																																																								
VVSA-171	Procure Materials	01APR05*	31*	13MAY05	1,102		0.00	220,000.00																																																																								
121-110	S005243 #3-Fixture material procured		0	13MAY05	1,134		0.00	0.00																																																																								
VVSA-181	Fab & Machine	01APR05*	60*	23JUN05	1,102		0.00	0.00																																																																								
VVSA-191	Assemble	04MAY05*	59*	25JUL05	1,079		0.00	0.00																																																																								
VVSA-201	Deburr	12MAY05*	63*	08AUG05	1,073		0.00	0.00																																																																								
VVSA-211	Inspection -	04JUL05*	9*	14JUL05	593		0.00	0.00																																																																								
Panels & Ports																																																																																
VVSA-221	Procure Vessel Material	29OCT04A	121*	22APR05	421	85	400,766.50	471,490.00																																																																								
121-105	S005243 #2-Vessel material procured		0	22APR05*	1,149		0.00	0.00																																																																								
VVSA-231	Production Panels Period #1	25APR05	21*	23MAY05	421		0.00	260,000.00																																																																								
121-120	S005243 #5-1/3 of Vessel plates formed		0	23MAY05*	1,128		0.00	0.00																																																																								
VVSA-241	Production Panels Period #2	25APR05*	45*	24JUN05	479		0.00	240,000.00																																																																								
121-125	S005243 #6-Second 1/3 of vsl plates formed		0	24JUN05*	1,104		0.00	0.00																																																																								
VVSA-251	Production Panels Period #3	17MAY05*	36*	05JUL05	566		0.00	240,000.00																																																																								
121-130	S005243 #7-Last 1/3 of vsl plates formed		0	05JUL05*	1,097		0.00	0.00																																																																								
VVSA-261	Port Ext, Misc HW Period #1	11APR05*	67*	12JUL05	437		0.00	0.00																																																																								
VVSA-271	Port Ext, Misc HW Period #2	30MAY05*	57*	16AUG05	506		0.00	0.00																																																																								
VVSA-281	Port Ext, Misc HW Period #3	27JUN05*	57*	13SEP05	583		0.00	0.00																																																																								
VVSA-291	Spacer & port Ext	03JUN05*	77*	19SEP05	632		0.00	0.00																																																																								
First 120 deg segment																																																																																
VVSA-301	1st 60 deg segment	10MAY05*	25*	13JUN05	410		0.00	0.00																																																																								
VVSA-311	2nd 60 deg segment	14JUN05	20*	11JUL05	410		0.00	0.00																																																																								
VVSA-321	Join two pieces	12JUL05	16*	02AUG05	410		0.00	400,000.00																																																																								
121-135	S005243 #8-One VVSA fabricated		0	02AUG05*	1,077		0.00	0.00																																																																								
VVSA-331	Machine for Ports	03AUG05	12*	18AUG05	410		0.00	0.00																																																																								
VVSA-341	Weld Ports	23AUG05*	19*	16SEP05	408		0.00	0.00																																																																								
VVSA-351	Final Machine (not required)	19SEP05	14	06OCT05	408		0.00	0.00																																																																								
VVSA-361	Vacuum Test	07OCT05	12*	24OCT05	408		0.00	0.00																																																																								
VVSA-371	Cut Off Ports	25OCT05	9*	04NOV05	408		0.00	0.00																																																																								
VVSA-381	Pack for Shipping L#4	07NOV05	5*	11NOV05	408		0.00	0.00																																																																								
VVSA-391	Receive at PPPL	14NOV05	3	16NOV05	408		0.00	375,560.00																																																																								
121-150	S005243 #11-Receipt/Acceptance of 1st VVSA		0	16NOV05*	1,001		0.00	0.00																																																																								

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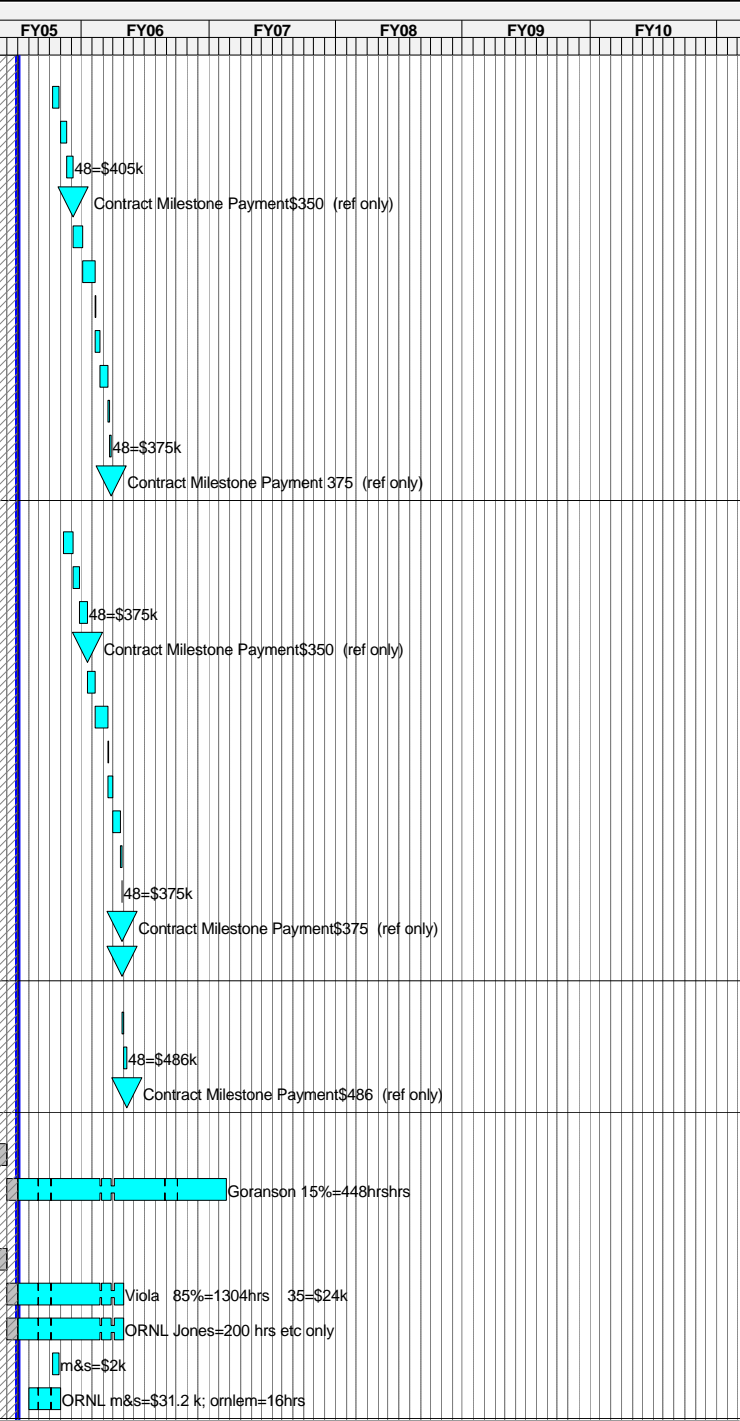


EC31

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY									
									FY05	FY06	FY07	FY08	FY09	FY10				
Second 120 deg segment																		
VVSA-401	60 deg segment	08JUL05*	16	29JUL05	470		0.00	0.00										
VVSA-411	60 deg segment	01AUG05	13	17AUG05	470		0.00	0.00										
VVSA-421	Join two pieces	18AUG05	15	07SEP05	470		0.00	405,000.00										
121-140	S005243 #9-Second VVSA fabricated		0	07SEP05*	1,051		0.00	0.00										
VVSA-431	Machine for Ports	08SEP05	20	05OCT05	470		0.00	0.00										
VVSA-441	Weld Ports	06OCT05	25	09NOV05	470		0.00	0.00										
VVSA-451	Final Machine (not Required)	10NOV05	0	09NOV05	470		0.00	0.00										
VVSA-461	Vacuum Test	10NOV05	10	23NOV05	470		0.00	0.00										
VVSA-471	Cut Off Ports	24NOV05	15	14DEC05	470		0.00	0.00										
VVSA-481	Pack for Shipping LI#4	15DEC05	4	20DEC05	470		0.00	0.00										
VVSA-491	Receive at PPPL	21DEC05	2	22DEC05	470		0.00	375,000.00										
121-155	S005243 #12-Receipt /Acceptance of 2nd VVSA		0	22DEC05*	975		0.00	0.00										
Third 120 deg segment																		
VVSA-501	60 deg segment	10AUG05*	21	07SEP05	541		0.00	0.00										
VVSA-511	60 deg segment	08SEP05	13	26SEP05	541		0.00	0.00										
VVSA-521	Join two pieces	27SEP05	15	17OCT05	541		0.00	375,000.00										
121-145	S005243 #10-Third VVSA fabricated		0	17OCT05	1,023		0.00	0.00										
VVSA-531	Machine for Ports	18OCT05	18	10NOV05	541		0.00	0.00										
VVSA-541	Weld Ports	11NOV05	25	15DEC05	541		0.00	0.00										
VVSA-551	Final Machine (not required)	16DEC05	0	15DEC05	541		0.00	0.00										
VVSA-561	Vacuum Test	16DEC05	10	29DEC05	541		0.00	0.00										
VVSA-571	Cut Off Ports	30DEC05	15	19JAN06	541		0.00	0.00										
VVSA-581	Pack for Shipping LI#4	20JAN06	3	24JAN06	541		0.00	0.00										
VVSA-591	Receive at PPPL	25JAN06	2	26JAN06	541		0.00	375,000.00										
121-160	S005243 #13-Receipt/Acceptance of 3rd VVSA		0	26JAN06*	950		0.00	0.00										
121-038.1	All Vacuum Vessel Sections (3) Delivered		0	26JAN06	541		0.00	0.00										
Ship Tooling																		
VVSA-601	Pack Tooling for PPPL	25JAN06	5	31JAN06	943		0.00	0.00										
VVSA-611	PPPL Receive Tooling	01FEB06	4	06FEB06	943		0.00	486,000.00										
121-165	S005243 #14-Delivefy of tooling,dies,fixtures		0	06FEB06*	943		0.00	0.00										
121-031	VVSA Title III engr	21MAY04A	631	28FEB05A		LOE	27,753.79	27,753.79										
121-034	VVSA Title III engr	01MAR05A	440*	22NOV06	727	LOE	3,826.22	73,581.15										
121-032	VVSA Contract oversight FY04	21MAY04A	386*	30SEP04A		LOE	20,052.50	20,052.50										
121-033	VVSA Contract oversight FY05	01OCT04A	290*	28FEB05A		LOE	75,267.38	75,267.38										
121-035	VVSA Contract oversight FY05 & FY06	01MAR05A	231*	31JAN06	936	LOE	25,900.58	259,005.79										
121-035.1	ORNL fesign support during MTM Contract	01MAR05A	231*	31JAN06	936	LOE	3,193.71	31,937.06										
121-036	Ship vac equipt from PPPL to MTM for vac testing	08JUL05*	15	28JUL05	441		0.00	2,562.00										
121-037	Purchase seals and ship to MTM	02MAY05*	65	02AUG05	438		0.00	33,680.00										



Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year						
									FY05	FY06	FY07	FY08	FY09	FY10	
125 - Vacuum Vessel Local I&C															
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON															
Final Design Tasks															
125-001	Prelim design WBS 125 local I&C	01JAN05A	65	31MAR05A		100	4,030.00	4,030.00							
125-011	Final design WBS 125 local I&C	01MAR05A	44	29APR05	487	10	775.00	7,750.00							
Job:1204-VV Sys Procurements (non VVSA)-GORANSON															
125-015	Title III design Local I&C	05JUL05	61	27SEP05	435		0.00	2,790.00							
125-037	Procurement Local I&C	05JUL05	60	26SEP05	436		0.00	3,074.40							
13 - Conventional Coils															
130 - Conventional Coil Design															
Job: 1301 - TF Design-KALISH															
Preliminary Design															
130-000	TF PDR & FDR Engineering	01NOV04A	77	28FEB05A		100	51,227.50	51,227.50							
1402-004	Subcontract analysis support for PDR	01OCT03A	41	26NOV03A		100	5,096.00	5,096.00							
1402-005	VV/MCC PDR support	01OCT03A	37	31OCT03A		100	4,017.00	4,017.00							
1301-100	Prepare Scope Sheet & define interfaces	03NOV03A	329	28FEB05A		100	1,892.90	1,892.90							
1301-105	Prepare Interface Dwgs for ICD's	01DEC03A	230	29OCT04A		100	2,798.67	2,798.67							
1301-140	Complete Draft SOW	02JAN04A	10	15JAN04A		100	4,635.00	4,635.00							
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	16JAN04A	2	19JAN04A		100	1,236.00	1,236.00							
1301-150	Vendor Responses	02FEB04A	102	30APR04A		100	6,952.50	6,952.50							
1301-155	Trim Coil Layouts	01OCT03A	59	23DEC03A		100	53,611.50	53,611.50							
1301-160	Trim Coil Leads	01DEC03A	140	30JAN04A		100	6,798.00	6,798.00							
1301-165	PF1-PF3 Support System Layouts	01DEC03A	15	30JAN04A		100	20,548.50	20,548.50							
1301-300	Investigate Experimental Data *ECP6*	12APR04A	5	16APR04A		100	618.00	618.00							
1301-303	Prepare Test Reqmnts *ECP6*	19APR04A	61	30JUN04A		100	772.50	772.50							
1301-318	Evaluate 3D glass *ECP6*	05APR04A	5	09APR04A		100	618.00	618.00							
1301-170	New Lead Details	01DEC03A	10	23DEC03A		100	13,596.00	13,596.00							
1301-175.1	Evaluate Design as Cost Savings	01AUG04A	3	31AUG04A		100	0.00	0.00							
1301-175.2	Revised Design Stress Analysis	02AUG04A	5	31AUG04A		100	3,822.00	3,822.00							
1301-175.3	Layout New Wedge Concept	02AUG04A	5	31AUG04A		100	4,944.00	4,944.00							
1301-175.4	Develop Comparison	02AUG04A	4	31AUG04A		100	0.00	0.00							
1301-175.5	Cost Estimate for Wedge Concept	02AUG04A	43	30SEP04A		100	0.00	0.00							
1301-175.6	Review Revised TF Concept	01SEP04A	1	30SEP04A		100	0.00	0.00							
1301-175.7	Complete PDR Drawings	01SEP04A	62	30NOV04A		100	12,928.71	12,928.71							
1301-175.8	Rerun Analysis	01SEP04A	42	29OCT04A		100	6,370.00	6,370.00							
1301-180	Update ANSYS model & structure	03NOV03A	142	27FEB04A		100	8,263.62	8,263.62							
1301-185	FEA Analysis Coils,Stress deflection	01DEC03A	123	28MAY04A		100	12,229.00	12,229.00							
1301-195	Seismic Analysis	26NOV03A	104	30APR04A		100	12,229.00	12,229.00							
1301-190	FEA Analysis PF Supports,Stress Deflection	01MAR04A	108	30JUN04A		100	9,783.20	9,783.20							

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year						
									FY05	FY06	FY07	FY08	FY09	FY10	
1301FD-12	Turn to Turn and Ground Wrap 2nd Sample	01MAR05A	7	31MAR05A		100	8,346.24	8,346.24							
1301FD-13	Impregnate and Complete Sample 2nd Sample	01MAR05A	3	31MAR05A		100	3,576.96	3,576.96							
1301FD-14	Update Analysis for Front Puller	01MAR05A	3	31MAR05A		100	3,843.00	3,843.00							
1301FD-15	Lead Transition Stress Analysis	01MAR05A	34	15APR05	426	80	4,099.20	5,124.00							
1301FD-16	Honeycomb Insulation Stress Analysis	01MAR05A	4	31MAR05A		100	5,124.00	5,124.00							
1301FD-17	Resolve Tolerance Issues	01MAR05A	28	07APR05	1,123	75	4,957.50	6,610.00							
1301FD-18	Electrical Test 2nd Sample	01MAR05A	1	31MAR05A		100	0.00	0.00							
1301FD-19	Ship 2nd Sample	01MAR05A	5	31MAR05A		100	0.00	0.00							
1301FD-20	Test 1st Sample	01MAR05A	39	22APR05	417	10	2,116.20	21,162.00							
1301FD-21	Test 2nd Sample	25APR05	3	27APR05	417		0.00	21,162.00							
1301FD-22	Evaluate Results	28APR05	2	29APR05	417		0.00	0.00							
1301FD-50	Engineering	01APR05*	21	29APR05	417		0.00	49,575.00							
1301R-12	Build Test Fixture	01FEB05A	43	31MAR05A		100	6,610.00	6,610.00							
1301R-37	Prepare Coil Spec	01MAR05A	37	20APR05	1,125	10	0.00	0.00							
1301R-31	Review and Approve Coil Spec	21APR05*	5	27APR05	1,125		0.00	0.00							
0000															
163-001	Title I design CS sprt struc	01DEC03A	341	30SEP04A		LOE	45,035.13	45,035.13							
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	64	30SEP03A		100	0.00	0.00							
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	64	30SEP03A		100	91,660.00	91,660.00							
1301-FY04	FY04 cost variance	01OCT03A	64	30SEP04A		100	27,000.00	27,000.00							
131 - TF Coils															
Job: 1301 - TF Design-KALISH															
Final Design															
131-012	WBS 13 TF FDR		0	02MAY05*	414		0.00	0.00							
Job: 1350 TF Coil Fab Preparation-CHRZANOWSKI															
1350-100	Design tooling & winding facility	01MAR05A	152	30SEP05	1,015	5	6,064.20	121,284.00							
1350-500	Recondition turnkng fixture	21MAR05A	88	22JUL05	1,065	5	1,661.61	33,232.20							
1350-505	Winding Clamps	06JUN05*	84	30SEP05	1,015		0.00	20,768.20							
1350-510	Taping Machine Conditioning	13JUN05*	69	16SEP05	1,025		0.00	27,656.20							
1350-515	Winding mandrel	06JUN05*	84	30SEP05	1,015		0.00	30,930.60							
1350-520	Misc tools & equip	06JUN05*	84	30SEP05	1,015		0.00	3,843.00							
1350-525	TF mold (2)	20JUN05*	96	01NOV05	993		0.00	79,690.05							
1350-600	Build Cleanroom	28MAR05A	83	22JUL05	1,015	5	1,891.50	37,829.96							
1350-605	Install winding table	25JUL05*	50	30SEP05	1,015		0.00	24,655.80							
1350-610	Setup copper delivery system	05SEP05*	20	30SEP05	1,015		0.00	9,850.12							
1350-615	Install taping machine	05SEP05*	20	30SEP05	1,015		0.00	9,850.12							
1350-620	Complete setup of facility		0	30SEP05	1,015		0.00	0.00							

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year						
									FY05	FY06	FY07	FY08	FY09	FY10	
Job: 1351 - TF Coil Fabrication-KALISH															
TF Fabrication Oversight															
131-031	Title III engr (FDR through 1st coil test 75%)	03MAY05	199	20FEB06	852		0.00	172,250.78							
131-032	Title III engr (completion of coils 10%)	13FEB06	332	07JUN07	311		0.00	39,467.35							
131-033	Winding operations field oversight	03MAY05	525	07JUN07	526		0.00	23,207.31							
TF Materials & Supplies															
1351-524	Prep specifications& requisitions for supplies	03MAY05	65	03AUG05	1,057		0.00	0.00							
1351-525	Coil Supplies- Insulation	03MAY05	65	03AUG05	509		0.00	102,480.00							
1351-527	Coil Supplies- Epoxy	15DEC05	361	25MAY07	315		0.00	0.00							
1351-529	Coil Supplies- Copper Conductor	03MAY05	130	02NOV05	416		0.00	131,468.31							
1351-531	Coil Supplies- G-11 fillers	03MAY05	130	02NOV05	426		0.00	62,841.51							
1351-533	Coil Supplies- Lead Blocks	03MAY05	130	02NOV05	426		0.00	24,650.09							
1351-535	Coil Supplies- Safety & PPE equip & supplies	03MAY05	88	05SEP05	468		0.00	10,248.00							
1351-537	Coil Supplies- Misc supplies	03MAY05	88	05SEP05	468		0.00	10,248.00							
1351-539	Coil Supplies- Primer	03MAY05	88	05SEP05	468		0.00	10,248.00							
1351-541	VPI Supplies- Misc VPI supplies	23AUG05	88	03JAN06	416		0.00	11,310.00							
1351-543	VPI Supplies- Disposable VPI HW	27JUL05	107	03JAN06	416		0.00	82,997.46							
TF Braze Qualification															
1351-512	Prepare braze samples	03MAY05	15	23MAY05	496		0.00	8,401.60							
1351-513	Develop braze techniques	24MAY05	15	14JUN05	496		0.00	4,471.20							
1351-514	Braze conductor samples	15JUN05	15	06JUL05	496		0.00	4,471.20							
1351-515	Test brazed samples	07JUL05	15	27JUL05	496		0.00	8,401.60							
Conductor Prep															
1351-547	Conductor Preparation	03NOV05	21	05DEC05	416		0.00	0.00							
Coil Winding															
1351-549	Wind Coil #1	17NOV05	18	14DEC05	416		0.00	24,727.84							
1351-551	Wind Coil #2	24JAN06	10	06FEB06	416		0.00	0.00							
1351-553	Wind Coil #3	06APR06*	10	19APR06	374		0.00	12,029.76							
1351-555	Wind Coil #4	20APR06	10	03MAY06	374		0.00	0.00							
1351-557	Wind Coil #5	02OCT06*	10	13OCT06	269		0.00	12,307.68							
1351-559	Wind Coil #6	16OCT06	10	27OCT06	269		0.00	0.00							
1351-561	Wind Coil #7	30OCT06	10	10NOV06	306		0.00	12,307.68							
1351-563	Wind Coil #8	13NOV06	10	28NOV06	306		0.00	0.00							
1351-565	Wind Coil #9	29NOV06	10	12DEC06	306		0.00	12,307.68							
1351-567	Wind Coil #10	13DEC06	10	03JAN07	306		0.00	0.00							
1351-569	Wind Coil #11	04JAN07	10	17JAN07	306		0.00	12,307.68							
1351-571	Wind Coil #12	18JAN07	10	31JAN07	306		0.00	0.00							
1351-573	Wind Coil #13	01FEB07	10	14FEB07	315		0.00	12,307.68							
1351-575	Wind Coil #14	15FEB07	10	28FEB07	315		0.00	0.00							
1351-577	Wind Coil #15	01MAR07	10	14MAR07	315		0.00	12,307.68							

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05												FY06												FY07												FY08												FY09												FY10											
1351-857	Warm Test Coil #5	01DEC06	2	04DEC06	269		0.00	1,367.52																																																																								
1351-859	Warm Test Coil #6	05DEC06	2	06DEC06	270		0.00	1,367.52																																																																								
1351-861	Warm Test Coil #7	08JAN07	2	09JAN07	332		0.00	1,367.52																																																																								
1351-863	Warm Test Coil #8	10JAN07	2	11JAN07	333		0.00	1,367.52																																																																								
1351-865	Warm Test Coil #9	05FEB07	2	06FEB07	318		0.00	1,367.52																																																																								
1351-867	Warm Test Coil #10	07FEB07	2	08FEB07	321		0.00	1,367.52																																																																								
1351-869	Warm Test Coil #11	05MAR07	2	06MAR07	306		0.00	1,367.52																																																																								
1351-871	Warm Test Coil #12	07MAR07	2	08MAR07	307		0.00	1,367.52																																																																								
1351-873	Warm Test Coil #13	02APR07	2	03APR07	341		0.00	1,367.52																																																																								
1351-875	Warm Test Coil #14	04APR07	2	05APR07	342		0.00	1,367.52																																																																								
1351-877	Warm Test Coil #15	30APR07	2	01MAY07	327		0.00	1,367.52																																																																								
1351-879	Warm Test Coil #16	02MAY07	2	03MAY07	330		0.00	1,367.52																																																																								
1351-881	Warm Test Coil #17	29MAY07	2	30MAY07	315		0.00	1,367.52																																																																								
1351-883	Warm Test Coil #18	31MAY07	2	01JUN07	316		0.00	1,367.52																																																																								
TF Wedge Casting																																																																																
1351-85A	Prep Spec and Req for TF castings	15JUN05	10	28JUN05	508		0.00	0.00																																																																								
1351-85B	Bid & Award TF Castings	29JUN05	40	24AUG05	508		0.00	0.00																																																																								
1351-85C	Award TF Castings		0	24AUG05*	508		0.00	0.00																																																																								
1351-85D	Vendor Fab TF Castings	25AUG05	66	28NOV05	508		0.00	138,322.73																																																																								
Assemble TF Casting to TF coil																																																																																
1351-080	Design Assy Fixture	03MAY05	20	31MAY05	610		0.00	12,282.00																																																																								
1351-086	Fab/Assemble Fixture	01JUN05	19	27JUN05	610		0.00	21,309.00																																																																								
1351-088	Setup Wedge Casting Fixture & test	27JAN06	5	02FEB06	466		0.00	20,049.60																																																																								
1351-110A	Assemble TF to Wedge Casting TF#1	03FEB06	6	10FEB06	466		0.00	8,019.84																																																																								
1351-115A	Assemble TF to Wedge Casting TF#2	09MAR06	3	13MAR06	448		0.00	0.00																																																																								
1351-120A	Assemble TF to Wedge Casting TF#3	08JUN06	3	12JUN06	387		0.00	4,009.92																																																																								
1351-125A	Assemble TF to Wedge Casting TF#4	13JUN06	3	15JUN06	388		0.00	0.00																																																																								
1351-130A	Assemble TF to Wedge Casting TF#5	05DEC06	3	07DEC06	269		0.00	4,102.56																																																																								
1351-135A	Assemble TF to Wedge Casting TF#6	08DEC06	3	12DEC06	269		0.00	0.00																																																																								
1351-140A	Assemble TF to Wedge Casting TF#7	10JAN07	3	12JAN07	332		0.00	4,102.56																																																																								
1351-145A	Assemble TF to Wedge Casting TF#8	15JAN07	3	17JAN07	332		0.00	0.00																																																																								
1351-150A	Assemble TF to Wedge Casting TF#9	07FEB07	3	09FEB07	318		0.00	4,102.56																																																																								
1351-155A	Assemble TF to Wedge Casting TF#10	12FEB07	3	14FEB07	320		0.00	0.00																																																																								
1351-160A	Assemble TF to Wedge Casting TF#11	07MAR07	3	09MAR07	306		0.00	4,102.56																																																																								
1351-165A	Assemble TF to Wedge Casting TF#12	12MAR07	3	14MAR07	306		0.00	0.00																																																																								
1351-170A	Assemble TF to Wedge Casting TF#13	04APR07	3	06APR07	341		0.00	4,102.56																																																																								
1351-175A	Assemble TF to Wedge Casting TF#14	09APR07	3	11APR07	341		0.00	0.00																																																																								
1351-180A	Assemble TF to Wedge Casting TF#15	02MAY07	3	04MAY07	327		0.00	4,102.56																																																																								
1351-185A	Assemble TF to Wedge Casting TF#16	07MAY07	3	09MAY07	329		0.00	0.00																																																																								

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05						FY06						FY07						FY08						FY09						FY10					
1351-190A	Assemble TF to Wedge Casting TF#17	31MAY07	3	04JUN07	315		0.00	4,102.56																																				
1351-195A	Assemble TF to Wedge Casting TF#18	05JUN07	3	07JUN07	315		0.00	0.00																																				
Final Test (cold after casting installation)																																												
1351-901	Build Cryostat for teststand to hold TF coil	21DEC05	20	25JAN06	466		0.00	11,120.20																																				
1351-902	Build lifting fixture	21DEC05	20	25JAN06	466		0.00	0.00																																				
1351-905	Cold test #1 BEFORE casting applied	26JAN06	6	02FEB06	466		0.00	0.00																																				
1351-910	Cold test #1 again AFTER casting applied	13FEB06	6	20FEB06	466		0.00	9,781.92																																				
132 - PF Coils																																												
Job: 1302 - PF and CS Design -KALISH																																												
1302-PF	PF& CS Support Preliminary Design	02OCT06*	50	12DEC06	175		0.00	87,148.48																																				
141-012	PF & CS Sprt PDR		0	12DEC06	175		0.00	0.00																																				
1302-CSS	PF & CS Support Final Design	13DEC06	75	04APR07	175		0.00	166,032.88																																				
1301-137	PF & CS Support FDR		0	04APR07	175		0.00	0.00																																				
Job: 1352 - PF Coil Procurement-KALISH																																												
PF Coil Fabrication																																												
141-035	Bid & Award PF Coils	27AUG07*	45	29OCT07	124		0.00	0.00																																				
141-036	PF Coils Awarded		0	29OCT07	124		0.00	0.00																																				
1352-100	Material & leads	30OCT07	75	21FEB08	124		0.00	352,000.00																																				
1352-110	Tooling for PF 4	30OCT07*	25	05DEC07	159		0.00	73,920.00																																				
1352-115	Tooling for PF 5	06DEC07	25	17JAN08	159		0.00	73,920.00																																				
1352-120	Tooling for PF 6	18JAN08	25	21FEB08	174		0.00	73,920.00																																				
1352-105	Tooling for PF 1,2 and 3	22FEB08	30	03APR08	174		0.00	73,920.00																																				
1352-140	Fabricate/Divr PF 4 lower	22FEB08	10	06MAR08	124		0.00	55,968.00																																				
1352-145	Fabricate/Divr PF 5 lower	07MAR08	15	27MAR08	124		0.00	41,817.00																																				
1352-150	Fabricate/Divr PF 6 lower	28MAR08	15	17APR08	124		0.00	41,817.00																																				
1352-155	Fabricate/Divr PF 4 upper	18APR08	10	01MAY08	124		0.00	41,817.00																																				
1352-160	Fabricate/Divr PF 5 upper	02MAY08	15	22MAY08	124		0.00	41,817.00																																				
1352-165	Fabricate/Divr PF 6 upper	23MAY08	15	13JUN08	124		0.00	41,817.00																																				
1352-125	Fabricate/Divr PF 1 upper & lower	16JUN08	15	07JUL08	124		0.00	83,634.00																																				
1352-130	Fabricate/Divr PF 2 upper & lower	08JUL08	15	28JUL08	124		0.00	83,634.00																																				
1352-135	Fabricate/Divr PF 3 upper & lower	29JUL08	15	18AUG08	124		0.00	83,634.00																																				
722.010	PF Coil receipt inspect/test (formerly wbs 183)	22FEB08	125*	18AUG08	124		0.00	31,033.22																																				
141-031	Title III engr WBS 132	27AUG07*	268	19SEP08	268		0.00	167,206.12																																				
Job: 1353 - CS Structure Procurement-KALISH																																												
CS Support Structure																																												
163-035	Bid & Award CS Support Struct	05APR07	45	07JUN07	175		0.00	0.00																																				
163-036.9	Award CS Support Structure		0	07JUN07*	175		0.00	0.00																																				
163-037	CS Support Structure Procurement/Fab	08JUN07*	249	05JUN08	175		0.00	206,456.08																																				
163-015	Title III design CS sprt struc	05APR07	294	05JUN08	342		0.00	63,845.70																																				

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05						FY06						FY07						FY08						FY09						FY10					
133 - External Trim Coils																																												
Job: 1354 - Trim Coil Procurement-KALISH																																												
Trim Coils																																												
184-035	Bid & Award Ext Trim Coils	11JAN07	45	14MAR07	148		0.00	0.00																																				
184-036	Award External Trim Coils		0	14MAR07*	148		0.00	0.00																																				
184-037	External Trim Coil Procurement/Fab*ecp16	15MAR07	87	17JUL07	148		0.00	85,870.00																																				
184-015	Title III WBS 133 Rxt Trim Coils	11JAN07	147	07AUG07	549		0.00	62,862.72																																				
1303-TRIM	Trim Coil Design	02OCT06*	65	10JAN07	148		0.00	108,935.60																																				
1303-136	Trim Coil PDR		0	10NOV06	148		0.00	0.00																																				
1303-137	Trim Coil FDR		0	10JAN07	148		0.00	0.00																																				
134 - Conventional Coil Local I&C																																												
Job: 1355 - WBS 13 I&C Proc & Coil Assy-KALISH																																												
TF/PF Local I&C																																												
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07	626		0.00	1,098.28																																				
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	467		0.00	69,521.89																																				
1355-100	CS and PF 1-3 Pre-Assy incl coil I&C procurement	19AUG08	15	09SEP08	124		0.00	21,252.00																																				
14 - Modular Coils																																												
141 - Modular Coil Winding Form																																												
Job: 1401 - Mod Coil Prel.Dsn-WILLIAMSON																																												
0000																																												
1401-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	303,040.00	303,040.00																																				
1401-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	0.00	0.00																																				
Job: 1402 - Mod.Coil Analyses-WILLIAMSON																																												
0000																																												
1402-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A		100	84,220.00	84,220.00																																				
1402-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A		100	154,920.00	154,920.00																																				
Job:1404-MCWF R&D & 1st Prod Casting-HEITZENROED																																												
0000																																												
1404-002	Apr-Sept YTD MIE Cost ORNL	01APR03A	64*	30SEP03A		100	100,220.00	100,220.00																																				
1404-003	Apr-Sept YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	64,670.00	64,670.00																																				
1404-ECP16	ecp16	01OCT03A	64*	30SEP04A		100	93,000.00	93,000.00																																				
Prototype Design Issues																																												
1404-109.J	JOULE MILESTONE #1-Authorize Prototype Fab		0	20OCT03A		100	0.00	0.00																																				
1404-110.J	JOULE MILESTONE #3-Prototype Casting Made		0	28MAY04A		100	0.00	0.00																																				
3000	Issue Type C final drawings to EIO & JPP		0	30SEP04A		100	0.00	0.00																																				
1404-65	Fabrication oversight by Project	01OCT03A	213*	30JUN04A		100	132,000.00	132,000.00																																				
1404-66	Proposal evaluation & contract oversight	01AUG04A	43*	30SEP04A		100	15,292.26	15,292.26																																				
EIO Subcontract (S04341F)																																												
1404-100	EIO-Cost FY03	01MAY03A	10	30SEP03A		100	323,952.72	323,952.72																																				
1404-105	EIO-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A		100	571,337.28	571,337.28																																				

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
1403-26.1	Check thermal & electrical calculations	02FEB04A	85*	18MAY04A		100	10,295.20	10,295.20						
Analysis - Structural														
141TITLE2P	PDR #1,4,26 Access,Tolerance Budget,Bolting	01MAR04A	65*	18MAY04A		100	26,896.21	26,896.21						
1403-29	Complete ANSYS model of coil structure asm	15OCT03A	160*	18MAY04A		100	154,500.00	154,500.00						
1403-30	Analyze global stress /deflect winding form asm	31OCT03A	148*	18MAY04A		100	15,450.00	15,450.00						
1403-31	Analyze stress in bolted connections	01MAR04A	65*	18MAY04A		100	6,180.00	6,180.00						
1403-32	Update MECHANICA model of 3 coil types	15OCT03A	160*	18MAY04A		100	10,295.20	10,295.20						
1403-33	Anlyz wind pack deflect/stress fo thrml, EM lds	01MAR04A	65*	18MAY04A		100	5,147.60	5,147.60						
1403-34	Analyze and optimize clamp locations	01MAR04A	55*	30APR04A		100	5,147.60	5,147.60						
1403-35	Perform supporting analysis for material tests	15OCT03A	150*	30APR04A		100	16,727.62	16,727.62						
1403-36	Update EM loads for reference scenarios	01MAR04A	55*	30APR04A		100	10,357.62	10,357.62						
1403-37	Perform check og global structural analysis	01MAR04A	65*	18MAY04A		100	16,727.62	16,727.62						
1403-38	Check nonlinear winding pack analysis	01MAR04A	65*	18MAY04A		100	10,357.62	10,357.62						
1403-39	Analyze gravity, equip, seismic loading	01MAR04A	65*	18MAY04A		100	6,180.00	6,180.00						
1403-40	Analyze combined loads and fault conditions	01MAR04A	65*	18MAY04A		100	6,180.00	6,180.00						
1403-40.1	Check Structural Calculations	02FEB04A	107*	18MAY04A		100	9,265.68	9,265.68						
1403-40.1A	Prepare plate element model of coil structure	01MAR04A	65*	18MAY04A		100	9,265.68	9,265.68						
1403-40.1B	Confirm global deflection/stress, re-inf of shel	02FEB04A	85*	18MAY04A		100	10,295.20	10,295.20						
1403-40.1C	Check all struct calculkations	01MAR04A	65*	18MAY04A		100	9,265.68	9,265.68						
1403-40.2A	Develop multi-filament model of all coils	01MAR04A	65*	18MAY04A		100	3,088.56	3,088.56						
1403-40.2B	Confirm Plasma performance & surface quality	26APR04A	25*	18MAY04A		100	3,708.00	3,708.00						
1403-40.2C	Model expected deflections under thermal/EM load	26APR04A	25*	18MAY04A		100	6,177.12	6,177.12						
1403-40.2D	Confirm plasma performance & surface quality	26APR04A	25*	18MAY04A		100	7,416.00	7,416.00						
1403-41	Prepare structural analysis report	26APR04A	25*	18MAY04A		100	18,531.36	18,531.36						
Winding Form FDR Prep														
1403-03	Increase for actual cost of Final Design ECP 11	15OCT03A	118*	30JUN04A		100	358,000.00	358,000.00						
1403-43	Incorporate changes due to prototype fabr	01MAR04A	22*	31MAR04A		100	10,423.89	10,423.89						
1403-47	Prepare failure modes assessment (FMECA)	26APR04A	68*	19MAY04A		100	4,504.15	4,504.15						
1403-50	Prepare FDR documentation / presentations	01MAY04A	9	18MAY04A		100	10,295.20	10,295.20						
1403-50.2	Prepare Prelim Bid Package	23APR04A	0*	23APR04A		100	0.00	0.00						
1403-50.5	Prelim Bid Package Released		0	23APR04A		100	0.00	0.00						
1403-51	MCWF FDR		0	19MAY04A		100	0.00	0.00						
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness		0	16SEP04A		100	0.00	0.00						
MCWF Procurement														
1403-53	Resolve FDR comments and recommendations	01JUN04A	86*	30SEP04A		100	15,442.80	15,442.80						
1403-54	Final bid package(specs,models,dwgs)	09JUN04A	17*	30JUN04A		100	7,976.68	7,976.68						
1010	Prep & Issue RFP	01JUL04A	1	01JUL04A		100	0.00	0.00						

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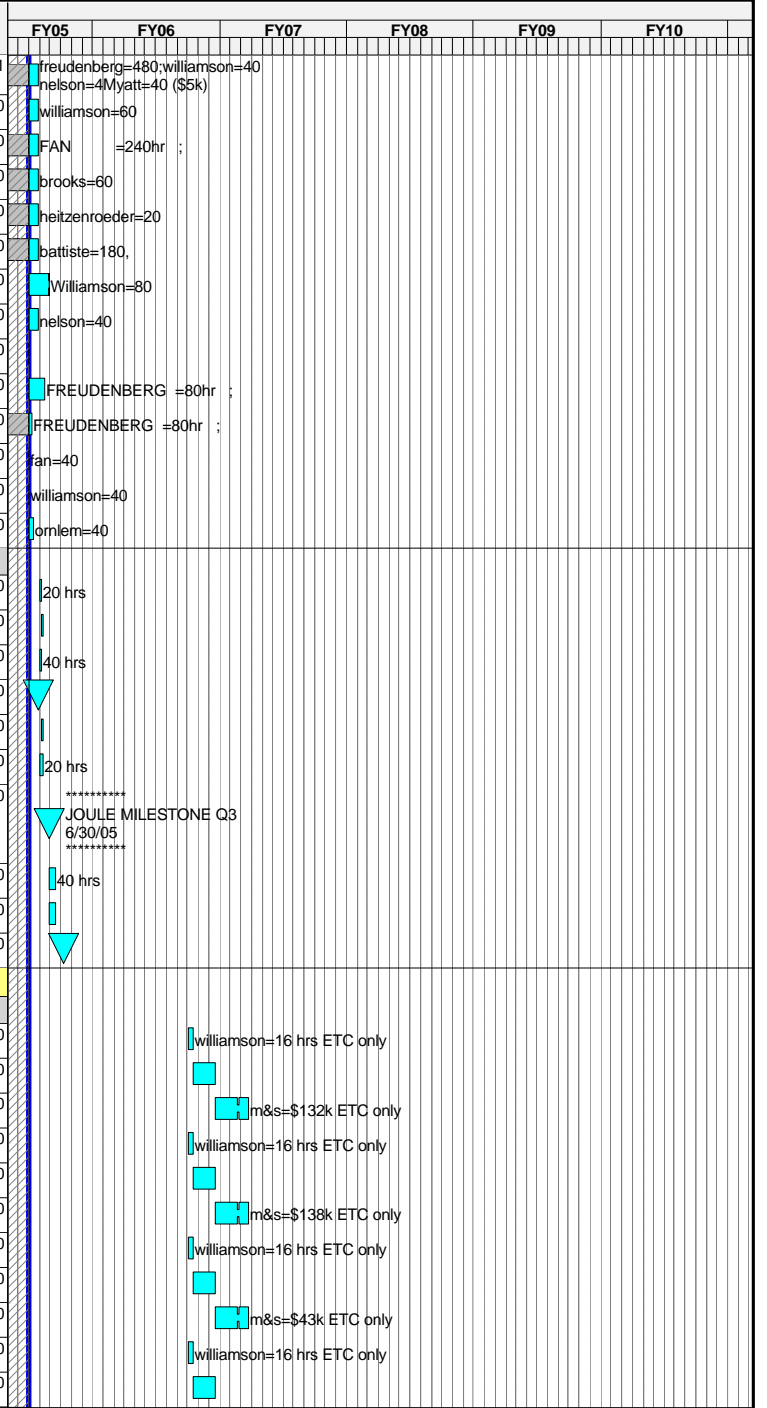


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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
1403-40.2Z	Update nonlinear winding pack analysis	01AUG04A	186*	29APR05	1,123	90	75,962.53	84,402.81						
1403-42H	calculate EM loads at leads	01APR05*	21*	29APR05	1,123	60	5,580.00	9,300.00						
1403-74	check analysis using simplified models	01OCT04A	143*	29APR05	1,123	90	35,694.00	39,660.00						
1403-42D	Fracture fatigue analysis for MCWF	01NOV04A	121*	28APR05	1,124	50	4,957.50	9,915.00						
1403-42D.0	Determine Fatigue properties	01NOV04A	122*	29APR05	1,123	50	1,652.50	3,305.00						
1403-42F	Perform WP beam tests at ORNL	01NOV04A	122*	29APR05	1,123	50	13,950.00	27,900.00						
1403-47A	Update,review & approve FMECA	01APR05*	42*	31MAY05	170	10	620.00	6,200.00						
1403-42A	WP beam bending results documentation	01APR05*	21*	29APR05	1,123		0.00	6,200.00						
1403-42A1	Document analysis of MCWF eddy currents	01APR05*	1*	01APR05	1,143		0.00	0.00						
1403-73	Prep struct analysis report	01APR05*	32*	16MAY05	1,112		0.00	12,400.00						
1403-76	Structural analysis of leads	01OCT04A	129*	11APR05	1,137	50	6,200.00	12,400.00						
1403-47C	Perform cool-down/warmup analysis	01APR05*	1*	01APR05	1,143		0.00	6,610.00						
1403-49A	Update tech sheets for new #of turns	01APR05	1*	01APR05	1,143		0.00	6,200.00						
1403-50A	Check inductance calculation	01APR05	10	14APR05	1,134		0.00	6,200.00						
Winding and Assembly Design-Type C														
1403-20.00	Resolve FDR chits	02MAY05	5	06MAY05	160		0.00	3,100.00						
1403-20.01	ISSUE CLADDING & TERMINAL DWGS FOR FAB	09MAY05	1	09MAY05	160		0.00	0.00						
1403-20.04	Resolve FDR chits	02MAY05	5	06MAY05	146		0.00	6,200.00						
1403-20A	Mod Coil Type C #1&2FDR [clad,chill plts,ld HW]		0	29APR05*	146		0.00	0.00						
1403-20.02	ISSUE CHILL PLATE & LEAD BLOCK DWGS FOR FAB	09MAY05	5	13MAY05	146		0.00	0.00						
1403-49	Update cost / schedule estimates	02MAY05	10	13MAY05	181		0.00	3,100.00						
1403-20B	Mod Coil Type C #3FDR for complt assy & clamps		0	31MAY05	170		0.00	0.00						
1403-20.2	Resolve FDR chits	01JUN05*	11	15JUN05	170		0.00	6,200.00						
1403-20.03	ISSUE CLAMP,INSTR, & TOP ASSY DWGS FOR FAB	01JUN05	11	15JUN05	192		0.00	0.00						
1403-20.1	Mod Coil Type C Fab Preparedness Review		0	07JUL05*	170		0.00	0.00						
Job: 1421-Mod Coil Interface Hardware-WILLIAMSON														
1421-100	Submet Requisition for - Assy bolts,nuts,washers	06JUL06	10	19JUL06	164		0.00	0.00						
1421-105	Procurement lead time for-Assy bolts,nuts,washer	20JUL06	45	20SEP06	164		0.00	0.00						
1421-110	Deliver - Assy bolts,nuts,washers	21SEP06	65	22DEC06	164		0.00	0.00						
1421-200	Submet Requisition for - Assembly shims	06JUL06	10	19JUL06	164		0.00	0.00						
1421-205	Procurement lead time for - Assembly shims	20JUL06	45	20SEP06	164		0.00	0.00						
1421-210	Deliver - Assembly shims	21SEP06	65	22DEC06	164		0.00	0.00						
1421-300	Submet Requisition for - Eccentric ball assy	06JUL06	10	19JUL06	164		0.00	0.00						
1421-305	Procurement lead time for - Eccentric ball assy	20JUL06	45	20SEP06	164		0.00	0.00						
1421-310	Deliver - Eccentric ball assy	21SEP06	65	22DEC06	164		0.00	0.00						
1421-400	Submet Requisition for - Bladders	06JUL06	10	19JUL06	164		0.00	0.00						
1421-405	Procurement lead time for - Bladders	20JUL06	45	20SEP06	164		0.00	0.00						



Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05	FY06	FY07	FY08	FY09	FY10
142 - Modular Coil Windings and Assembly														
Job: 1405-Mod Coil Winding R&D Prep-CHRZANOWSKI														
0000														
1405-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30MAY03A			0.00	0.00						
1405-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30MAY03A			168,070.00	168,070.00						
Job: 1403 - Modular Coil Final Design-WILLIAMSON														
MCWF & Winding Analysis/Testing														
1403-ECP16	ecp16	01JUN04A	108*	30SEP04A		100	139,000.00	139,000.00						
Winding and Assembly Design-Type C														
1403-202	G-10 Filler Dwgs Type C ??????????????	01JAN04A	227*	30SEP04A		100	13,512.45	13,512.45						
1403-219	MCWF assy-Type C	01OCT04A	133*	15APR05	156	90	5,580.00	17,980.00						
1403-220	Cladding assembly-Type C	01OCT04A	143*	29APR05	146	90	25,110.00	43,710.00						
1403-201	Leads start assy Dwgs (10)-Type C	01JAN04A	334*	29APR05	146	90	33,763.64	42,160.91						
1403-222	Terminal / elec services assembly-Type C	01NOV04A	122*	29APR05	146	30	3,720.00	9,920.00						
1403-200	Side A/B winding pack assy-Type C	01JAN04A	334*	29APR05	191	90	25,426.94	33,824.21						
1403-221	Lead ends assy-Type C	01NOV04A	118*	25APR05	150	30	3,720.00	19,220.00						
1403-204	Outer Chill Plate Dwgs -Type C	01SEP04A	156*	19APR05	154	30	25,390.90	43,565.89						
1403-206.1	Cooling tubes/services assy- Type C	01APR05*	21*	29APR05	146		0.00	9,300.00						
1403-203	Start Clamp Dwgs (5)-Type C	01JAN05A	20	28FEB05A		100	23,219.00	23,219.00						
1403-203C	Finish Clamp Dwgs (5)-Type C	02MAY05	21	31MAY05	170		0.00	15,500.00						
1403-224	Start PI mold assembly-Type C	01NOV04A	127*	28FEB05A		100	3,720.00	3,720.00						
1403-224C	Finish VPI mold assembly-Type C	02MAY05	21	31MAY05	170		0.00	3,100.00						
1403-208	Start I&C Dwgs -Type C	01NOV04A	139*	28FEB05A		100	1,860.00	1,860.00						
1403-208C	Finish I&C Dwgs -Type C	02MAY05	21	31MAY05	170		0.00	6,200.00						
1403-206	Start Cooling, Electr Schematic Dwgs- Type C	01NOV04A	81*	28FEB05A		100	3,720.00	3,720.00						
1403-206C	Finish Cooling, Electr Schematic Dwgs - Type C	02MAY05	21	31MAY05	170		0.00	6,200.00						
1403-223	Start tp level coil assembly-Type C	01NOV04A	139*	28FEB05A		100	1,860.00	1,860.00						
1403-223C	Finish Top level coil assembly-Type C	02MAY05	21	31MAY05	170		0.00	12,400.00						
1403-58C	Check and promote clamp, I&C assy dwgs -Type C	02MAY05	21	31MAY05	170		0.00	15,500.00						
1403-58X1	Check and promote cladding & terminal dwg-Type C	01APR05*	9	13APR05	1,135		0.00	6,200.00						
1403-58X2	Check and promote lead blocks, chill plt-Type C	06APR05*	17	28APR05	147		0.00	12,400.00						
1403-60	Start Update design basis document	02FEB05A	80*	28FEB05A		100	1,240.00	1,240.00						
1403-60C	Finish Update design basis document	02MAY05	21	31MAY05	170		0.00	12,400.00						
1403-59	Type-C product specifications	02MAY05	21	31MAY05	170		0.00	6,200.00						
1403-62	Prepare FDR documentation / presentations	02MAY05	10	13MAY05	181		0.00	3,100.00						
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	16JUN05	15	07JUL05	169		0.00	6,200.00						
Winding and Assembly Design-Type A														
1403-319	MCWF studs,modifications-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00						
1403-320	Cladding assembly-Type A	01JUN05*	42	29JUL05	143		0.00	31,000.00						
1403-301	Leads & crossover Dwgs (10)-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00						

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year							
									FY05	FY06	FY07	FY08	FY09	FY10		
1403-300	Winding pack assy Dwgs (8)-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	WILLIAMSON	=40hr						
1403-321	Lead ends & closure-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	LOVETT	=40hr						
1403-322	Terminal assembly-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	LOVETT	=40hr						
1403-304	Chill Plate Dwgs (66)-Type A	01JUN05*	42	29JUL05	143		0.00	31,000.00	HARGROVE	=80+120=200hr						
1403-324	VPI mold assembly0-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	LOVETT	=40hr						
1403-303	Clamp Dwgs (5)-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	LOVETT	=40hr						
1403-306	Cooling, Electr Schematic Dwgs (1)-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	WILLIAMSON	=40hr						
1403-308	I&C Dwgs (1) -Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	WILLIAMSON	=40hr						
1403-323	Top level coil assembly-Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	LOVETT	=40hr						
1403-58A	Check and promote models / drawings -Type A	01JUN05*	42	29JUL05	143		0.00	6,200.00	COLE	=40hr						
1403-904	Update cost/sched estimates&Design Basis doc.	01JUN05*	42	29JUL05	143		0.00	6,200.00	Freudenberg	=40hr						
1403-900	Prep FDR Documentation	25JUL05	5	29JUL05	143		0.00	3,100.00	WILLIAMSON	=20hr						
1403-71	FDR Production Type A Mod Coil Winding		0	29JUL05*	143		0.00	0.00								
1403-901	Resolve FDR comments	01AUG05	3	03AUG05	1,057		0.00	3,100.00	WILLIAMSON	=20hr						
1403-902	Type A product specification	01AUG05*	5	05AUG05	1,045		0.00	3,100.00	WILLIAMSON	=20hr						
1403-71.05	Update MIT/QA Plans for Type A Winding Fab	08AUG05*	10	19AUG05	1,045		0.00	3,100.00	Chrzanowski	=20						
1403-71.1	Fab Readiness Review - Production Type A		0	19AUG05*	1,045		0.00	0.00								
Winding and Assembly Design-Type B																
1403-419	MCWF studs,modifications-Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	LOVETT	=40hr						
1403-420	Cladding assembly-Type B	01AUG05*	45	30SEP05	202		0.00	31,000.00	HARGROVE	=80+120=200hr						
1403-401	Leads & crossover Dwgs (10)-Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	LOVETT	=40hr						
1403-400	Winding pack assy Dwgs (8)-Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	WILLIAMSON	=40hr						
1403-421	Lead ends & closure-Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	LOVETT	=40hr						
1403-422	Terminal assembly-Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	LOVETT	=40hr						
1403-404	Chill Plate Dwgs (66)-TypeB	01AUG05*	45	30SEP05	202		0.00	31,000.00	HARGROVE	=80+120=200hr						
1403-424	VPI mold assembly0-Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	LOVETT	=40hr						
1403-403	Clamp Dwgs (5)-Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	LOVETT	=40hr						
1403-406	Cooling, Electr Schematic Dwgs (1)-Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	WILLIAMSON	=40hr						
1403-408	I&C Dwgs (1) -Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	WILLIAMSON	=40hr						
1403-423	Top level coil assembly-Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	LOVETT	=40hr						
1403-58B	Check and promote models / drawings -Type B	01AUG05*	45	30SEP05	202		0.00	6,200.00	COLE	=40hr						
1403-80	Update design basis doc & cost sched est	01AUG05*	45	30SEP05	202		0.00	6,200.00	freudenberg	=40hr						
1403-72.06	Update build-to spec	19SEP05	10	30SEP05	202		0.00	3,305.00	Williamson	=20						
1403-81	Prepare FDR doc	26SEP05	5	30SEP05	202		0.00	3,100.00	WILLIAMSON	=20hr						
1403-72	Final Design Review Production Type B		0	30SEP05*	202		0.00	0.00								
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	03OCT05	10	14OCT05	1,005		0.00	3,671.40	Chrzanowski	=20						
1403-72.07	Resolve FDR comments	03OCT05	5	07OCT05	1,010		0.00	3,671.40	Williamson	=20						
1403-72.1	Fab Readiness Review - Production Type B		0	14OCT05*	1,005		0.00	0.00								

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
Copper Conductor														
1408-141	Copper Conductor -Spec & Requisition	02AUG04A	3	27AUG04A		100	2,472.00	2,472.00						
1408-142	Copper Conductor -Prep & Issue RFQ/RFP	30AUG04A	23	30SEP04A		100	0.00	0.00						
1408-143	Copper Conductor -Evaluate Bids & Award	30SEP04A	5	30SEP04A		100	0.00	0.00						
1408-143.1	Mod Coil Copper Conductor Awarded		0	01OCT04A		100	0.00	0.00						
1408-147	Copper Conductor -Delivery #1 PE005371	01OCT04A	63	23DEC04A		100	12,002.97	12,002.97						
1408-145	Copper Conductor -Delivery #2 PE005371	01MAR05A	66	01JUN05	1,101	61	139,114.42	228,056.43						
1408-146	Add'l Copper Conductor f/trial winding PE005371	01JUN05*	40	27JUL05	1,062		0.00	30,744.00						
Insulation for conductor														
1408-101	Insulation-Spec & Requisition	09JUL04A	3	13JUL04A		100	0.00	0.00						
1408-103	Insulation-Prep & Issue RFQ/RFP	01AUG04A	10	20AUG04A		100	0.00	0.00						
1408-104	Insulation-Evaluate Bids & Award	23AUG04A	5	31AUG04A		100	0.00	0.00						
1408-107	Insulation-Initial Delivery for Production	31JAN05A	11	31JAN05A		100	6,405.00	6,405.00						
1408-108	Insulation-Delivery incl add'l f/trial winding	01JUN05*	20	28JUN05	1,082		0.00	20,496.00						
Groundwrap Insulation														
1408-110	Gmdwrap Insulation-Spec & Requisition	03JAN05A	3	31JAN05A		100	0.00	0.00						
1408-112	Gmdwrap-Bid & Award	03JAN05A	3	31JAN05A		100	0.00	0.00						
1408-112.1	Gmdwrap-Delivery	31JAN05A	37	28FEB05A		100	25,620.00	25,620.00						
Cladding														
1408-501	Submet Requisition for Type C Cladding	10MAY05	5	16MAY05		160	0.00	0.00						
1408-503	Bid and Award Type C Cladding	17MAY05	30	28JUN05		160	0.00	0.00						
1408-505	PPPL Fabr Cladding Type C for Coil c1	02MAY05	15	20MAY05		186	0.00	3,586.80						
1408-507	Fabr Cladding Type C for Coil c2	29JUN05	15	20JUL05		160	0.00	3,586.80						
1408-509	Fabr Cladding Type C for Coil c3	21JUL05	15	10AUG05		200	0.00	3,586.80						
1408-511	Fabr Cladding Type C for Coil c4	11AUG05	15	31AUG05		240	0.00	3,586.80						
1408-513	Fabr Cladding Type C for Coil c5	01SEP05	15	21SEP05		274	0.00	3,586.80						
1408-515	Fabr Cladding Type C for Coil c6	22SEP05	15	12OCT05		292	0.00	3,882.48						
1408-517	Submet Requisition for Type A Cladding	01AUG05	5	05AUG05		143	0.00	0.00						
1408-519	Bid and Award Type A Cladding	08AUG05	30	16SEP05		143	0.00	0.00						
1408-521	Fabr Cladding Type A for Coil a1	03OCT05	15	21OCT05		133	0.00	4,141.20						
1408-523	Fabr Cladding Type A for Coil a2	13DEC05	15	10JAN06		137	0.00	4,141.20						
1408-525	Fabr Cladding Type A for Coil a3	06JUL06	15	26JUL06		152	0.00	4,141.20						
1408-527	Fabr Cladding Type A for Coil a4	03AUG06	15	23AUG06		147	0.00	4,141.20						
1408-529	Fabr Cladding Type A for Coil a5	31AUG06	15	20SEP06		183	0.00	4,141.20						
1408-531	Fabr Cladding Type A for Coil a6	28SEP06	15	18OCT06		179	0.00	3,913.09						
1408-533	Submet Requisition for Type B Cladding	03OCT05	5	07OCT05		202	0.00	0.00						
1408-535	Bid and Award Type B Cladding	10OCT05	30	18NOV05		202	0.00	0.00						
1408-537	Fabr Cladding Type B for Coil b1	14MAR06	15	03APR06		129	0.00	4,141.20						

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year						
									FY05	FY06	FY07	FY08	FY09	FY10	
1408-539	Fabr Cladding Type B for Coil b2	08JUN06	15	28JUN06	131		0.00	4,141.20							
1408-541	Fabr Cladding Type B for Coil b3	19OCT06	15	08NOV06	211		0.00	3,878.00							
1408-543	Fabr Cladding Type B for Coil b4	14NOV06	15	06DEC06	208		0.00	3,878.00							
1408-545	Fabr Cladding Type B for Coil b5	07DEC06	15	04JAN07	251		0.00	3,878.00							
1408-547	Fabr Cladding Type B for Coil b6	05JAN07	15	25JAN07	255		0.00	3,878.00							
Lead hardware & Fillers															
1408-701	Submet Requisition for Type C Lead HW	16MAY05	5	20MAY05	146		0.00	0.00							
1408-703	Bid and Award Type C Lead HW	23MAY05	30	05JUL05	146		0.00	0.00							
1408-705	Fabr Lead HW Type C for Coil c1	06JUL05	20	02AUG05	146		0.00	94,378.80							
1408-707	Fabr Lead HW Type C for Coil c2	03AUG05	20	30AUG05	146		0.00	25,204.80							
1408-709	Fabr Lead HW Type C for Coil c3	31AUG05	20	27SEP05	181		0.00	25,204.80							
1408-711	Fabr Lead HW Type C for Coil c4	09MAR06	20	05APR06	109		0.00	28,252.80							
1408-713	Fabr Lead HW Type C for Coil c5	16MAY06	20	13JUN06	109		0.00	28,252.80							
1408-715	Fabr Lead HW Type C for Coil c6	05JUN06	20	30JUN06	134		0.00	28,252.80							
1408-717	Submet Requisition for Type A Lead HW	01AUG05	5	05AUG05	158		0.00	0.00							
1408-719	Bid and Award Type A Lead HW	08AUG05	30	16SEP05	158		0.00	0.00							
1408-721	Fabr Lead HW Type A for Coil a1	17OCT05	20	11NOV05	138		0.00	28,252.80							
1408-723	Fabr Lead HW Type A for Coil a2	04JAN06	20	31JAN06	137		0.00	28,252.80							
1408-725	Fabr Lead HW Type A for Coil a3	23AUG06	20	19SEP06	133		0.00	28,252.80							
1408-727	Fabr Lead HW Type A for Coil a4	11OCT06	20	07NOV06	108		0.00	28,905.60							
1408-729	Fabr Lead HW Type A for Coil a5	04DEC06	20	08JAN07	134		0.00	28,905.60							
1408-731	Fabr Lead HW Type A for Coil a6	30JAN07	20	26FEB07	109		0.00	28,905.60							
1408-733	Submet Requisition for Type B Lead HW	03OCT05	5	07OCT05	217		0.00	0.00							
1408-735	Bid and Award Type B Lead HW	10OCT05	30	18NOV05	217		0.00	0.00							
1408-737	Fabr Lead HW Type B for Coil b1	28MAR06	20	24APR06	134		0.00	28,252.80							
1408-739	Fabr Lead HW Type B for Coil b2	25JUL06	20	21AUG06	109		0.00	28,252.80							
1408-741	Fabr Lead HW Type B for Coil b3	07MAR07	20	03APR07	135		0.00	28,905.60							
1408-743	Fabr Lead HW Type B for Coil b4	25APR07	20	22MAY07	110		0.00	28,905.60							
1408-745	Fabr Lead HW Type B for Coil b5	01JUN07	20	28JUN07	142		0.00	28,905.60							
1408-747	Fabr Lead HW Type B for Coil b6	23JUL07	20	17AUG07	125		0.00	28,905.60							
Chill Plates															
1408-601	Submet Requisition for Type C Chill Plts	16MAY05	5	20MAY05	179		0.00	0.00							
1408-603	Bid and Award Type C Chill Plts	23MAY05	30	05JUL05	179		0.00	0.00							
1408-605	Fabr Chill Plts Type C for Coil c1	06JUL05	20	02AUG05	179		0.00	3,586.80							
1408-607	Fabr Chill Plts Type C for Coil c2	03AUG05	20	30AUG05	179		0.00	3,586.80							
1408-609	Fabr Chill Plts Type C for Coil c3	31AUG05	20	27SEP05	214		0.00	3,586.80							
1408-611	Fabr Chill Plts Type C for Coil c4	25APR06	20	22MAY06	109		0.00	4,141.20							
1408-613	Fabr Chill Plts Type C for Coil c5	03JUL06	20	31JUL06	109		0.00	4,141.20							
1408-615	Fabr Chill Plts Type C for Coil c6	21JUL06	20	17AUG06	134		0.00	4,141.20							

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Gantt Chart													
									FY05	FY06	FY07	FY08	FY09	FY10								
1408-617	Submet Requisition for Type A Chill Plts	01AUG05	5	05AUG05	191		0.00	0.00														
1408-619	Bid and Award Type A Chill Plts	08AUG05	30	16SEP05	191		0.00	0.00														
1408-621	Fabr Chill Plts Type A for Coil a1	05DEC05	20	09JAN06	138		0.00	4,141.20														
1408-623	Fabr Chill Plts Type A for Coil a2	20FEB06	20	17MAR06	138		0.00	4,141.20														
1408-625	Fabr Chill Plts Type A for Coil a3	31OCT06	20	29NOV06	133		0.00	3,878.00														
1408-627	Fabr Chill Plts Type A for Coil a4	21DEC06	20	25JAN07	108		0.00	3,878.00														
1408-629	Fabr Chill Plts Type A for Coil a5	08FEB07	20	07MAR07	135		0.00	3,878.00														
1408-631	Fabr Chill Plts Type A for Coil a6	29MAR07	20	25APR07	110		0.00	3,878.00														
1408-633	Submet Requisition for Type B Chill Plts	03OCT05	5	07OCT05	250		0.00	0.00														
1408-635	Bid and Award Type B Chill Plts	10OCT05	30	18NOV05	250		0.00	0.00														
1408-637	Fabr Chill Plts Type B for Coil b1	12MAY06	20	09JUN06	134		0.00	4,141.20														
1408-639	Fabr Chill Plts Type B for Coil b2	11SEP06	20	06OCT06	108		0.00	4,075.40														
1408-641	Fabr Chill Plts Type B for Coil b3	04MAY07	20	01JUN07	135		0.00	3,878.00														
1408-643	Fabr Chill Plts Type B for Coil b4	26JUN07	20	23JUL07	108		0.00	3,878.00														
1408-645	Fabr Chill Plts Type B for Coil b5	01AUG07	20	28AUG07	141		0.00	3,878.00														
1408-647	Fabr Chill Plts Type B for Coil b6	20SEP07	20	17OCT07	124		0.00	3,919.86														
Tubing																						
1408-761	Submet Requisition for Tubing	16JUN05	5	22JUN05	192		0.00	0.00														
1408-763	Bid and Award Tubing	23JUN05	15	14JUL05	192		0.00	0.00														
1408-765	Deliver Tubing	15JUL05	10	28JUL05	192		0.00	2,562.00														
Epoxy																						
1408-111	Epoxy - Requisition	01JAN05A	5	31JAN05A	100		0.00	0.00														
1408-114	Epoxy -Evaluate Bids & Award	01APR05	10	14APR05	469		0.00	0.00														
1408-117	Epoxy -1st Delivery for Production	12SEP05	20	07OCT05	365		0.00	22,185.00														
1408-119	Epoxy -2nd Delivery for Production	09MAR06	20	05APR06	281		0.00	22,185.00														
1408-121	Epoxy -3rd Delivery for Production	05JUN06	20	30JUN06	257		0.00	22,185.00														
1408-123	Epoxy -4th Delivery for Production	11OCT06	20	07NOV06	202		0.00	20,775.00														
1408-125	Epoxy -5th Delivery for Production	07MAR07	20	03APR07	176		0.00	20,775.00														
1408-127	Epoxy -6th Delivery for Production	23JUL07	20	17AUG07	108		0.00	20,775.00														
Clamps																						
1408-901	Submet Requisition for Type C Clamps	16JUN05	5	22JUN05	393		0.00	0.00														
1408-903	Bid and Award Type C Clamps	23JUN05	40	18AUG05	393		0.00	0.00														
1408-905	Fabr Clamps Type C for Coil c1	19AUG05	30	29SEP05	393		0.00	19,215.00														
1408-907	Fabr Clamps Type C for Coil c2	30SEP05	30	10NOV05	393		0.00	22,086.00														
1408-909	Fabr Clamps Type C for Coil c3	13MAR06	30	21APR06	299		0.00	22,185.00														
1408-911	Fabr Clamps Type C for Coil c4	18MAY06	30	29JUN06	266		0.00	22,185.00														
1408-913	Fabr Clamps Type C for Coil c5	28JUL06	30	07SEP06	243		0.00	22,185.00														
1408-915	Fabr Clamps Type C for Coil c6	25AUG06	30	05OCT06	231		0.00	21,997.00														
1408-917	Submet Requisition for Type A Clamps	01AUG05	5	05AUG05	399		0.00	0.00														

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
1406-016.9	fab trc clamps	02AUG04A	37	31AUG04A		100	24,206.00	24,206.00						
1406-016.A	fab trc lead components	01AUG04A	121*	31JAN05A		100	10,922.77	10,922.77	holner=20,machnist=80;41=\$800					
1406-016.B	write procedures, doc mit/qa plan	09JUN04A	138*	23DEC04A		100	0.00	0.00						
1406-016	Procure casting from EIO (new scope)	02FEB04A	150*	31AUG04A		100	127,387.26	127,387.26						
Testing														
1406-029	Fab New Specimen Molds	01DEC03A	107*	30APR04A		100	22,809.60	22,809.60						
1406-029.1	Design samples	01MAR04A	15	31MAR04A		100	0.00	0.00						
1406-030	Fab & Pot samples	26JAN04A	108*	28MAY04A		100	30,404.16	30,404.16						
1406-031	Prep fixtures and test equipt	03NOV03A	141	28MAY04A		100	69,061.20	69,061.20						
1406-032	Test samples	01MAR04A	65	28MAY04A		100	51,018.24	51,018.24						
1406-50	Fab Straight Tee Specimen	21JUN04A	14*	30JUN04A		100	16,692.48	16,692.48						
1406-51	VPI Tee specimen	12JUL04A	37*	31AUG04A		100	7,452.00	7,452.00						
1406-52	Ship Tee specimen to ORNL	31AUG04A	5	31AUG04A		100	637.00	637.00						
1406-54	Complete shear modulus & cyclic testing	01JUN04A	125*	30SEP04A		100	32,165.38	32,165.38						
1406-55	Fab chill plate specimens	01JUN04A	24	30JUN04A		100	12,560.20	12,560.20						
1406-56	test chill plate specimens	01AUG04A	0*	31AUG04A		100	5,961.60	5,961.60						
1406-57	fab cooling tube/chill plate assy	01AUG04A	5	31AUG04A		100	6,216.40	6,216.40						
1406-58	fab MC lead braze specimens	01AUG04A	5	29OCT04A		100	2,980.80	2,980.80						
1406-100	Single conductor torsion test	01OCT04A	41*	30NOV04A		100	6,416.80	6,416.80						
1406-200	Transverse compression at LN2	01OCT04A	58*	23DEC04A		100	2,566.72	2,566.72						
1406-210	Dogbone test @RT	01OCT04A	5	29OCT04A		100	1,283.36	1,283.36						
1406-299	Closeout cost for testing ECP-21	01OCT03A	25	30SEP04A		100	239,000.00	239,000.00						
1406-215	4 turn racetrack fatigue tests	01JAN05A	63*	31MAR05A		100	40,105.00	40,105.00	kozub=176					
1406-033	Prepare Test report	01MAR05A	10	31MAR05A		100	12,833.60	12,833.60						
"inchworm" Twisted Winding														
1406-119	Join straight sections w/2 end loops	01OCT03A	79*	30JAN04A		100	31,590.00	31,590.00						
1406-120	Wind Conductor	30JAN04A	86*	28MAY04A		100	17,884.80	17,884.80						
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	30JAN04A	0			100	0.00	0.00						
0000														
1406-0002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30SEP03A		100	0.00	0.00						
1406-0003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	831,120.00	831,120.00						
Job: 1410 MC Twisted Racetrack Fabr-CHRZANOWSKI														
Twisted Racetrack Hardware Fabrication (Chrzano)														
1406-016.0	Oversight & Supervision	01NOV04A	20	28FEB05A		100	63,337.35	63,337.35						
1406-01601	ECP-29	01OCT04A	55*	31MAR05A		100	400,000.00	400,000.00						
1403-017.D	Wind layer #1 9 turns Side b	24JAN05A	31*	28FEB05A		100	3,875.04	3,875.04						
1406-016.1	Inspect & Measure Casting	01OCT04A	20	29OCT04A		100	0.00	0.00						
1406-016.2	Install Studs	01NOV04A	5	30NOV04A		100	2,980.80	2,980.80						
1406-016.6	PPPL Fabricate TRC Chill plates	21FEB05A	12*	28FEB05A		100	1,381.02	1,381.02						

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 PMB Schedule
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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
1406-017	Instl cladding(station 2) Side A	01DEC04A	23	23DEC04A		100	5,961.60	5,961.60						
1406-017.1	Instl grnd wrap Side b	20DEC04A	37	31DEC04A		100	9,687.60	9,687.60						
1406-017.C	Position & prep 1st coil lead set Side b	01JAN05A	5	03JAN05A		100	2,384.64	2,384.64						
1406-017.F	Position Ground wrap onto winding form Side a	24JAN05A	8	28FEB05A		100	3,576.96	3,576.96						
1406-017.G	Reposition Coil Side a	28FEB05A	1	28FEB05A		100	1,192.32	1,192.32						
1406-017B	Instl cladding(station 2) Side B	03JAN05A	3	31JAN05A		100	5,961.60	5,961.60						
1406-106.3	Winding Trials (wo/ cladding)	01NOV04A	37	23DEC04A		100	11,923.20	11,923.20						
1406-01602	Oversight & Supervision	01APR05*	32	16MAY05	1,106	LOE	0.00	76,227.59						
1406-016.7	Finish TRC Chill plates	01MAR05A	5	30MAR05A		100	4,261.80	4,261.80						
1406-01608	Coil Clamps	01APR05	42	31MAY05	177		0.00	11,529.00						
1406-01609	Rework Lead Blocks	01MAR05A	10	30MAR05A		100	29,946.40	29,946.40						
1406-017.H	complete coil winding	01MAR05A	0	30MAR05A		100	35,769.60	35,769.60						
1406-017.J	Instl diag loops & chill plates	01MAR05A	10	30MAR05A		100	23,846.40	23,846.40						
1406-017.3	Cmplt Assy of twisted racetrack (Joule milestone)		0	30MAR05A		100	0.00	0.00						
1406-018	Pre-VPI Press test &Apply bag mold	11APR05*	16	28APR05	228		0.00	15,500.16						
1406-019	VPI TRC in autoclave	29APR05	12	12MAY05	228		0.00	24,442.56						
1406-019.1	Instl permanent clamps	01JUN05	9	10JUN05	213		0.00	9,538.56						
1406-019.2	Electrical & Pressure tests	13JUN05	1	13JUN05	176		0.00	1,192.32						
1406-020	Begin Testing of Twisted RT in Coil test Stand	14JUN05	0		177		0.00	0.00						
1406-021	Test Coil	14JUN05	5	20JUN05	176		0.00	30,844.24						
1406-023	Dissect Coil	21JUN05	5	27JUN05	176		0.00	5,961.60						
Straight Tee Specimen														
1406-ST1	Fab Straight Tee Specimen	01OCT04A	78	31JAN05A		100	11,923.20	11,923.20						
1406-ST2	Straight Tee VPI Prep	01JAN05A	40	28FEB05A		100	5,961.60	5,961.60						
Job: 1412 - Complete Winding Facilities-CHRZANOW														
Remaining fixtures & tooling														
1408-999	3rd winding line conductor payout sys	01NOV04A	144	23DEC04A		100	66,280.88	66,280.88						
Job: 1451 - Mod Coil Winding-CHRZANOWSKI														
Station 1 Prep casing & Install Cladding														
P1-001	Receive C1, Prep& Instl Cladding(Station 1)	24JUN05*	15	15JUL05	162		0.00	25,038.72						
P1-091	Receive C2, Prep& Instl Cladding(Station 1)	03OCT05	15	21OCT05	108		0.00	28,069.44						
P2-001	Receive A1, Prep& Instl Cladding(Station 1)	24OCT05	15	11NOV05	133		0.00	28,069.44						
P2-091	Receive C3, Prep& Instl Cladding(Station 1)	30NOV05	15	20DEC05	123		0.00	28,069.44						
P3-001	Receive A2, Prep& Instl Cladding(Station 1)	11JAN06	15	31JAN06	137		0.00	28,069.44						
P3-091	Receive C4, Prep& Instl Cladding(Station 1)	21FEB06	15	13MAR06	125		0.00	28,069.44						
P1-031	Receive B1, Prep& Instl Cladding(Station 1)	04APR06	15	24APR06	128		0.00	28,069.44						
P1-121	Receive C5, Prep& Instl Cladding(Station 1)	04MAY06	15	24MAY06	121		0.00	28,069.44						
P2-031	Receive C6, Prep& Instl Cladding(Station 1)	01JUN06	15	21JUN06	135		0.00	28,069.44						

Chrzanowski=302, Meighan=432, Raftopolous=216

 JOULE MILESTONE Q2
 3/31/05

em/tb=128; ee/tb=56;
 Hatcher=40; Gettelfinger=40; Gernhardt=40
 kearns=40; hause=40

kearns.hause=80 each

kearns.hause=80 each

EM/TB = 336 hrs

EM/TB = 336 hrs

EM/TB = 336 hrs

EM/TB = 336 hrs

EM/TB = 336 hrs

EM/TB = 336 hrs


EM/TB = 336 hrs

EM/TB = 336 hrs

EM/TB = 336 hrs

EM/TB = 336 hrs

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05						FY06						FY07						FY08						FY09						FY10					
P2-141C	Final Clamps & Warm Test (Station1) B2	28NOV06	7	06DEC06	201		0.00	10,256.40													EM//TB = 120 hrs																							
P3-051C	Final Clamps & Warm Test (Station1) A3	25JAN07	7	02FEB07	228		0.00	10,256.40													EM//TB = 120 hrs																							
P3-141C	Final Clamps & Warm Test (Station1) A4	15MAR07	7	23MAR07	200		0.00	10,256.40													EM//TB = 120 hrs																							
P1-081C	Final Clamps & Warm Test (Station1) A5	18APR07	7	26APR07	183		0.00	10,256.40													EM//TB = 120 hrs																							
P1-171C	Final Clamps & Warm Test (Station1) A6	07JUN07	7	15JUN07	155		0.00	10,256.40													EM//TB = 120 hrs																							
P2-081C	Final Clamps & Warm Test (Station1) B3	16JUL07	7	24JUL07	136		0.00	10,256.40													EM//TB = 120 hrs																							
P3-081C	Final Clamps & Warm Test (Station1) B4	04SEP07	7	12SEP07	108		0.00	10,256.40													EM//TB = 120 hrs																							
P3-171C	Final Clamps & Warm Test (Station1) B5	10OCT07	7	18OCT07	153		0.00	10,626.00													EM//TB = 120 hrs																							
P2-171C	Final Clamps & Warm Test (Station1) B6	28NOV07	7	10DEC07	125		0.00	10,626.00													EM//TB = 120 hrs																							
Station 6- Coil Test Facility																																												
P1-021	Test Coil (Coil Test Stand) C1	04NOV05	7	14NOV05	439		0.00	31,012.48													EM//TB=176,EE/TB=72,EE/SM=20,EE/EM=16,EM/EM=28,																							
P1-021.1	Complete First Mod Coil Fabrication C1		0	14NOV05	439		0.00	0.00																																				
P2-021	Test Coil (Coil Test Stand) A1	03MAR06	7	13MAR06	362		0.00	31,012.48													EM//TB=176,EE/TB=72,EE/SM=20,EE/EM=16,EM/EM=28,																							
P1-051	Test Coil (Coil Test Stand) B1	31JUL06	7	08AUG06	258		0.00	31,012.48													EM//TB=176,EE/TB=72,EE/SM=20,EE/EM=16,EM/EM=28,																							
LOE Oversight & Supervision																																												
171-040	Winding Oversight (LOE)	02MAY05*	663*	21DEC07	454		0.00	931,799.53													EA/EM Chrzanowski @ 70%=3244																							
171-041	Tech Supervision	02MAY05*	707	29FEB08	410		0.00	343,901.41													EA/EM Raftopolous @ 40%=1843																							
TITLE3W	Titel III Design-CASTING FAB & WINDING	01APR05*	751	02APR08	387		0.00	196,751.20													EM//SM (Meighan) @ 70%=2920						WILLIAMSON=908 (20%) travel=\$24k																	
143 - Modular Coil Local I&C																																												
Job: 1431 - Modular Coil Local I&C																																												
174-035	Modular Coil local I&C -Procurement	01JUN05	60	24AUG05	173		0.00	17,075.73													41=\$13.33k																							
174-037	Modular Coil local I&C -Install	08SEP05	515*	25SEP07	140		0.00	68,883.89													em//sm=172; em//tb=576																							
144 - Modular Coil Winding Facility & Fixtures																																												
Job: 1407 -Mod Coil Winding Facility-CHRZANOWSKI																																												
Oversight and Supervision																																												
1407-002	Winding Facility, Tooling, Materials Oversight	01OCT03A	186*	28MAY04A		100	165,486.00	165,486.00																																				
1407.002.2	Winding Facility, Tooling, Materials Oversight	01JUN04A	86*	30SEP04A		100	110,052.00	110,052.00																																				
1407.002.3	Winding Facility, Tooling, Materials Oversight	01OCT04A	0*	29OCT04A		100	19,169.00	19,169.00																																				
1407-002.1	Prep Winding Facility Ops Plan(reqd for TRT FRR)	01NOV04A	10	30NOV04A		100	0.00	0.00																																				
Autoclave																																												
1407-005	Domes & cylinder Fab & Deliver (PE4226)	01DEC03A	18	23DEC03A		100	20,167.42	20,167.42																																				
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	31OCT03A	18	31OCT03A		100	509.60	509.60																																				
1407-008	Remaining Autoclave components-Deliver	01OCT03A	49	31MAR04A		100	11,466.00	11,466.00																																				
1407-011	Fabricate Autoclave	01OCT03A	128*	31MAR04A		100	159,096.96	159,096.96																																				
1407-011.1	Autoclave assembly	01JUL04A	26*	06AUG04A		100	17,884.80	17,884.80																																				
1407-011.2	Rebuild vacuum pumps (2)	01AUG04A	15	31AUG04A		100	17,884.80	17,884.80																																				
1407-012	Autoclave PTP	01SEP04A	5	30SEP04A		100	8,395.20	8,395.20																																				
1407.011.3	Fab & Install vacuum lines	01AUG04A	15	31AUG04A		100	17,884.80	17,884.80																																				
1407.011.4	Instl insulation on autoclave	02AUG04A	14	31AUG04A		100	16,692.48	16,692.48																																				

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
1407.011.5	Write autoclave PTP	01JUN04A	9	31AUG04A		100	811.20	811.20						
0000														
1407-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A		100	267,550.00	267,550.00						
1407-ECP16	ecp16	01OCT03A	64*	30SEP04A		100	507,000.00	507,000.00						
Area Preparation														
1407-200	Decon TFTR test Cell Crane	26NOV03A	20	26NOV03A		N/R	17,884.80	17,884.80						
1407-202	Setup facility stations	01MAR04A	118*	28MAY04A		100	28,477.80	28,477.80						
1407-204	Build cleanrooms (2) locations	02FEB04A	128*	28MAY04A		100	90,414.50	90,414.50						
1407-204.2	Build cleanroom (1 add'l) **2nd line**	02FEB04A	171*	28MAY04A		100	31,911.00	31,911.00						
Design Activities														
1407-003	Winding Facility, Tooling, Design	01OCT03A	207*	28MAY04A		100	111,438.60	111,438.60						
1407-003.1	Facility Drawings	01JUN04A	14*	18JUN04A		100	10,140.00	10,140.00						
1407-003.2	Final Drawings for winding clamps	21JUN04A	10*	30JUN04A		100	8,112.00	8,112.00						
1407-003.3	Final Drawings -type C casting supports	12JUL04A	5*	16JUL04A		100	4,056.00	4,056.00						
1407-003.4	Final Drawings -casting to ring fixture	02AUG04A	43*	30SEP04A		100	6,489.60	6,489.60						
1407-003.5	Final Drawings -Type A casting supports	29JUL04A	24*	31AUG04A		100	6,489.60	6,489.60						
1407-003.6	Final Drawings -Type B casting supports	10AUG04A	11*	24AUG04A		100	8,112.00	8,112.00						
1407-003.7	Final Drawings -casting stud fixture	01AUG04A	0*	31AUG04A		100	2,433.60	2,433.60						
1407-003.8	Misc Drawings (ecr's etc)	01AUG04A	54*	30SEP04A		100	12,168.00	12,168.00						
1407-003.9	Electrical design support/oversight	01JUN04A	86*	31AUG04A		100	10,140.00	10,140.00						
Remaining fixtures & tooling														
1407-100	Fabricate turning fixtures and coil supports	01DEC03A	166*	28MAY04A		100	240,604.00	240,604.00						
1407-100.2	Fabr turning fixt&coil supports **2nd line**	02FEB04A	128*	28MAY04A		100	128,200.80	128,200.80						
1407-110	Fabricate Winding clamp sets (125)	01MAY04A	40	28MAY04A		100	40,351.20	40,351.20						
1407-115	Fabricate Conductor payout spool system	01MAR04A	119*	28MAY04A		100	92,288.48	92,288.48						
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	01JUN04A	65*	31AUG04A		100	13,078.00	13,078.00						
1407-128	Setup facility stations 2&5	01JUN04A	86*	30SEP04A		100	11,923.20	11,923.20						
1407-130	Misc tools & equip FY04	02FEB04A	171*	30SEP04A		100	29,692.00	29,692.00						
1407-100.3	Fab & Instl Turning Fixt 2,3&4	01JUN04A	107*	30SEP04A		100	172,481.40	172,481.40						
1407-100.4	Electr hookup turning fixtures 2,3&4	01AUG04A	64*	30SEP04A		100	7,552.44	7,552.44						
1407-110.2	Compl Fabr Winding clamp sets (100 of 400)	12JUL04A	58*	30SEP04A		100	23,834.80	23,834.80						
1407-125	Fab Type C casting supports (6) sets	02AUG04A	15	30SEP04A		100	9,538.56	9,538.56						
1407-126	Fab Type A casting supports (6) sets	02AUG04A	65*	30SEP04A		100	6,706.80	6,706.80						
1407-127	Fab Type B casting supports (6) sets	02AUG04A	65*	30SEP04A		100	2,384.64	2,384.64						
1407-135	construct cleanroom mech and electrical	01JUN04A	22*	30JUN04A		100	23,846.40	23,846.40						
1407-199	Winding Facility ACC Rvw stations 2&5		0	15OCT04A		100	0.00	0.00						
VPI Preparations														
1407-105	Anchor VPI platforms	01JUN04A	4*	30JUN04A		100	5,961.60	5,961.60						
1407-106	Instl electric to VPI platforms & cntrl panel	01AUG04A	0*	31AUG04A		100	23,846.40	23,846.40						
1407-108	Mount mixing tanks onto VPI platforms	01SEP04A	2	30SEP04A		100	2,384.64	2,384.64						

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PMB Schedule

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year						
									FY05	FY06	FY07	FY08	FY09	FY10	
Job: 1412 - Complete Winding Facilities-CHRZANOW															
Remaining fixtures & tooling															
1407-100.5	Complete Fab & Instl Turning Fixt 4	23DEC04A	15	23DEC04A		100	19,152.28	19,152.28							
1407-100.6	Complete Electr hookup turning fixtures 4	23DEC04A	15	23DEC04A		100	3,231.72	3,231.72							
1407-110.3	Compl Fabr Winding clamp sets (300 of 400)	01JAN05A	97*	28FEB05A		100	71,388.48	71,388.48	em/sm=564,em/tb=60-41=\$6						
1407-124	Fab casting to ring assy fixture station 1	01OCT04A	34	29OCT04A		100	21,004.00	21,004.00							
1407-124.5	Electrical Installations	01OCT04A	0*	29OCT04A		100	20,269.44	20,269.44							
1412-199	Complete Winding Facility ACC Review		0	31MAR05*	1,138		0.00	0.00							
1407-130.1	Misc tools & equip FY05	01OCT04A	130*	13APR05	1,129	100	27,763.16	29,820.80	41=\$ 40 k; machinist=80						
1407-126.1	Complete Fab Type A casting supports (6) sets	01OCT04A	163*	31MAR05A		100	17,735.76	17,735.76	simmons=39,horner=39						
1407-127.1	Complete Fab Type B casting supports (6) sets	01OCT04A	163*	31MAY05	1,096	90	21,270.99	33,235.92	simmons=148,horner=148						
VPI Preparations															
1407-107	Perform epoxy mixing trials with delivery sys	01NOV04A	37*	23DEC04A		100	5,961.60	5,961.60							
1407-109	Fab & assemble VPI delivery sys	01OCT04A	58*	23DEC04A		100	22,356.00	22,356.00							
Job: 1409 - Mod. Coil Test Stand-GETTELFINGER															
Test Stand															
1409-000	FY04 Oct-Mar	20OCT03A	66*	31MAR04A		100	213,546.02	213,546.02							
1409-025	Complete Design	01APR04A	0*	30APR04A		100	25,958.40	25,958.40							
1409-026	Install Electrical	01JAN04A	94*	31MAR04A		100	0.00	0.00							
1409-030	Generate I2T Reqmnts	23FEB04A	16	15MAR04A		100	0.00	0.00							
1409-032	Design I2T Protection	01APR04A	0*	30APR04A		100	6,028.00	6,028.00							
1409-034	Fabricate I2T Cards	01APR04A	42*	28MAY04A		100	15,795.00	15,795.00							
1409-036	Define N2 Election Scheme	23FEB04A	2	24FEB04A		100	0.00	0.00							
1409-038	Plan/Procure N2 Ejection Scheme	25FEB04A	14	15MAR04A		100	0.00	0.00							
1409-040	Install N2 Ejection Scheme	01MAY04A	85*	31AUG04A		100	12,740.00	12,740.00							
1409-100	Design Controls Modifications	08APR04A	37*	28MAY04A		100	46,632.00	46,632.00							
1409-110	ES&H Peer Review	05APR04A	1	05APR04A		100	0.00	0.00							
1409-120	Install Control Modifications	01MAY04A	42*	30JUN04A		100	11,923.20	11,923.20							
1409-140	Design Closed Loop LN2 System	02AUG04A	85*	30NOV04A		100	0.00	0.00							
1409-145	FDR closed loop LN2 syst	01DEC04A	1	23DEC04A		100	0.00	0.00							
1409-150	Proc Matl's/pump f/closed LN2	02AUG04A	141*	28FEB05A		100	19,182.98	19,182.98	41=\$15						
1409-155	Fab/Instl Closed Loop LN2 sys	01DEC04A	97*	25APR05	204	90	11,342.16	12,602.40	bartzak=120						
1409-029	Oversight/Supervision	01APR04A	286*	23MAY05	190	LOE	30,527.89	35,049.24	gernhardt=28,Mcbride=80; Gettelfinger=145						
1409-027	Cryo Line Installation	03MAY04A	244*	25APR05	204	60	16,682.37	27,803.94	em/tb=120; Delany=70; 41=\$ 9 k						
1409-141	Modify Cryostat for TRC	01APR05*	31*	13MAY05	190		0.00	11,923.20	em/tb=160						
1409-130	Cryostat (specimen shroud) dsrn	01APR05*	31*	13MAY05	1,064		0.00	6,416.80	Gettelfinger =40						
1409-135	Cryostat (specimen shroud) Fabr & Install	16MAY05	43	15JUL05	1,064		0.00	21,752.40	41=\$10k; em/tb=120						
1409-044	Final Design & ACC Review	16MAY05	0*	13MAY05	1,107	60	0.00	0.00							
1409-028	System Testing (planar racetrack)	02MAY05*	6	09MAY05	200		0.00	17,677.40	gettelfinger=80,em/tb=65						

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY					
									FY05	FY06	FY07	FY08	FY09	FY10
1409-160	Test Closed Loop Cooling	16MAY05	6	23MAY05	190		0.00	2,980.80						
1409-165	Closed Loop Facility Available for TRC		0	23MAY05	190		0.00	0.00						
1409-199	Closed Loop Facility Available for Production MC		0	15JUL05*	1,064		0.00	0.00						
15 - Structures														
151 - Coil Support Structure														
Job: 1501 - Structures Design- Kalish														
PDR/PBR Task List														
1501-105	Project PDR	07OCT03A	1	07OCT03A		100	0.00	0.00						
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A		100	12,360.00	12,360.00						
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A		100	6,180.00	6,180.00						
1501-117	Performance baseline review		0	18NOV03A		100	0.00	0.00						
Reqmnts, Configuration, Interfaces and PDR														
1501-125	Update drawings & models based on vendor recomm	21OCT03A	30	26NOV03A		100	10,660.50	10,660.50						
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	30SEP04A		LOE	5,407.50	5,407.50						
1501-FY05	Prelim Design Structures	22DEC05	65	30MAR06		177	0.00	93,437.13						
1501-PDR	Structures PDR		0	30MAR06		177	0.00	0.00						
1501-FD	Final Design Structures	31MAR06	65	30JUN06		177	0.00	93,437.13						
1501-FDR	Structures FDR		0	30JUN06		177	0.00	0.00						
Job: 1550 - Structures Procurement - KALISH														
1501-245	Prep Spec, Solicit Bids, and Evaluate Bids	03JUL06	65	02OCT06		177	0.00	0.00						
162-036.9	Award Coil Support Assy		0	02OCT06*		177	0.00	0.00						
162-037	WBS 151 Coil Support Assy Procurement [A/1]	03OCT06	249	01OCT07		177	0.00	1,020,858.45						
162-031	Title III engr WBS 151	03OCT06	249	01OCT07		511	0.00	160,613.56						
153.037	WBS 153 Support Structure I&C Procurement/Fab	03OCT06*	249	01OCT07		511	0.00	9,039.07						
153.015	Title III design WBS 153 local&C	03OCT06*	249	01OCT07		511	0.00	963.66						
16 - Coil Services														
161 - LN2 Distribution														
161 - LN2 Distribution														
191-001	Title I design WBS 161 LN2 manifolds&piping	02OCT06*	65	10JAN07		306	0.00	58,172.50						
191-011	Title II design WBS 161 LN2 manifolds&piping	11JAN07	60	04APR07		306	0.00	116,516.90						
191-031	Title III engr WBS 161	05APR07	280	15MAY08		356	0.00	16,656.28						
191-037	Procurement WBS 161	05APR07	130	08OCT07		306	0.00	73,391.96						
191-038	PDR#17	09OCT07*	86	15FEB08		420	0.00	62,458.88						
191-041	LN2 Manifolds & ppg Fab/assy/instrl WBS 161	09OCT07*	62	14JAN08		306	0.00	34,007.58						
191-042	PDR #17,25,3	09OCT07*	65	17JAN08		441	0.00	10,839.44						

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 PMB Schedule
 Progress Bar
 Critical Activity

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05	FY06	FY07	FY08	FY09	FY10
162 - Electrical Leads														
162 - Electrical Leads														
132-000	PDR #17 & 25	02OCT06	325	24JAN08	436		0.00	41,396.19						
132-001	Title I design WBS 162 Coil leads	02OCT06*	130	11APR07	303		0.00	153,159.10						
132-011	Title II design WBS 162 Coil leads	12APR07	130	15OCT07	303		0.00	153,686.42						
132-015	Title III design WBS 162 Coil leads	16OCT07*	60	17JAN08	441		0.00	18,540.24						
132-037	Coil Leads Procurement WBS 162	16OCT07*	60	17JAN08	303		0.00	314,856.96						
163 - Coil Protection System														
163 - Coil Protection System														
163.001	Title I design WBS 163 Coil protection	02OCT06*	65	10JAN07	656		0.00	43,149.40						
163.011	Title II design WBS 163 Coil protection	11JAN07	40	07MAR07	656		0.00	43,149.40						
17 - Cryostat and Base Support Structure														
171 - Cryostat														
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER														
0000														
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A		100	12,180.00	12,180.00						
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A		100	6,000.00	6,000.00						
151-001	Title I design WBS 171 cryostat	01APR04A	262*	19APR05	539	95	119,514.17	125,804.39						
151-002	Cryostat PDR		0	19APR05	539		0.00	0.00						
151-011	Final Design Cryostat WBS 171	02OCT06*	181	22JUN07	175		0.00	248,548.17						
171-199	Cryostat FDR		0	22JUN07	175		0.00	0.00						
Job: 1751 - Cryostat Procurement														
171 - Cryostat														
151-031	Title III engr	25JUN07	405	28JAN09	175		0.00	33,054.33						
151-036.8	Prep Spec, Solicit bids, and Select Vendor	25JUN07	65	25SEP07	175		0.00	0.00						
151-036.9	Award Cryostat Procurement		0	01OCT07*	242		0.00	0.00						
151-037	Cryostat Procurement [A/1]	02OCT07	141	25APR08	242		0.00	508,421.76						
172 - Base Support Structure														
Job:1701-Cryost&Base Sprt Strct Dsn-GETTLEFINGER														
161-001	Title I design WBS 172 base support struct	01APR04A	291*	31MAY05	396	85	42,273.30	49,733.30						
151-003	Base Support Struct PDR		0	31MAY05	396		0.00	0.00						
161-011	Final Design Base Support Structure WBS 172	01JUN05	114	09NOV05	396		0.00	62,224.79						
172-199	Base Support Structure FDR		0	09NOV05	396		0.00	0.00						
Job: 1752 - Base Support Structure Procurement														
172 - Base Support Structure														
161-031	Title III engr WBS 172	06FEB07	240	22JAN08	438		0.00	11,161.46						
161-036.8	Prep Spec, Solicit bids, and Select Vendor	06FEB07*	65	07MAY07	241		0.00	0.00						
161-036.9	Award Machine Base&supports Procurement		0	07MAY07	241		0.00	0.00						

Williamson =20; ornrm=200
 Williamson =869; ornrm=20
 Williamson=868; ornrm=20
 ORNLEM =98; em/sm=8
 41=223.6 k

Williamson =82;ornrm=80;r/rm2=80
 Williamson=82;ornrm=80;r/rm2=80

gettelfinger =488hr ; Messineo =297hr ;
 Gettelfinger =976hr ;Messineo =593hr ;

Gettelfinger =34hr ; messineo=220
 41=358.47\$K ; 35=02\$K ;

Messineo =170hr ;gettelfinger =202hr
 Messineo =170hr;Gettelfinger =202hr;

Gettelfinger =60hr ;

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05	FY06	FY07	FY08	FY09	FY10
161-037	Machine Base&supports Procurement [A/1]	08MAY07	90	13SEP07	241		0.00	303,805.05				41=238\$K ; 35=02\$K ;		
18 - Field Period Assembly														
181 - Field Period Assembly Planning/Oversight														
Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)														
0000														
1801-001	Apr-Sept MIE Costs PPPL	01APR03A	42	30SEP03A		100	7,750.00	7,750.00						
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A		100	53,050.00	53,050.00						
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	61,119.60						
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A		LOE	25,920.40	25,920.40						
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04A	249*	30SEP05	1,010	LOE	66,357.95	136,539.00						
181.222	HP Coverage in the TFTR TC LOE FY06	03OCT05*	250*	02OCT06	760		0.00	151,697.99						
181.220	HP Coverage in the TFTR TC LOE FY07	02OCT06*	250*	01OCT07	511		0.00	155,203.36						
181.221	HP Coverage in the TFTR TC LOE FY08	01OCT07*	251*	30SEP08	261		0.00	160,771.00						
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A		LOE	77,518.74	77,518.74						
181.110	PPPL EM LOE FY05	01OCT04A	249*	30SEP05	1,010	LOE	4,677.85	9,625.20						
181.120	PPPL EM LOE FY06	06MAR06*	148*	02OCT06	760		0.00	116,541.57						
181.121	PPPL EM LOE FY07	02OCT06*	249*	28SEP07	512		0.00	269,898.66						
181.122	PPPL EM LOE FY08	01OCT07*	251*	30SEP08	261		0.00	279,624.87						
182 - TFTR Test Cell Area preparations														
Job:1810 - Field Period Assembly-VIOLA														
Prep TFTR TC for Assembly operations														
SOP0-100	Clearout realestate & setup fixturing	01AUG05*	86*	30NOV05	974		0.00	0.00						
185 - Assemble Field Periods														
Job:1810 - Field Period Assembly-VIOLA														
Stage 1 VV Prep (instl diag & insul)FP#1														
S1P1-101	Receive VV and inspect	03APR06*	4	06APR06	302		0.00	8,019.84						
S1P1-102	Mount VV on VV Prep fixture (top side up)	07APR06	1	07APR06	302		0.00	1,002.48						
S1P1-103	Establish metrology setting; align VV base	10APR06	3	12APR06	302		0.00	6,014.88						
S1P1-106	Attach studs for coolant lines,insulation on top	13APR06	8	24APR06	302		0.00	16,039.68						
S1P1-107	Wind magnetic diagnostic sensors to top surface	25APR06	13	11MAY06	302		0.00	16,039.68						
S1P1-108	Install cooling/htg lines to vac vsl top surface	12MAY06	8	23MAY06	302		0.00	21,386.24						
S1P1-109	Install insulation to vac vsl to top surface	24MAY06	10	07JUN06	302		0.00	33,416.00						
S1P1-110	Flip VV to expose lower surface	08JUN06	1	08JUN06	302		0.00	2,004.96						
S1P1-112	Attach studs for coolant lines, insulation bott	09JUN06	8	20JUN06	302		0.00	16,039.68						
S1P1-113	Wind magnetic diagnostic sensors to bot surface	21JUN06	13	10JUL06	302		0.00	16,039.68						
S1P1-114	Install cooling/htg lines to vac vsl bot surface	11JUL06	8	20JUL06	302		0.00	21,386.24						
S1P1-115	Install insulation to vac vsl to bot surface	21JUL06	10	03AUG06	302		0.00	33,416.00						
S1P1-116	Prepare and transfer completed VV to holding are	04AUG06	3	08AUG06	302		0.00	6,014.88						

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year						
									FY05	FY06	FY07	FY08	FY09	FY10	
Stage 1 VV Prep (instl diag & insul)FP#2															
S1P2-101	Receive VV and inspect	02OCT06*	4	05OCT06	264		0.00	8,205.12							
S1P2-102	Mount VV on VV Prep fixture (top side up)	06OCT06	1	06OCT06	264		0.00	1,025.64							
S1P2-103	Establish metrology setting; align VV base	09OCT06	3	11OCT06	264		0.00	6,153.84							
S1P2-106	Attach studs for coolant lines, insulation on top	12OCT06	8	23OCT06	264		0.00	16,410.24							
S1P2-107	Wind magnetic diagnostic sensors to top surface	24OCT06	13	09NOV06	264		0.00	16,410.24							
S1P2-108	Install cooling/htg lines to vac vsl top surface	10NOV06	8	21NOV06	264		0.00	21,880.32							
S1P2-109	Install insulation to vac vsl to top surface	22NOV06	10	07DEC06	264		0.00	34,188.00							
S1P2-110	Flip VV to expose lower surface	08DEC06	1	08DEC06	264		0.00	2,051.28							
S1P2-112	Attach studs for coolant lines, insulation bott	11DEC06	8	20DEC06	264		0.00	16,410.24							
S1P2-113	Wind magnetic diagnostic sensors to bot surface	21DEC06	13	16JAN07	264		0.00	16,410.24							
S1P2-114	Install cooling/htg lines to vac vsl bot surface	17JAN07	8	26JAN07	264		0.00	21,880.32							
S1P2-115	Install insulation to vac vsl to bot surface	29JAN07	10	09FEB07	264		0.00	34,188.00							
S1P2-116	Prepare and transfer completed VV to holding are	12FEB07	3	14FEB07	264		0.00	6,153.84							
Stage 1 VV Prep (instl diag & insul)FP#3															
S1P3-101	Receive VV and inspect	15FEB07	4	20FEB07	264		0.00	8,205.12							
S1P3-102	Mount VV on VV Prep fixture (top side up)	21FEB07	1	21FEB07	264		0.00	1,025.64							
S1P3-103	Establish metrology setting; align VV base	22FEB07	3	26FEB07	264		0.00	6,153.84							
S1P3-106	Attach studs for coolant lines, insulation on top	27FEB07	7	07MAR07	264		0.00	14,358.96							
S1P3-107	Wind magnetic diagnostic sensors to top surface	08MAR07	13	26MAR07	264		0.00	16,410.24							
S1P3-108	Install cooling/htg lines to vac vsl top surface	27MAR07	8	05APR07	264		0.00	16,410.24							
S1P3-109	Install insulation to vac vsl to top surface	06APR07	10	19APR07	264		0.00	34,188.00							
S1P3-110	Flip VV to expose lower surface	20APR07	1	20APR07	264		0.00	2,051.28							
S1P3-112	Attach studs for coolant lines, insulation bott	23APR07	8	02MAY07	264		0.00	16,410.24							
S1P3-113	Wind magnetic diagnostic sensors to bot surface	03MAY07	13	21MAY07	264		0.00	16,410.24							
S1P3-114	Install cooling/htg lines to vac vsl bot surface	22MAY07	8	01JUN07	264		0.00	21,880.32							
S1P3-115	Install insulation to vac vsl to bot surface	04JUN07	10	15JUN07	264		0.00	34,188.00							
S1P3-116	Prepare and transfer completed VV to holding are	18JUN07	3	20JUN07	264		0.00	6,153.84							
Stage 2 MC HP Sub-assembly (bolt 3 MC together)															
S2P1-100	Assemble Mod-Coils a1.b1,c1 FP 1 left	02JAN07*	27	07FEB07	164		0.00	75,213.60							
S2P1-200	Assemble Mod-Coils a2.b2,c2 FP 1 right	08FEB07	27	16MAR07	164		0.00	75,213.60							
S2P2-100	Assemble Mod-Coils a3.b3,c3 FP 2 left	25JUL07*	27	30AUG07	136		0.00	75,213.60							
S2P2-200	Assemble Mod-Coils a4.b4,c4 FP 2 right	13SEP07	27	19OCT07	107		0.00	76,719.38							
S2P3-100	Assemble Mod-Coils a5.b5,c5 FP 3 left	19OCT07	27	26NOV07	153		0.00	77,924.00							
S2P3-200	Assemble Mod-Coils a6.b6,c6 FP 3 right	11DEC07	27	25JAN08	125		0.00	77,924.00							
Stage 3 MC Instl (rotate MC over Vsl)-FP#1															
S3P1-101	Mount VV to MC turning fixt base; metr check	09AUG06	2	10AUG06	305		0.00	4,009.92							
S3P1-102	Mount MC on turning fixt; perform metr checks	08FEB07	2	09FEB07	184		0.00	4,102.56							
S3P1-103	Rotate right MC to stand-off position&chk	12FEB07	3	14FEB07	184		0.00	6,153.84							
S3P1-104	Transfer load to crane and recheck position	15FEB07	2	16FEB07	184		0.00	4,102.56							

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
S3P1-105	Move MC turning fixt; mount MC on turning fixt	19MAR07	2	20MAR07	164		0.00	4,102.56						
S3P1-106	Rotate left MC to stand-off position and check p	21MAR07	3	23MAR07	164		0.00	6,153.84						
S3P1-107	Move left & right MC to final position & measure	26MAR07	2	27MAR07	164		0.00	4,102.56						
S3P1-108	Install shims (as reqd); ream 24 holes	28MAR07	7	05APR07	164		0.00	23,931.60						
S3P1-109	Bolt together at flange interface.	06APR07	2	09APR07	164		0.00	4,102.56						
S3P1-110	Perform final metrology position check	10APR07	2	11APR07	164		0.00	2,735.04						
S3P1-111	Secure VV to MC's using temporary supports.	12APR07	2	13APR07	164		0.00	4,102.56						
S3P1-112	Prep& xfr completed assembly to Stage 4 area	16APR07	1	16APR07	164		0.00	2,051.28						
Stage 3 MC Instl (rotate MC over Vsl)-FP#2														
S3P2-101	Mount VV to MC turning fixt base; metr check	29AUG07	2	30AUG07	136		0.00	4,102.56						
S3P2-102	Mount MC on turning fixt; perform metr checks	31AUG07	2	03SEP07	136		0.00	4,102.56						
S3P2-103	Rotate right MC to stand-off position&chk	04SEP07	3	06SEP07	136		0.00	6,153.84						
S3P2-104	Transfer load to crane and recheck position	07SEP07	2	10SEP07	136		0.00	4,102.56						
S3P2-105	Move MC turning fixt; mount MC on turning fixt	22OCT07	2	23OCT07	107		0.00	4,250.40						
S3P2-106	Rotate left MC to stand-off position and check p	24OCT07	3	26OCT07	107		0.00	6,375.60						
S3P2-107	Move left & right MC to final position & measure	29OCT07	2	30OCT07	107		0.00	4,250.40						
S3P2-108	Install shims (as reqd); ream 24 holes	31OCT07	7	08NOV07	107		0.00	24,794.00						
S3P2-109	Bolt together at flange interface.	09NOV07	2	12NOV07	107		0.00	4,250.40						
S3P2-110	Perform final metrology position check	13NOV07	2	14NOV07	107		0.00	2,833.60						
S3P2-111	Secure VV to MC's using temporary supports.	15NOV07	2	16NOV07	107		0.00	4,250.40						
S3P2-112	Prep& xfr completed assembly to Stage 4 area	19NOV07	1	19NOV07	107		0.00	2,125.20						
Stage 3 MC Instl (rotate MC over Vsl)-FP#3														
S3P3-101	Mount VV to MC turning fixt base; metr check	20NOV07	2	21NOV07	156		0.00	4,250.40						
S3P3-102	Mount MC on turning fixt; perform metr checks	27NOV07	2	28NOV07	153		0.00	4,250.40						
S3P3-103	Rotate right MC to stand-off position&chk	03DEC07	3	05DEC07	153		0.00	6,375.60						
S3P3-104	Transfer load to crane and recheck position	06DEC07	2	07DEC07	153		0.00	4,250.40						
S3P3-105	Move MC turning fixt; mount MC on turning fixt	28JAN08	2	29JAN08	125		0.00	4,250.40						
S3P3-106	Rotate left MC to stand-off position and check p	30JAN08	3	01FEB08	125		0.00	6,375.60						
S3P3-107	Move left & right MC to final position & measure	04FEB08	2	05FEB08	125		0.00	4,250.40						
S3P3-108	Install shims (as reqd); ream 24 holes	06FEB08	7	14FEB08	125		0.00	24,794.00						
S3P3-109	Bolt together at flange interface.	15FEB08	2	18FEB08	125		0.00	4,250.40						
S3P3-110	Perform final metrology position check	19FEB08	2	20FEB08	125		0.00	2,833.60						
S3P3-111	Secure VV to MC's using temporary supports.	21FEB08	2	22FEB08	125		0.00	4,250.40						
S3P3-112	Prep& xfr completed assembly to Stage 4 area	25FEB08	1	25FEB08	125		0.00	2,125.20						
Station 5 - TF HP Pre-Assy (bolt 3 TF together)														
184-100	Assemble 3 TF coils&structure -Left-Period #1	13APR07	10	26APR07	177		0.00	36,985.60						
184-105	Assemble 3 TF coils&structure -Right-Period #1	27APR07	10	10MAY07	177		0.00	36,985.60						
184-110	Assemble 3 TF coils&structure -Left-Period #2	11MAY07	10	24MAY07	253		0.00	36,985.60						
184-115	Assemble 3 TF coils&structure -Right-Period #2	25MAY07	10	08JUN07	253		0.00	36,985.60						

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
184-120	Assemble 3 TF coils&structure -Left -Period #3	11JUN07	10	22JUN07	300		0.00	36,985.60						
184-125	Assemble 3 TF coils&structure -Right -Period #3	02OCT07	10	15OCT07	231		0.00	38,318.40						
Stage 4 - Final FP Assy (Instl ports & TF's)FP#1														
S4P1-101	Mount MC/VV assembly to support frame a	17APR07	2	18APR07	164		0.00	4,102.56						
S4P1-102	Position and weld all ports to VV	19APR07	20	16MAY07	164		0.00	82,051.20						
S4P1-103	Inspect Welds	17MAY07	5	23MAY07	164		0.00	6,837.60						
S4P1-104	Assemble left TF Coil Assembly check position	24MAY07	3	29MAY07	164		0.00	8,205.12						
S4P1-105	Change platforms	30MAY07	2	31MAY07	164		0.00	4,102.56						
S4P1-106	Assemble right TF Coil Assembly chk position	01JUN07	3	05JUN07	164		0.00	8,205.12						
S4P1-107	Attach TF coils to MC's	06JUN07	3	08JUN07	164		0.00	6,153.84						
S4P1-108	Change platforms	11JUN07	2	12JUN07	164		0.00	5,470.08						
S4P1-109	Position, weld two large horizontal diag ports	13JUN07	8	22JUN07	164		0.00	16,410.24						
S4P1-110	Inspect Welds	25JUN07	1	25JUN07	164		0.00	1,367.52						
S4P1-111	Assemble external trim coils to TF Coil	18JUL07	10	31JUL07	148		0.00	20,512.80						
S4P1-112	Close up VV, bakeout 350 deg C, leak check	01AUG07	20	20AUG07	219		0.00	54,700.80						
S4P1-113	Adjust final support base interfaces	21AUG07	10	03SEP07	148		0.00	4,102.56						
S4P1-113.5	Final metrology outside & inside	04SEP07	10	17SEP07	148		0.00	0.00						
S4P1-114	Prepare Field Period for shipment	18SEP07	2	19SEP07	148		0.00	4,102.56						
S4P1-115	Transfer completed assy to C-site test cell	20SEP07	2	21SEP07	148		0.00	6,837.60						
Stage 4 - Final FP Assy (Instl ports & TF's)FP#2														
S4P2-101	Mount MC/VV assembly to support frame a	20NOV07	2	21NOV07	107		0.00	4,250.40						
S4P2-102	Position and weld all ports to VV	22NOV07	20	21DEC07	107		0.00	85,008.00						
S4P2-103	Inspect Welds	02JAN08	5	08JAN08	107		0.00	7,084.00						
S4P2-104	Assemble left TF Coil Assembly check position	09JAN08	3	11JAN08	107		0.00	8,500.80						
S4P2-105	Change platforms	14JAN08	2	15JAN08	107		0.00	4,250.40						
S4P2-106	Assemble right TF Coil Assembly chk position	16JAN08	3	18JAN08	107		0.00	8,500.80						
S4P2-107	Attach TF coils to MC's	21JAN08	3	23JAN08	107		0.00	6,375.60						
S4P2-108	Change platforms	24JAN08	2	25JAN08	107		0.00	5,667.20						
S4P2-109	Position, weld two large horizontal diag ports	28JAN08	8	06FEB08	107		0.00	17,001.60						
S4P2-110	Inspect Welds	07FEB08	1	07FEB08	107		0.00	1,416.80						
S4P2-111	Assemble external trim coils to TF Coil	21JAN08	10	01FEB08	111		0.00	21,252.00						
S4P2-112	Close up VV, bakeout 350 deg C, leak check	08FEB08	20	27FEB08	151		0.00	56,672.00						
S4P2-113	Adjust final support base interfaces	28FEB08	2	29FEB08	107		0.00	4,250.40						
S4P2-113.5	Final metrology outside & inside	03MAR08	10	14MAR08	107		0.00	0.00						
S4P2-114	Prepare Field Period for shipment	17MAR08	2	18MAR08	107		0.00	4,250.40						
S4P2-115	Transfer completed assy to C-site test cell	19MAR08	2	20MAR08	107		0.00	7,084.00						
Stage 4 - Final FP Assy (Instl ports & TF's)FP#3														
S4P3-101	Mount MC/VV assembly to support frame a	21MAR08	2	24MAR08	107		0.00	4,250.40						
S4P3-102	Position and weld all ports to VV*2 shift*	25MAR08	10	07APR08	107		0.00	85,008.00						

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05						FY06						FY07						FY08						FY09						FY10					
									BROWN						PAUL						MORRIS						FAN						SUPPORT											
1803-2.09	Safety Review documentation / presentation	15JUN05	10	28JUN05	413		0.00	2,644.00	BROWN =16hr ;																																			
1803-2.061	FDR Half Period Assy	29JUN05*	1	29JUN05	413		0.00	1,983.00	BROWN =12hr ;																																			
1803-2.10	Fab / Design Review - follow-up activities	30JUN05	10	14JUL05	1,071		0.00	6,738.00	BROWN =16hr ; PAUL =40 ;																																			
1803-2.07	Design check and sign-off	30JUN05	5	07JUL05	413		0.00	3,462.80	BROWN =16hr ; PAUL =08 ;																																			
1803-2.08A	Prep & Issue Spec,dwgs,and requisition	07JUL05	1	07JUL05	413		0.00	0.00																																				
1803-2.08	Procurement Lead Time and Award	08JUL05	55	22SEP05	413		0.00	2,644.00	BROWN =16hr ;																																			
1803-2.11	Fab MC HP Assy Fixtures (2)	23SEP05	65	03JAN06	413		0.00	29,214.46	41=10\$ each = \$20k ;																																			
1803-2.12	Fab MC MC HP Assy Metrology support stands (2)	23SEP05	65	03JAN06	413		0.00	14,607.23	41=5\$ each = \$10k ;																																			
3.00-MC Installation																																												
1803-3.01	Concept definition and requirements	25OCT04A	5	29OCT04A		100	6,610.00	6,610.00																																				
1803-3.02	MC Turning Fixture and base - model design and d	15NOV04A	48*	31JAN05A		100	1,983.00	1,983.00	BROWN =12hr ; ;																																			
1803-3.03	MC Gantry Crane - model design and drawing detai	29NOV04A	40*	31JAN05A		100	14,265.00	14,265.00	BROWN =12hr ; MORRIS =120 ;																																			
1803-3.04	VV support stand - model design and drawing deta	29NOV04A	97*	20APR05	498	85	7,521.65	8,849.00	BROWN =04hr ; MORRIS =80 ;																																			
1803-3.05	Platform - design and drawing details	01FEB05A	7	29APR05	498	80	0.00	9,179.50	BROWN =06hr ; MORRIS =80 ;																																			
1803-3.06	Metrology - sightline layout design details metr	01APR05*	11*	15APR05	508		0.00	14,798.00	BROWN =40hr ; MORRIS =80 ;																																			
1803-3.082	* DSN RVW * Turning Fixture,base&gantry crane	02MAY05*	1	02MAY05	353		0.00	1,983.00	BROWN =12hr ;																																			
1803-3.084	Industry Info Meeting	21FEB05A	1	21FEB05A		100	0.00	0.00																																				
1803-3.09	Design check and sign-off	03MAY05*	5	09MAY05	353		0.00	3,462.80	BROWN =16hr ; MORRIS =08 ;																																			
1803-3.10A	Prep & Issue Spec,dwgs,and req-turning fixt	10MAY05	1	10MAY05	353		0.00	0.00																																				
1803-3.10	Procurement lead time turning fixt,base&gantry	11MAY05	55	28JUL05	353		0.00	9,915.00	BROWN =60hr ;																																			
1803-3.15	Vendor Design MC Turning fixture & Base	29JUL05	65	27OCT05	353		0.00	66,943.85	41=50\$ for design only																																			
1803-3.15B	FDR - MC Turning fixture & Base	28OCT05	15	17NOV05	353		0.00	0.00																																				
1803-3.07	Structural / Seismic Analysis check	28OCT05*	20	28NOV05	976		0.00	29,371.20	HM FAN =160hr ;																																			
1803-3.15C	Fabricate - MC Turning fixture & Base	18NOV05*	130	31MAY06	353		0.00	96,135.00	41=65\$ for fabrication																																			
1803-3.15A	Fabricate - MC Gantry Crane	18NOV05*	130	31MAY06	353		0.00	17,748.00	41=12\$;																																			
1803-3.08	** PDR ** Platform & Support Stands	01APR05*	1	01APR05	518		0.00	991.50	BROWN =6hr ;																																			
1803-3.12	Safety Review documentation / presentation	01APR05*	10	14APR05	509		0.00	2,644.00	BROWN =16hr ;																																			
1803-3.081	** FDR ** Platform & Support Stands	02MAY05*	1	02MAY05	498		0.00	991.50	BROWN =6hr ;																																			
1803-3.110	Prep & Issue Spec,dwgs,and req-pltfm&sprts	03MAY05	1	03MAY05	498		0.00	0.00																																				
1803-3.101	Procurement lead time platforms & supports	04MAY05	55	21JUL05	498		0.00	9,915.00	BROWN =60hr ;																																			
1803-3.16	FAB - VV suprt stand & misc crane fixtures	22JUL05	70	27OCT05	498		0.00	20,021.14	41=15\$;																																			
1803-3.16A	FAB -Platform	22JUL05	70	27OCT05	498		0.00	13,347.43	41=10\$;																																			
1803-3.16B	FAB -MC Installation Metrology sprt stands	22JUL05	70	27OCT05	498		0.00	6,673.71	41=5\$;																																			
1803-3.11	Procurement Technical Rep	05JUL05*	140	26JAN06	939		0.00	26,629.66	BROWN =152hr ;																																			
1803-3.13	Fabrication - follow-up activities	05JUL05*	140	26JAN06	939		0.00	11,348.27	BROWN =40hr ; MORRIS =40 ;																																			
4.00-Final FP Assembly																																												
1803-4.01	Concept definition and requirements	01MAR05A	5	28MAR05A		100	10,704.00	10,704.00	BROWN =47hr ; MORRIS =40 ;																																			
1803-4.02	MC Support Stand - model design and drawing deta	18JUL05*	15*	05AUG05	446		0.00	14,265.00	BROWN =12hr ; MORRIS =120 ;																																			
1803-4.03	TF HP support turning fixture - model design d	08AUG05	15	26AUG05	1,020		0.00	14,265.00	BROWN =12hr ; MORRIS =120 ;																																			

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05												FY06												FY07												FY08												FY09												FY10											
1803-4.04	FP Assembly platform - model design drawing det	29AUG05	20	23SEP05	1,020		0.00	14,265.00	BROWN =12hr ; MORRIS =120 ;																																																																							
1803-4.05	VV Port Alignment/Weldment Fixture - design and	08AUG05	15	26AUG05	446		0.00	14,265.00	BROWN =12hr ; MORRIS =120 ;																																																																							
1803-4.06	Metrology - sightline layout design details metr	13JUL05*	16*	03AUG05	463		0.00	9,510.00	BROWN =08hr ; MORRIS =80 ;																																																																							
1803-4.07	Structural / Seismic Analysis check	22AUG05*	10*	02SEP05	440		0.00	13,220.00	ANALYST =80hr ;																																																																							
1803-4.08	PDR Final FP Assy	20OCT05*	1	20OCT05	407		0.00	1,468.56	BROWN =8hr ;																																																																							
1803-4.081	FDR Final FP Assy	29NOV05*	1	29NOV05	382		0.00	1,468.56	BROWN =8hr ;																																																																							
1803-4.09	Design check and sign-off	30NOV05	5	06DEC05	382		0.00	3,846.72	BROWN =16hr ; MORRIS =08 ;																																																																							
1803-4.11	Safety Review documentation / presentation	11NOV05	10	28NOV05	382		0.00	2,937.12	BROWN =16hr ;																																																																							
1803-4.12	Fabrication - follow-up activities	02MAR06	65	01JUN06	382		0.00	7,485.12	BROWN =16hr ; MORRIS =40 ;																																																																							
1803-4.10A	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	06DEC05	1	06DEC05	382		0.00	0.00																																																																								
1803-4.10	Procurement lead time	07DEC05	55	01MAR06	382		0.00	4,405.68	BROWN =24hr ;																																																																							
1803-4.13	FAB-MC Support Stands (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00	41=5\$K x 2 = \$10k ;																																																																							
1803-4.14	Fab -TF HP support and turning fixture (2)	02MAR06*	65	01JUN06	409		0.00	11,092.50	41=7.5\$K																																																																							
1803-4.15	FAB-FP Assy platforms (2)	02MAR06*	65	01JUN06	382		0.00	44,370.00	41=30\$K																																																																							
1803-4.16	FAB-MC Temporary End Supports (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00	41=5\$K x 2 = \$10k																																																																							
1803-4.17	FAB-Final FP Assy Metrology suprt stands (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00	41=5\$K x 2 = \$10k																																																																							
1803-4.18	FAB-VV Port alignment/weldment fixtures (2)	02MAR06*	65	01JUN06	382		0.00	14,790.00	41=5\$K x 2 = \$10k																																																																							
5.00-TF HP Assembly																																																																																
1803-5.001	Concept definition and requirements	02MAY05*	10*	13MAY05	454		0.00	10,704.00	BROWN =40hr ; MORRIS =40 ;																																																																							
1803-5.002	TF Rotation Fixture plus dwgs	16MAY05	68*	19AUG05	454		0.00	43,456.00	BROWN =40hr ; MORRIS =360 ;																																																																							
1803-5.003	Metrology layout/support stand dwgs	18JUL05*	10*	29JUL05	469		0.00	9,510.00	BROWN =8hr ; MORRIS =80 ;																																																																							
1803-5.004	Structural Analysis	11JUL05*	15*	29JUL05	469		0.00	13,220.00	Analyst=80hrs																																																																							
1803-5.005	PDR	22AUG05*	5	26AUG05	454		0.00	0.00	BROWN =8 ETC ONLY																																																																							
1803-5.006	FDR	19SEP05*	5	23SEP05	439		0.00	0.00	BROWN =8 ETC ONLY																																																																							
1803-5.007	Pre & Issue Specs and Dwgs	26SEP05	5	30SEP05	439		0.00	0.00																																																																								
1803-5.008	Procurement Lead Time	03OCT05	55	20DEC05	439		0.00	0.00	BROWN =24 ETC ONLY																																																																							
1803-5.009	Fabricate TF HP Assembly (1)	21DEC05	65	29MAR06	439		0.00	0.00	41=\$30ketonly																																																																							
6.00-Interface/Test Activities																																																																																
1803-5.01	Finalize TFTR test cell FPA assembly layout draw	13JUN05*	22*	13JUL05	1,062		0.00	9,066.40	BROWN =40hr ; PAUL =24 ;																																																																							
1803-5.02	Establish an assembly interface requirements doc	14JUL05*	10	27JUL05	1,062		0.00	6,610.00	BROWN =40hr ;																																																																							
1803-5.03	Design test components as needed to qualify ass	09MAY05*	24*	10JUN05	1,034		0.00	51,327.00	BROWN =40hr ; ANALYST =80hr ; PAUL =120 ; 41=15																																																																							
1803-5.04	Fab - Test Articles	13JUN05*	45	15AUG05	1,034		0.00	0.00																																																																								
1803-5.05	Metrology Validation	16AUG05	15	05SEP05	1,034		0.00	0.00																																																																								
7.00-Oversight																																																																																
1803-7.01	Meetings Prep and Reporting	01NOV04A	230*	30SEP05	1,015	LOE	50,062.26	114,037.05	BROWN =341hr ; MORRIS =238 ; PAUL =190 ; Fan=84																																																																							
1803-7.02	Develop and maintain concept definition document	01NOV04A	230*	30SEP05	1,015	LOE	4,352.69	9,915.00	BROWN =60hr ;																																																																							
1803-7.03	Develop and maintain assembly plan document	01NOV04A	230*	30SEP05	1,015	LOE	5,803.58	13,220.00	BROWN =80hr ;																																																																							
1803-7.04	Mike Cole's FY05 on-site involvement in assembly	01NOV04A	230*	30SEP05	1,015	LOE	10,887.20	24,800.00	COLE =160hr ;																																																																							

Run Date 17MAY05 10:40

 PMB Schedule
 Progress Bar
 Critical Activity

EC31

NCSX
ECP 31

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DOE Directed FY2005 Rebaseline

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05						FY06						FY07						FY08						FY09						FY10					
Tooling Design & Fabrication																																												
713A.040	General procurements	02OCT06*	498	26SEP08	263		0.00	10,473.75																																				
713A.050	Welding tools, materials & equip	02OCT06*	498	26SEP08	263		0.00	10,473.75																																				
713A.060	Instl He gas piping from NSTX to D-site tc	02OCT06*	65	10JAN07	290		0.00	44,271.00																																				
187 - Measurement Systems																																												
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS																																												
Metrology																																												
740.010	Final Design Measurement systems	19JAN04A	181*	30SEP04A		LOE	26,000.00	26,000.00																																				
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A			0.00	0.00																																				
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A			0.00	0.00																																				
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10*	30APR04A		100	171,990.00	171,990.00																																				
740.030A	Romer Arm Training	06JUL04A	3*	08JUL04A		100	0.00	0.00																																				
740.031	Metrology Software Review		0	30JAN04A			0.00	0.00																																				
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A			0.00	0.00																																				
740.045	Purchase- second Faro Arm PE005330	01OCT04A	102	29OCT04A		100	70,455.00	70,455.00																																				
1803-8	Metrology Support (moved from 1803)	01NOV04A	230*	30SEP05	1,015	LOE	44,397.39	101,133.00																																				
740.020	Facility Prep	03OCT05*	95	22FEB06			0.00	63,396.64																																				
740.035	Deliver Metrology Software	30SEP05*	1	30SEP05	1,010		0.00	0.00																																				
740.100	Romer CMM- spare probes	03OCT05*	65	11JAN06	945		0.00	4,437.00																																				
740.105	Romer CMM-Software support & warranty renewal	03OCT05*	1,010*	30SEP09	0		0.00	45,633.14																																				
740.110	Romer CMM-Laptop for 2nd arm	03OCT05*	65	11JAN06	945		0.00	5,916.00																																				
740.135	Gary Puhl subcontract for TRC analysis	21JUN05	20	19JUL05	1,062		0.00	12,810.00																																				
19 - Stellarator Core Management and Integration																																												
191 - Stellarator Core Management & Oversight																																												
Job: 1901 - Stellarator Core Mngtt&Integr-NELSON																																												
0000																																												
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A		100	187,090.00	187,090.00																																				
1901-ECP16	ecp16	01OCT03A	250*	30SEP04A		LOE	30,000.00	30,000.00																																				
191 - Stellarator Core Management & Oversight																																												
191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	250*	30SEP04A		LOE	101,500.00	101,500.00																																				
0191-5	LOE-FY05 WBS 191	01OCT04A	249*	30SEP05	1,010	LOE	86,908.95	178,825.00																																				
0191-6	LOE-FY06 WBS 191	03OCT05*	250*	02OCT06	513	LOE	0.00	194,644.18																																				
0191-6X	LOE-FY07 WBS 191	03OCT06*	247	27SEP07	513	LOE	0.00	198,175.00																																				
0191-7	LOE-FY08 WBS 191	03OCT07*	247	26SEP08	263	LOE	0.00	96,592.00																																				
191-8	LOE-FY089 WBS 191	03OCT08*	130	02APR09	129	LOE	0.00	54,784.00																																				
192 - Stellarator Core Integration & Analysis																																												
Job: 1901 - Stellarator Core Mngtt&Integr-NELSON																																												
0000																																												
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	248	30SEP03A		100	67,070.00	67,070.00																																				

Run Date 17MAY05 10:40

 PMB Schedule
 Progress Bar
 Critical Activity

EC31

NCSX
ECP 31
DOE Directed FY2005 Rebaseline

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year									
									FY05	FY06	FY07	FY08	FY09	FY10				
192 - Stellarator Core Integration & Analysis																		
192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	250*	30SEP04A		LOE	234,660.11	234,660.11										
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	250*	30SEP04A		LOE	36,676.65	36,676.65										
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	271	30SEP04A		LOE	42,333.00	42,333.00										
192-6.07	Time constant calcs using SPARK	01APR04A	42*	28MAY04A		100	6,180.00	6,180.00										
192-6.08	Indep check time constant calcs using EDDYCUFF	01MAY04A	138*	30SEP04A		100	10,295.20	10,295.20										
192-6.09	Revised VV geometry	02FEB04A	6	27FEB04A		100	3,090.00	3,090.00										
192-6.10	MC interf during assly, geometry, assly trajecto	02FEB04A	31	27FEB04A		100	32,957.60	32,957.60										
192-6.11	Range of motion reqts for Assly MC fixture.	02FEB04A	20	27FEB04A		100	17,507.60	17,507.60										
192-6.12	Final Check & Verification	01MAY04A	6	28MAY04A		100	3,708.00	3,708.00										
192-6.2	Final Mod Coil Trajectories		0	27FEB04A			0.00	0.00										
192-6.5	Structural Design criteria		0	28MAY04A		100	0.00	0.00										
192-4.1	Self consistent models/dwgs f/ Mod Coil & VV FDR		0	31MAR05*	1,138	100	0.00	0.00										
192-4.2	Self consistent models/dwgs Conv Coils&sprt strc		0	31MAR05*	1,138		0.00	0.00										
192-4.4	Stellarator Core Assy dwgs & assy sequence		0	31MAR05*	1,138		0.00	0.00										
192-5.1	VV Helium Line Models		0	31MAR05*	1,138		0.00	0.00										
192-5.2	Mod Coil LN2 Lines Layouts		0	31MAR05*	1,138		0.00	0.00										
192-5.3	Mod Coil Leads Layouts		0	31MAR05*	1,138		0.00	0.00										
192-5.4	PF Coil Leads & Services Layouts		0	31MAR05*	1,138		0.00	0.00										
192-5.5	TF Coil leads & Services Layouts		0	31MAR05*	1,138		0.00	0.00										
192-5.6	External Trim Coil Leads /services Layouts		0	31MAR05*	1,138		0.00	0.00										
192-6.3	Best fit for mod coil assy on winding measuremen		0	31MAR05*	1,138		0.00	0.00										
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	250	28APR05	1,124	95	18,206.93	19,165.19										
192-6.02	Check critical coil tolerance calculations.	01APR04A	207*	31JAN05A		100	11,098.48	11,098.48										
192-6.03	Method for determining current center	01FEB04A	234*	30DEC04A		100	86,626.35	86,626.35										
192-6.06	Coil positions to minimize islands.	02FEB04A	270	28FEB05A		100	66,401.76	66,401.76										
192-6.031	Demo Method for current center on TRC	14JUN05	40	09AUG05		1,053	0.00	84,377.71										
0192-5	LOE-FY05 WBS 192	01OCT04A	249*	30SEP05	1,010	LOE	137,058.08	282,012.50										
0192-6	LOE-FY06 WBS 192	03OCT05*	250	02OCT06	518	LOE	0.00	304,830.01										
0192-6X	LOE-FY07 WBS 192	03OCT06*	242	20SEP07	518	LOE	0.00	154,710.60										
0192-7	LOE-FY08 WBS 192	03OCT07*	242	19SEP08	268	LOE	0.00	148,147.40										
0192-99	LOE-FY09	01OCT08*	130	31MAR09	131	LOE	0.00	98,650.00										

2 - Plasma Heating, Fueling & Vac Systems

21 - Fueling Systems

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21-10	Eng. Work Planning and Design	02JAN07*	65	02APR07	233		0.00	6,439.30										
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ECP31

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
21-15	Design Gas Handling Hardware	03APR07	65	03JUL07	233		0.00	4,817.60						
21-20	Design PLC Controls	03APR07	65	03JUL07	298		0.00	10,052.80						
21-25	Electrical Drafting for pumping system	03APR07	65	03JUL07	298		0.00	13,959.60						
21-30	Drafting	03APR07	65	03JUL07	298		0.00	9,306.40						
21-35	Eng. Work Planning and Design during fab	04JUL07	65	02OCT07	298		0.00	3,683.68						
21-40	Fabrication/Install Hardware	04JUL07	65	02OCT07	233		0.00	3,617.21						
21-45	Fabrication/installation	03OCT07	65	14JAN08	233		0.00	23,039.75						
21-55	Install PLC Controls	03OCT07	65	14JAN08	233		0.00	5,207.60						
21-60	Integrated Systems Testing/Eng	03OCT07	65	14JAN08	233		0.00	3,812.20						
21-65	Integrated Systems Testing/Tech Support	15JAN08	45	17MAR08	233		0.00	2,603.80						

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

22 - Torus Vacuum Pumping Systems

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

0000								
2001-001	Apr-May MIE Cost	01APR03A	43*	30MAY03A		100	38,000.00	38,000.00
2001-100	PDR Support	01JUN03A	164*	30SEP03A		LOE	25,667.20	25,667.20

22-25	Eng. Work Planning and Design	01MAY07*	40	26JUN07	230		0.00	28,033.20
22-30	Design PLC based control system	27JUN07	50	04SEP07	270		0.00	40,211.20
22-35	Electrical Drafting for pumping system	27JUN07	50	04SEP07	290		0.00	24,429.30
22-40	Drafting	27JUN07	50	04SEP07	230		0.00	18,612.80
22-45	Eng. Work Planning and Design during fab	05SEP07	40	30OCT07	250		0.00	16,886.39
22-50	Perform maint. & repair of pmpg sys	05SEP07	40	30OCT07	230		0.00	9,826.16
22-55	Repair and Calibration of vac instrumentation	31OCT07	60	04FEB08	250		0.00	9,982.40
22-60	Fabrication/installation	31OCT07	80	03MAR08	230		0.00	122,184.00
22-65	Fab PLC conrols	31OCT07	80	03MAR08	230		0.00	65,886.40
22-70	Integrated Systems Testing/Eng	04MAR08	20	31MAR08	230		0.00	7,624.40
22-75	Integrated Systems Testing/Tech Support	04MAR08	20	31MAR08	230		0.00	5,207.60

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

25 - Neutral Beam Injection System

250 - Neutral Beam Injection System

Job: 2501 - Neutral Beam Refurbishment-STEVENSON

FY04 Work Plan								
2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A			81,334.78	81,334.78
2501-014.1	FY04 work closeout *TBD*	01JUL04A	64*	30SEP04A		LOE	48,614.06	48,614.06
0000								
2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	123,000.00	123,000.00
Refurbishment**CD-3 deleted scope								
25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A			21,384.62	21,384.62

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 PMB Schedule
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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY					
									FY05	FY06	FY07	FY08	FY09	FY10
Re-Install Beamline**CD-3 deleted scope														
25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A			2,060.33	2,060.33						
Re-Install Cables**CD-3 deleted scope														
25-225.1	Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A			4,812.60	4,812.60						
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A			727.68	727.68						
Beamline Connections**CD-3 deleted scope														
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A			2,433.60	2,433.60						
3 - Diagnostics														
31 - Magnetic Diagnostics														
Job: 3101 Magnetic Diagnostics														
Vacuum Vessel Saddle Loops														
3101-105	DEVELOP LOCATING, MOUNTING STRATEGY	01JAN05A	20	31JAN05A		100	1,000.00	1,000.00						
3101-109	INTEGRATE LOOP AND LEAD DESIGN WITH H/C TUBES	01JAN05A	40	28FEB05A		100	6,416.80	6,416.80	LABIK	=40hr				
3101-113	INTEGRATE LAYOUT, MEAS NEEDS W/ VSL METRO	01JAN05A	40	28FEB05A		100	3,208.40	3,208.40	LABIK	=20hr				
3101-117	DEVELOP CONSTRAINTS FOR ARRAY LAYOUT	01JAN05A	20	31JAN05A		100	0.00	0.00						
3101-121	LAYOUT CANDIDATE SENSOR ARRAY ON PRO-E VV	01FEB05A	20	28FEB05A		100	0.00	0.00	GORANSON					
3101-125	PDR PREP -VESSEL SADDLE LOOP MOUNTING	02MAY05	5	06MAY05		443	0.00	9,483.60	STRATTON	=20hr	LABIK	=40hr		
3101-126	PDR -VESSEL SADDLE LOOP MOUNTING		0	06MAY05		443	0.00	0.00						
3101-129	DESIGN AND PROTOTYPE SADDLE LOOP	01MAR05A	40*	25APR05		452	30	2,293.06	7,643.52	STRATTON	=08hr	LABIK	=40hr	
3101-133	Prototype loops on vsl proto segment using ARI	01MAR05A	44*	29APR05		443	25	1,547.30	6,189.20	LABIK	=20hr	DIAG TECH	=40hr	
3101-137	FINAL OPTIMIZATION OF LOOP LOCATION, AREA	01JAN05A	148*	29JUL05		445		0.00	0.00					
3101-141	FDR PREP- VESSEL SADDLE LOOPS	25JUL05	5	29JUL05		445		0.00	9,483.60	STRATTON	=20hr	LABIK	=40hr	
3101-142	FDR - VESSEL SADDLE LOOPS		0	02AUG05		443		0.00	0.00					
3101-145	PROCURE MATERIALS	03AUG05	40	27SEP05		443		0.00	30,883.90	M&S	=19\$K	LABIK	=40hr	
3101-149	PREPARE METROLOGY	03AUG05	20	30AUG05		452		0.00	6,416.80	LABIK	=40hr			
3101-153	FAB TERMINATION BOXES & CLAMPS	03AUG05	40	27SEP05		443		0.00	31,585.40	LABIK	=40hr	MACHINIST	=80hr	
3101-157	Design Tooling	03AUG05	20	30AUG05		463		0.00	20,509.60	DIAG TECH	=225hr			
3101-161	SUPT LOOP INSTL 200 LOOPS), TERMINATION, TESTING	25APR06	270*	21MAY07		264		0.00	14,580.35	LABIK	=20hr	LABIK	=40hr	=80hr oversight installation time in WBS18 job 1810
Modular Coil C-wound Loops														
3101-205	MOUNTING/LOCATING STRATEGY MC CO-WOUND	01JAN05A	20	31JAN05A		100		3,208.40	3,208.40	STRATTON	=10hr	LABIK	=20hr	
3101-209	PROTOTYPE ON TWISTED RACETRACK	01MAR05A	20	31MAR05A		100		4,741.80	4,741.80	STRATTON	=10hr	LABIK	=20hr	
3101-213	DESIGN TERMINATION	01MAR05A	44*	29APR05		212	90	3,819.15	7,302.40	LABIK	=20hr	MECH DESIGN	=40	
3101-217	FDR PREP- MC CO-WOUND LOOP	24MAY05	5	31MAY05		196		0.00	12,044.20	STRATTON	=10hr	LABIK	=40hr	
3101-218	FDR - MC CO-WOUND LOOP		0	31MAY05*		196		0.00	0.00	MECH DESIGN	=40			
3101-221	PROCURE MATERIALS	03MAY05	40	28JUN05		1,082		0.00	6,410.90	M&S	=2.5\$K	LABIK	=20hr	
3101-225	FAB TERMINATION BOXES	01JUN05	20	28JUN05		1,082		0.00	4,585.00	LABIK	=10hr	DIAG TECH	=40hr	
3101-229	SUPPORT NSTALLATION, TERMINATION, TESTING	18JUL05	533*	28AUG07		141		0.00	7,183.91	LABIK	=40hr	LABIK	=40hr	oversight installation included in MC winding job
Rogowski Coils														
3101-301	LAYOUT LOCATION ROWGOSKI COIL & EST COIL	01APR05*	20	28APR05		490		0.00	4,741.80	STRATTON	=10hr	LABIK	=20hr	

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05						FY06						FY07						FY08						FY09						FY10					
3101-305	ROWGOWSKI COIL DESIGN	03OCT05*	20	28OCT05	381		0.00	7,192.80							LABIK =40hr ;																													
3101-309	DESIGN COIL MOUNTING TECHNIQUE	31OCT05	20	29NOV05	381		0.00	7,192.80							LABIK =40hr ;																													
3101-313	DESIGN LEAD ROUTING AND TERMINATION	30NOV05	20	04JAN06	381		0.00	7,192.80							LABIK =40hr ;																													
3101-317	PDR PREP- ROWGOWSKI COIL	05JAN06	5	11JAN06	381		0.00	5,299.70							STRATTON =10hr ; LABIK =20hr ;																													
3101-318	PDR - ROWGOWSKI COIL		0	11JAN06	381		0.00	0.00							▼																													
3101-321	DETAILED DESIGN OF ROWGOWSKI COILS,	12JAN06	20	08FEB06	381		0.00	11,265.00							MECH DESIGN =20 ; LABIK =50hr ;																													
3101-325	FDR PREP ROWGOSKI COIL	09FEB06	5	15FEB06	381		0.00	7,192.80							LABIK =40hr ;																													
3101-326	FDR - ROWGOSKI COIL		0	15FEB06	381		0.00	0.00							▼																													
3101-329	FAB ROWGOWSKI COILS (2)	08JUN06	65	07SEP06	302		0.00	53,278.60							M&S =15\$K ; LABIK =80hr ; DIAG TECH =200hr ;																													
3101-333	FAB TERMINATIONS	22JUN06	20	20JUL06	302		0.00	6,938.00							LABIK =20hr ; DIAG TECH =40hr ;																													
3101-337	INSTALL COILS AND TERMINATIONS	21JUL06	227	15JUN07	264		0.00	0.00							[REDACTED]																													
TF Co-wound Loops																																												
3101-401	MOUNTING/LOCATING TECHNIQUE TF CO-WOUND	01JUL05*	20	29JUL05	427		0.00	6,275.20							STRATTON =20hr ; LABIK =20hr ;																													
3101-405	DESIGN TERMINATION	01AUG05	20	26AUG05	427		0.00	10,510.80							LABIK =40hr ; MECH DESIGN =40 ;																													
3101-409	FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	29AUG05	20	23SEP05	427		0.00	6,416.80							LABIK =40hr ;																													
3101-413	FDR PREP- TF CO-WOUND LOOPS	26SEP05	5	30SEP05	427		0.00	6,416.80							LABIK =40hr ;																													
3101-414	FDR - TF CO-WOUND LOOPS		0	30SEP05	427		0.00	0.00							▼																													
3101-417	PROCURE MATERIALS	03OCT05	20	28OCT05	427		0.00	10,991.40							M&S =05\$K ; LABIK =20hr ;																													
3101-421	FAB TERMINATIONS	31OCT05	20	29NOV05	427		0.00	8,608.80							LABIK =20hr ; DIAG TECH =60hr ;																													
3101-425	INSTALL TF CO-WOUND LOOPS	15DEC05	345	03MAY07	315		0.00	0.00							[REDACTED] installation included in TF fab job																													
3101-429	INSTALL TERMINATIONS	15DEC05	345	03MAY07	315		0.00	8,693.02							[REDACTED] LABIK =20hr ; DIAG TECH =60hr ;																													
Modular Coil Shell Saddle Loops																																												
3101-501	DETERMINE NUMEBR AND LOCATION OF LOOPS	02OCT06*	20	27OCT06	185		0.00	6,970.80							STRATTON =40hr ;																													
3101-505	MOUNTING/LOCATING TECHN MC SHELL SADDLE	30OCT06	20	28NOV06	185		0.00	7,165.00							STRATTON =20hr ; LABIK =20hr ;																													
3101-509	PROTOTYPE MC SHELL SADDLE LOOPS	29NOV06	20	03JAN07	185		0.00	5,389.00							LABIK =20hr ; DIAG TECH =20 ;																													
3101-513	PDR PREP -MC SHELL SADDLE LOOPS	04JAN07	18	29JAN07	185		0.00	5,422.30							STRATTON =10hr ; LABIK =20hr ;																													
3101-514	PDR-MC SHELL SADDLE LOOPS		0	29JAN07	185		0.00	0.00							▼																													
3101-517	DESIGN TERMINATION	30JAN07	20	26FEB07	185		0.00	6,006.20							LABIK =20hr ; MECH DESIGN =20 ;																													
3101-521	FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	27FEB07	23	29MAR07	185		0.00	7,359.20							LABIK =40hr ;																													
3101-525	FDR PREP - MC SHELL SADDLE LOOPS	30MAR07	20	26APR07	185		0.00	7,359.20							LABIK =40hr ;																													
3101-526	FDR - MC SHELL SADDLE LOOPS		0	26APR07	185		0.00	0.00							▼																													
3101-529	PROCURE MATERIALS	27APR07	20	24MAY07	185		0.00	10,604.60							M&S =05\$K ; LABIK =20hr ;																													
3101-533	INSTALL MC SHELL SADDLE LOOPS	18JUL07	203	08MAY08	111		0.00	0.00							[REDACTED]																													
3101-537	INSTALL TERMINATIONS	18JUL07	120	14JAN08	194		0.00	8,985.02							[REDACTED] LABIK =20hr ; DIAG TECH =60hr ;																													
36 - Edge and Divertor Diagnostics																																												
[REDACTED]																																												
[REDACTED]																																												
361-001	Design Visible Camera sys	04SEP07	40	29OCT07	192		0.00	12,470.31							R//RM2 =28hr ; EM//EM =40hr ;																													

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 PMB Schedule
 Progress Bar
 Critical Activity

EC31

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
361-015	Fab/Assy/Installation Visible Camera	30OCT07*	130	08MAY08	192		0.00	33,484.98						
38 - Electron Beam (EB) Mapping														
380-010	Design-Beam Probe,Fluor. Screen	12OCT07	40	10DEC07	192		0.00	47,563.70						
380-015	Fab & Install Beam probe	11DEC07*	102	08MAY08	192		0.00	262,530.00						
39 - Diagnostics Integration														
390 - Diagnostics Integration														
Job: 3901 - Diagnostics sys Integration-JOHNSON														
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A		100	0.00	0.00						
390-110	Resolve port interferences.Final port config		0	30JUN04A		100	0.00	0.00						
390-120	Update port map&revise diag port assignments		0	31MAR05*	1,138	90	0.00	0.00						
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	31MAR05*	1,138	100	0.00	0.00						
390-140	Write ICD's-Define external space for diagnostic		0	31MAR05*	1,138	50	0.00	0.00						
390-150	Write ICD's-Define space f/racks in cntrl rm		0	31MAR05*	1,138	50	0.00	0.00						
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A		100	0.00	0.00						
390-170	Develop space envelopes for SXR		0	31MAR05*	1,138	70	0.00	0.00						
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	31MAR05*	1,138		0.00	0.00						
Job: 3901 - Diagnostics sys Integration-JOHNSON														
0000														
390-001	LOE Support FY03	01APR03A	151*	30SEP03A		100	155,450.00	155,450.00						
390-010	LOE Support FY04	01OCT03A	250*	30SEP04A		LOE	65,000.00	65,000.00						
390-015	LOE Support FY05 **reduced scope	01OCT04A	249*	30SEP05	1,010	LOE	32,249.64	66,357.30						
390-020	LOE Support FY06	03OCT05*	249*	29SEP06	761		0.00	73,709.88						
4 - Electrical Power Systems														
41 - AC Power														
411 - Auxiliary AC Power Systems														
Job: 4101 - AC Power-RAMAKRISHNAN														
411 - Auxiliary AC Power Systems														
4101-100	Prepare Preliminary One line diagram	01MAR04A	173*	30SEP04A		100	8,442.00	8,442.00						
4101-100.1	Prepare Preliminary One line diagram	03OCT05*	173	13JUN06	837		0.00	1,062.59						
411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	03OCT05*	241	19SEP06	769		0.00	62,575.60						
411-2-2	Grounding-Dsn	03OCT05*	86	09FEB06	619		0.00	30,650.88						

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year						
									FY05	FY06	FY07	FY08	FY09	FY10	
411-2-4	Grounding-Procure	10FEB06*	107	12JUL06	619		0.00	7,395.00							
411-2-6	Grounding-Install	02OCT06*	43	01DEC06	520		0.00	65,513.00							
411-2-8	Grounding-Commission	04DEC06*	29	19JAN07	520		0.00	16,152.16							
411-3-2	Test Cell AC Power Distr-Dsn	03OCT05*	186	30JUN06	655		0.00	3,658.32							
411-3-2.04	Test Cell AC Power fy04	01APR04A	186*	30SEP04A	100		73,000.00	73,000.00							
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfrms)	10JUL06*	101	30NOV06	550		0.00	48,956.97							
411-3-6	Test Cell AC Power Distr-Install	10JUL06*	104	05DEC06	547		0.00	32,319.04							
411-3-8	Test Cell AC Power Distr-Commission	02OCT06*	45	05DEC06	547		0.00	32,304.32							
411-4-2	Standby Power for Cryo Sys -Dsn	01APR05	0	31MAR05	1,138		0.00	0.00							
411-4-4	Standby Power for Cryo Sys -Procure	01APR05	0	31MAR05	1,138		0.00	0.00							
411-4-6	Standby Power for Cryo Sys -Install	01APR05	0	31MAR05	1,138		0.00	0.00							
412 - Experimental AC Power Systems															
Job: 4101 - AC Power-RAMAKRISHNAN															
412 - Experimental AC Power Systems															
412-1-2	D-site Pulsed AC Power Distr-Dsn	02OCT06*	128	09APR07	236		0.00	11,734.80							
412-1-4	D-site Pulsed AC Power Distr-Procure	10APR07	125	04OCT07	236		0.00	6,928.68							
412-1-6	D-site Pulsed AC Power Distr-Install	05OCT07	40	03DEC07	236		0.00	18,390.72							
412-1-8	D-site Pulsed AC Power Distr-Commission	04DEC07	40	05FEB08	236		0.00	11,088.40							
43 - DC Systems															
431 - C-Site DC Systems															
Job: 4301 - DC Systems-RAMAKRISHNAN															
431 - C-Site DC Systems															
431-200	Condition/spare parts inventory	01OCT04A	153*	16MAY05	1,106	90	15,306.19	17,006.88							
431-210	Organize & verify documentation	01OCT04A	132*	15APR05	1,127	80	34,997.24	43,746.56							
431-215	Document status	01OCT04A	132*	15APR05	1,127	50	3,115.40	6,230.80							
431-225	Reactivate DF & PEI units	15JUN05*	32*	29JUL05	1,054		0.00	11,196.40							
431-230	Load test	01JUL05*	20	29JUL05	1,054		0.00	15,306.40							
431-240	Simulate each of 6 pwr loops in PSCAD	01APR05*	65	01JUL05	1,073		0.00	12,461.60							
431-250	c-site dc sys DGS dsn documentation	01APR05*	100	22AUG05	1,038		0.00	6,586.32							
431-260	Power loop design	01NOV04A	228*	30SEP05	1,010	35	38,004.57	108,584.48							
431-265	Fabricate bus components	01APR05*	185	22DEC05	953		0.00	16,537.03							
431-275	Power cabling & Installation	02OCT06*	121	29MAR07	492		0.00	216,284.20							
44 - Control and protection Systems															
441 - Electrical Interlocks															
Job: 4401 - Control & Protection-RAMAKRISHNAN															
441 - Electrical Interlocks															
441-095	Design Interlock sys	03OCT06*	118	27MAR07	224		0.00	32,776.00							
441-097	Install Interlock sys	28MAR07	119	13SEP07	309		0.00	29,242.40							
441-100	PLC Specification	28MAR07	85	26JUL07	224		0.00	14,118.56							

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05 FY06 FY07 FY08 FY09 FY10					
445 - Coil protection Systems														
Job: 4401 - Control & Protection-RAMAKRISHNAN														
445 - Coil Protection Systems														
445-1-2	Ground Fault Protection-Dsn	03OCT05*	82	03FEB06	656		0.00	34,408.80	VANKIRK =120hr ; Raki =120hr ;					
445-1-4	Ground Fault Protection-Procure	28NOV05*	130	06JUN06	570		0.00	26,622.00	41=18\$K ;					
445-1-6	Ground Fault Protection-Install	02OCT06*	40	28NOV06	489		0.00	23,428.48	EE//EM =40hr ; EE//SM =48hr ; EE//TB =120hr ;					
445-1-8	Ground Fault Protection-Commission	04JAN07	20	31JAN07	489		0.00	10,015.52	EE//EM =24hr ; EE//SM =24hr ; EE//TB =32hr ;					
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	272	30SEP04A			1,054.90	1,054.90						
445-2-105	Overload Protect-Write spec and approve	01DEC06*	20	05JAN07	470		0.00	14,163.20	marsala=80					
445-2-110	Overload Protect-Design	08JAN07	80	27APR07	480		0.00	76,012.00	lawson=320;elect dsn=80;ee/sm=80					
445-2-115	Overload Protect-Fabr 4 chassis 120 modls	30APR07*	79	20AUG07	480		0.00	69,498.24	marsala=120;reese=384					
445-2-120	Overload Protect-Test 4 units	21AUG07	20	18SEP07	480		0.00	24,216.00	raki=80;carson=80					
445-2-125	Overload Protect-Install & Rack wiring	19SEP07	20	16OCT07	480		0.00	46,352.02	raki=120;giblisco=192					
445-2-130	Overload Protect-Write & perform ISTP	17OCT07	20	13NOV07	480		0.00	25,088.00	raki=80;giblisco=80					
445-2-135	Overload Protect-Documentation	08JAN07*	180	19SEP07	519		0.00	25,694.40	raki=40;elect dsn=160					
445-2-140	Overload Protection&cabling design,procure instl	01DEC06*	249	27NOV07	470		0.00	145,550.00	raki=248;elect dsn=200;ee/sm=112;ee/tb=240 41=6;powers=25k					
45 - Power System Design and Integration														
451 - System Design and Interfaces														
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN														
0000														
4501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	112,340.00	112,340.00						
451 - System Design & Interfaces														
4501-100	Design Drawings	02FEB04A	193*	30SEP04A		100	19,807.80	19,807.80						
4501-110	Calculations-FY04	01MAR04A	151*	30SEP04A		100	0.00	0.00						
451-0-1	C-Site Decision	30APR04A	0	30APR04A		100	0.00	0.00						
451-7-2	FDR DC transmission-Dsn	01MAY04A	0*	28MAY04A		100	10,084.00	10,084.00						
451-7-20	FDR DC transmission		0	28MAY04A		100	0.00	0.00						
451-0-2	Develop SRD	01APR05*	21	29APR05	1,117		0.00	0.00						
451-3-2	Dwgs,asbuilts -Elect Dsn	02OCT06*	500*	30SEP08	261		0.00	166,427.78	VANKIRK 1040hr ; Raki =240hr ;					
451-2-1	CDR Power system -Dsn	01DEC04A	101*	29APR05	1,117	40	16,519.68	41,299.20	vankirk=160; raki=160					
451-2-2	PDR Power system -Dsn	01APR05*	46*	06JUN05	1,092		0.00	41,299.20	vankirk=160;raki=160					
451-2-2.1	FDR C-Site	16MAY05*	64*	15AUG05	1,043		0.00	30,974.40	VANKIRK =120hr ; Raki =120hr ;					
451-6-2	FDR C-Site -Cabling	16MAY05*	64*	15AUG05	1,043		0.00	30,974.40	VANKIRK =120hr ; Raki =120hr ;					
451-4-2	FDR AC auxiliaries & grounding-Dsn	03JUL06*	45	05SEP06	779		0.00	11,469.60	VANKIRK =40hr ; Raki =40hr ;					
451-1-2	Calculations-Dsn	01APR05*	626*	28SEP07	512		0.00	55,651.34	Raki =320hr ;design=8					
452 - Electrical Systems Support														
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN														
452 - Electrical Systems Support														
452-1-2	Diagnostics AC Power Distr-Dsn	03OCT06*	72	22JAN07	192		0.00	88,614.40	EA/DM =640hr ; Raki =80hr ;					
452-1-4	Diagnostics AC Power Distr-Procure	23JAN07	182	08OCT07	192		0.00	1,385.76	41=01\$K ;					

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
452-1-6	Diagnostics AC Power Distr-Install	09OCT07	105	13MAR08	192		0.00	82,080.00						
452-1-8	Diagnostics AC Power Distr-Commission	19MAR08	37	08MAY08	192		0.00	31,999.60						
452-2-2	Diagnostics sensor cabling-Dsn	03OCT06*	61	05JAN07	240		0.00	25,694.40						
452-2-4	Diagnostics sensor cabling-Procure	08JAN07	185	26SEP07	240		0.00	2,770.00						
452-2-6	Diagnostics sensor cabling-Install	27SEP07	65	07JAN08	240		0.00	22,791.55						
452-2-8	Diagnostics sensor cabling-Commission	08JAN08	40	03MAR08	240		0.00	6,399.92						
453 - System Testing (PTP's)														
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN														
453 - System Testing (PTP's)														
453-1-2	New Procedures	06OCT06*	90	20FEB07	345		0.00	70,408.80						
453-1-4	Preop Testing-Procure test equipt	21FEB07*	160	05OCT07	345		0.00	34,642.97						
453-1-8	Testing PTPs, ISTPs	19OCT07*	100	18MAR08	236		0.00	219,667.28						
46 - FCPC Building Modifications														
460														
Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN														
0000														
4601-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A		100	1,300.00	1,300.00						
5 - Central I&C Systems														
51 - TCP/IP Infrastructure Systems														
Job: 5801 -Central I&C Integr & Oversight-OLIARO														
51-00	FY03	01APR03A	250*	30SEP03A		LOE	11,900.00	11,900.00						
51-01	FY04 LOE support	01OCT03A	250*	30SEP04A		LOE	16,000.00	16,000.00						
51-10	Preliminary Design (Title I)	01OCT07*	45	04DEC07	239		0.00	6,825.20						
51-20	Final Network Design (Title II)	05DEC07	20	09JAN08	239		0.00	6,825.20						
51-30	Installation, Testing, Documentation (Title III)	10JAN08	120	26JUN08	239		0.00	269,040.80						
52 - Central Instrumentation & Control														
52-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	138		0.00	26,900.20						
52-20	Final Design (Title II)	06NOV07	87	17MAR08	138		0.00	66,545.70						
52-30	Installation, Testing, Documentation (Title III)	18MAR08	173	18NOV08	138		0.00	517,471.88						
53 - Data Acquisition & Facility Computing														
53-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	160		0.00	28,581.46						

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
53-20	Final Design (Title II)	06NOV07	65	14FEB08	160		0.00	56,307.90						
53-30	Coding, Configuration, Testing (Title III)	15FEB08	173	17OCT08	160		0.00	266,124.36						
54 - Facility Timing & Synchronization														
54-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	178		0.00	23,888.20						
54-20	Final Design (Title II)	06DEC07	65	13MAR08	178		0.00	27,300.80						
54-30	Installation, Testing, Documentation (Title III)	14MAR08	135	23SEP08	178		0.00	169,775.20						
55 - Real Time Plasma & Power Supply Control Sys														
55-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	238		0.00	13,650.40						
55-20	Final Design (Title II)	06DEC07	20	10JAN08	238		0.00	13,650.40						
55-30	Installation, Testing, Documentation (Title III)	11JAN08	120	27JUN08	238		0.00	134,352.40						
56 - Central Safety Interlock Systems														
56-10	Preliminary Design (Title I)	02OCT07*	87	11FEB08	183		0.00	27,300.80						
56-20	Final Design (Title II)	12FEB08	45	14APR08	183		0.00	27,300.80						
56-30	Installation, Testing, Documentation (Title III)	15APR08	108	16SEP08	183		0.00	327,335.40						
57 - Control Room Facility														
57-10		01APR05	0	31MAR05	1,138		0.00	0.00						
58 - Central I&C management and Integration														
Job: 5801 -Central I&C Integr & Oversight-OLIARO														
51-02	FY05 LOE support	01OCT04A	249	30SEP05	1,010	LOE	6,056.66	12,462.26						
6 - Facility Systems														
61 - Water Systems														
613 - Vacuum Pumping System														
613 - Vacuum Pumping System														
623.011	Design WBS 612	01NOV07*	59	01FEB08	216		0.00	24,890.40						
623.012	PDR WBS 612	17DEC07	0		245		0.00	0.00						
623.013	FDR WBS 612		0	01FEB08	216		0.00	0.00						

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Fiscal Year					
									FY05	FY06	FY07	FY08	FY09	FY10
632.021	WBS 612 Assembly/Fabrication/Installation	04FEB08	40	28MAR08	216		0.00	69,615.20						
62 - Cryogenic Systems														
621 - LN2-LHe Supply System														
621 - LN2-LHe Supply System														
631-001	Preliminary Design	02JUL07*	65	02OCT07	252		0.00	16,392.38						
631-010	Final Design**reduced scope	03OCT07	65	11JAN08	252		0.00	18,892.61						
631-020	Procurement **reduced scope	14JAN08	88	14MAY08	252		0.00	123,340.80						
631-015	Fab/Assy/Installation**reduced scope	10MAR08	65	09JUN08	252		0.00	74,417.26						
622 - LN2 Coil Cooling Supply														
622 - LN2 Coil Cooling Supply														
632-001	**deleted scope	01APR05	0	31MAR05	1,138		0.00	0.00						
623 - GN2 Cryostat Cooling System														
623 - GN2 Cryostat Cooling System														
633-001	Preliminary Design	02JUL07*	40	27AUG07	262		0.00	16,374.22						
633-020	Procurement	14NOV07	130	23MAY08	262		0.00	112,569.60						
633-010	Final Design	28AUG07	55	13NOV07	262		0.00	26,218.96						
633-015	Fab/Assy/Installation	23JAN08	88	23MAY08	262		0.00	75,053.09						
63 - Utility Systems														
640 - PFC/VV Heating & Cooling														
640.011	Design GN2, Air & Vent Systems	01OCT07*	59	01JAN08	251		0.00	34,532.00						
640.021	Assembly/Fabrication	02JAN08	40	26FEB08	251		0.00	74,767.58						
64 - PFC/VV Heating & Cooling*ELIMINATED*														
640 - PFC/VV Heating & Cooling														
650.001	Eliminated scope	01APR05	0	31MAR05	1,138		0.00	0.00						
65 - Facility Systems Integration														
612 - NB Water Cooling Systems														
Job: 6501 - Facility Systems Integration-DUDEK														
0000														
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	0	30SEP03A	100		9,380.00	9,380.00						
650 - Facility Systems Integration														
Job: 6163 - Facility Systems Support FY04														
65-03	LOE WBS 6	01OCT03A	250*	30SEP04A		LOE	15,000.00	15,000.00						

em/em=80; em/tb=288; 41=\$20.5k

EM/EM =89hr ;

EM/EM =89hr ; EA/DM =176-160=16hr ;

41=88\$ -51.4=36.6 ;

EM/EM =89hr ; EM/SM =140-116=24hr ;

EM/TB =580-170=410hr ;

EM/EM =89hr ;

41=80\$;

EM/EM =89hr ; EA/DM =80hr ;

EM/EM =89hr ; EM/TB =656hr ;

em/em=80; ea/dm=160

em/em=48; em/tb=458; 41=\$17.40k

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 PMB Schedule
 Progress Bar
 Critical Activity

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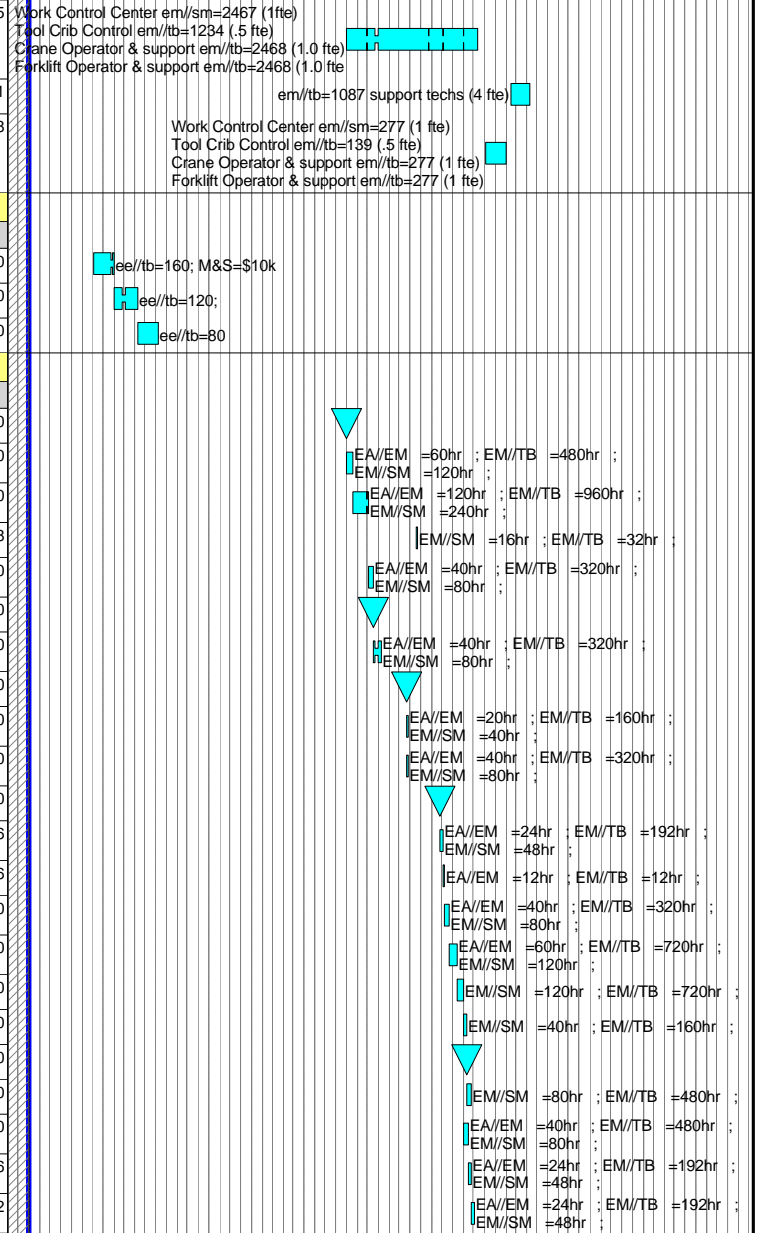
Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY									
									FY05	FY06	FY07	FY08	FY09	FY10				
7 - Test Cell Preparation and Machine Assy																		
71 - Shield Wall Seismic Modifications																		
740 - Machine Assembly Planning and Oversight																		
Job: 7101 - Shield Wall Modif Design-PERRY																		
0000																		
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	32,150.00	32,150.00										
72 - Control Room Refurbishment																		
720																		
Job: 7201 - Control Room Walls&Floors-PERRY																		
710.001	Block Wall east side control room	01APR05*	24	04MAY05	1,096		0.00	39,573.60										
711B.050	Complete Control Room Flooring	05MAY05*	18	31MAY05	1,096		0.00	8,019.12										
73 - Platform Design & Fabrication																		
730 - Test Cell & Basement Assembly Operations																		
Job: 7301 - Platform Design & Fab-PERRY																		
712.008	Update Platform Specification	02MAY05*	20	27MAY05	967		0.00	6,416.80										
712.009	Platform PDR		0	27MAY05*	967		0.00	0.00										
712.010	Final Design	31MAY05*	65	30AUG05	973		0.00	53,163.80										
711A.040	Platform nut plates	31AUG05*	65	02DEC05	967		0.00	30,387.33										
712.020	Platform Parts	02OCT06*	132	13APR07	283		0.00	25,977.42										
712.030	Miscs Hardware/Material	02OCT06*	132	13APR07	283		0.00	48,475.00										
74 - Machine Assembly Planning and Oversight																		
740 - Machine Assembly Planning and Oversight																		
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																		
Test Cell Modifications & Upgrades																		
613.030	Test Cell copper ground plane cuts	13APR05*	20	10MAY05	1,116		0.00	10,223.40										
713.010	General procurements	01APR05*	40	26MAY05	1,104		0.00	19,215.00										
7502-000	Outlet Design	02FEB04A	107*	30JUN04A		100	25,272.00	25,272.00										
7502-001	Test Cell 110v outlets	02MAY05*	20	27MAY05	1,097		0.00	16,803.20										
7502-002	Test Cell 208v outlets	02MAY05*	20	27MAY05	1,097		0.00	8,401.60										
7502-010	Ready Rooms (under control room) 110v outlets	02MAY05*	20	27MAY05	971		0.00	8,401.60										
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0*	31OCT03A		100	9,937.20	9,937.20										
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A		100	16,848.00	16,848.00										
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0*	30JAN04A		100	37,608.48	37,608.48										
741 - Planning Prior to Machine Assembly																		
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																		
Oversight and Supervision																		
711A.020	LOE FY04	01OCT03A	256*	30SEP04A		LOE	148,582.46	148,582.46										
0000																		
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	164,000.00	164,000.00										

ee/tb=320; 41=\$12k
 ee/sm Edwards= 24 hrs;
 tucker jr =36 voorhees=36

Perry=40
 PERRY=140; messineo=300
 em/tb mech shop =360 hrs; 41=\$1k
 PERRY=410; em/sm=23; em/tb=250
 41=\$35k

tucker jr. voorhees 60 each 41=\$1k
 41=\$ 15 k
 160 hrs langella
 80 hrs langella
 80 hrs langella

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05 FY06 FY07 FY08 FY09 FY10									
75 - Test Cell and Basement Assembly Operations																		
750 - Test Cell & Basement Assembly Operations																		
7501 - Construction Support Crew																		
7501-05	Construction Support Crew during machine assy	01OCT07*	260	13OCT08	164		0.00	855,212.25										
7501-06	Construction Support Crew during e-beam mapping	15JAN09*	41	12MAR09	144		0.00	99,710.51										
7501-07	Construction Support Crew during cryostat instl	06NOV08*	40	31DEC08	195		0.00	99,420.88										
7502 - Test Cell Facility Preparations																		
7502-020	Resurface TC floor	03OCT05*	42	01DEC05	884		0.00	33,625.20										
7502-030	TC Floor firesealing	02DEC05	42	07FEB06	884		0.00	14,126.40										
7502-035	Control room firesealing	08FEB06	42	06APR06	884		0.00	9,417.60										
7503 - Machine Assembly																		
Revised Assembly Logic (ecp18)																		
7503-010	Begin Assembly Activities	01OCT07*	0		164		0.00	0.00										
7503-020	Install & Level Support Base Plates	01OCT07	15	19OCT07	231		0.00	69,152.40										
7503-030	Install/Level FPA's and Spool Piece supports	22OCT07	30	04DEC07	231		0.00	138,304.80										
7503-060	Install Lower PF 4,5&6 into prelim position	18APR08	2	21APR08	154		0.00	4,830.08										
7503-070	Install 3 Spool Pieces on fixt & test movement	05DEC07	10	18DEC07	231		0.00	46,101.60										
7503-080	FPA-1 Installed on support platform		0	18DEC07	231		0.00	0.00										
7503-090	Install local Platforms around FPA-1	19DEC07	10	10JAN08	232		0.00	46,101.60										
7503-110	FPA-2 Installed on support platform		0	20MAR08	171		0.00	0.00										
7503-120	Test movement of FPA-1& -2 & position checks.	21MAR08	5	27MAR08	171		0.00	23,050.80										
7503-130	Install local Platforms around FPA-2	21MAR08	3	25MAR08	179		0.00	46,101.60										
7503-150	FPA-3 Installed on support platform		0	25JUN08	107		0.00	0.00										
7503-160	Position all FPA's / Spool Pieces @ MC Interface	26JUN08	6	03JUL08	107		0.00	27,660.96										
7503-170	FPA Metrology Checks to Assure Alignment	04JUL08	3	08JUL08	107		0.00	3,397.56										
7503-190	Install local Platforms around FPA-3	09JUL08	10	22JUL08	107		0.00	46,101.60										
7503-180	MC Interfaces: shim, ream holes ,bolt together	23JUL08	15	12AUG08	107		0.00	90,404.40										
7503-200	Mate-up and weld all VV-to-Spool interfaces	13AUG08	15	02SEP08	107		0.00	78,729.60										
7503-240	Bolt on preassembled pump duct	03SEP08	5	09SEP08	107		0.00	19,159.20										
7503-250	Begin Vac Vsl Pumpdown	10SEP08	0		114		0.00	0.00										
7503-260	PTP Pumpdown & leak check VV	10SEP08	10	23SEP08	114		0.00	52,486.40										
7503-210	Fit-up all TF coils	03SEP08	10	16SEP08	107		0.00	60,269.60										
7503-270	Raise lower PF 4,5&6 coils into final position	17SEP08	6	24SEP08	107		0.00	27,660.96										
7503-280	Install Upper PF 4,5 & 6 coils	25SEP08	6	02OCT08	107		0.00	27,992.32										



Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	FY05						FY06						FY07						FY08						FY09						FY10					
Job: 8102 - NCSX MIE Management ORNL-LYON																																												
FY04 Actual Cost																																												
810.102	Project Management Office ORNL FY04	01OCT03A	256*	30SEP04A		LOE	88,000.00	88,000.00																																				
0000																																												
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A		100	58,600.00	58,600.00																																				
810.103	Project Management Office ORNL FY05	01OCT04A	251*	30SEP05	1,015	LOE	46,349.33	95,368.98																																				
810.104	Project Management Office ORNL FY06	03OCT05*	250*	29SEP06	514		0.00	57,354.87																																				
810.104X	Project Management Office ORNL FY07	02OCT06	251*	28SEP07	514		0.00	50,514.32																																				
810.105X	Project Management Office ORNL FY08	02OCT07*	251*	29SEP08	262		0.00	36,664.00																																				
820 - Project Engineering																																												
Job: 8101 - Project Management & Control-NEILSON																																												
FY04 Actual Cost																																												
M-0110	CD-2		0	03FEB04A			0.00	0.00																																				
M-0115	CD-3		0	16SEP04A			0.00	0.00																																				
82 - Project Engineering																																												
820 - Project Engineering																																												
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN																																												
FY04 Actual Cost																																												
820.002	LOE FY04	01OCT03A	256*	30SEP04A		LOE	601,555.68	601,555.68																																				
8202-ECP16	eCP16	01OCT03A	256*	30SEP04A		LOE	68,000.00	68,000.00																																				
0000																																												
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	295,530.00	295,530.00																																				
820.003	Proj engr FY05	01OCT04A	251*	30SEP05	1,015	LOE	252,912.67	469,631.02																																				
820.004	Proj engr FY06	03OCT05*	250*	29SEP06	765		0.00	419,347.10																																				
820.04X	Proj engr FY07	02OCT06*	248*	25SEP07	517		0.00	251,952.55																																				
820.004Z	Proj engr FY08	02OCT07*	249*	25SEP08	264		0.00	260,851.29																																				
820.005	Proj engr FY09	01OCT08*	173*	29MAY09	88		0.00	110,058.44																																				
8205FY05	System Engr Support FY05	01OCT04A	251*	30SEP05	1,015	LOE	97,016.29	199,622.00																																				
8205FY06	Systems Engineering Support FY06	03OCT05*	250*	29SEP06	765		0.00	158,420.91																																				
Job: 8203 - Design Integration-BROWN																																												
FY04 Actual Cost																																												
820.200	LOE FY04	01OCT03A	256*	30SEP04A		LOE	247,570.20	247,570.20																																				
8203-ECP16	eCP16	01OCT03A	256*	30SEP04A		LOE	125,000.00	125,000.00																																				
0000																																												
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	178,750.00	178,750.00																																				
8203FY05	Design Integration FY05 LOE	01OCT04A	251*	30SEP05	1,015		92,371.85	171,028.50																																				

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Schedule					
									FY05	FY06	FY07	FY08	FY09	FY10
8203-01	General Design Integration	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00						
8203-02	Suprt interface aux sys dev&coolant/lead routing	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00						
8203-03	Develop /maintain Pro/E model of NCSX facility	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00						
8203-04	Support metrology efforts	01OCT04A	251*	30SEP05	1,015	LOE	0.00	0.00						
8203-06	Complt rvw of machine assembly approach	01APR05*	4	06APR05	1,140		0.00	0.00						
8203-07	Rvw cryostat & conventional magnet sys design	01APR05*	9	13APR05	1,135		0.00	0.00						
8203-08	tollerance reqmnts for MCsuprt install fixt dwgs	01APR05*	39	25MAY05	1,105		0.00	0.00						
8203-09	Machine suprt dsn f/compatibility with assy reqt	01APR05*	12	18APR05	1,132		0.00	0.00						
8203-10	Dynamic simul MC half period install fixt w/ Pro	01APR05*	42	31MAY05	1,102		0.00	0.00						
8203-11	Document NCSX Interlink& dwg control process	01APR05*	11	15APR05	1,133		0.00	0.00						
8203-12	Update definition VV spool piece assy simul	01APR05*	19	27APR05	1,125		0.00	0.00						
8203FY06	Design Integration FY06	03OCT05*	250*	29SEP06	765		0.00	256,544.01						
8203FY07	Design Integration FY07	02OCT06*	252*	01OCT07	513		0.00	137,444.25						
Job: 8204 - Systems Analysis-BROOKS														
FY04 Actual Cost														
820.174	LOE FY04	01OCT03A	172*	30SEP04A		LOE	133,179.00	133,179.00						
8204.01	Assess magnetic material in test cell	02FEB04A	85*	28MAY04A		100	37,080.00	37,080.00						
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A		100	18,540.00	18,540.00						
0000														
820.173	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	44,620.00	44,620.00						
8204FY05	Systems Analysis FY05	01OCT04A	251*	30SEP05	1,015	LOE	124,723.76	256,633.25						
8204FY06	Systems Analysis FY06	03OCT05*	250*	29SEP06	765		0.00	110,876.28						
Job: 8205 - Dimensional Control Coordination														
METFY05	Dimensional control FY05 ECP24	01FEB05A	172*	30SEP05	1,015		24,162.21	96,648.84						
METFY06R	Metrology for FP & machine assy FY06	03OCT05*	250*	29SEP06	765		0.00	76,181.55						
METFY07R	Metrology for FP & machine assy FY07	03OCT06*	251*	01OCT07	513		0.00	78,268.30						
METFY08R	Metrology for FP & machine assy FY08	03OCT07*	250*	29SEP08	262		0.00	80,750.70						
84 - Project Physics														
840 - Project Physics														
Job: 8401 - Project Phycis-ZARNSTORFF														
FY04 Actual Cost														
840.202	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A		LOE	99,806.20	99,806.20						
840.203	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A		LOE	14,000.00	14,000.00						
0000														
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	210,270.00	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	60,876.00						
840.303	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A		LOE	44,000.00	44,000.00						

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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	ECP-31 Budget	Schedule					
									FY05	FY06	FY07	FY08	FY09	FY10
0000														
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A		100	40,980.00	40,980.00						
85 - Integrated Systems Testing														
920.001	Procedure and Document Preparation	14JAN08*	250	31DEC08		107	0.00	482,673.79						
920.000	Startup Personnel	25NOV08	72	04MAR09		107	0.00	706,501.81						
920.004	Begin Start-up Testing	15JAN09	0			107	0.00	0.00						
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	25NOV08	37	14JAN09		107	0.00	0.00						
920.010	Field Coil Testings,FCPC test & E-Beam Mapping	15JAN09	25	18FEB09		107	0.00	0.00						
920.020	Final ISTEP	19FEB09	7	27FEB09		107	0.00	0.00						
920.021	Operations Approval	02MAR09	3	04MAR09		107	0.00	0.00						
730.9000	First Plasma		0	04MAR09		107	0.00	0.00						
M-0120	CD-4 First Plasma		0	31JUL09*		0	0.00	0.00						
Allocations														
PPPL Allocations														
PPPL Allocations														
Job: 8998 - Allocations														
FY04 Actual Cost														
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A		LOE	260,691.00	260,691.00						
0000														
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A		100	112,000.00	112,000.00						
99.05	PPPL Allocations FY05	01OCT04A	251*	30SEP05	1,015	LOE	147,110.74	302,697.00						
99.05P	PPPL Allocations FY05 rebaeline re-estimate	01OCT04A	251*	30SEP05	1,015	LOE	23,401.77	48,151.80						
99.06	PPPL Allocations FY06	03OCT05*	250*	29SEP06	765		0.00	340,474.80						
99.07	PPPL Allocations FY07	02OCT06*	252*	01OCT07	513		0.00	341,437.41						
99.08	PPPL Allocations FY08	01OCT07*	252*	29SEP08	262		0.00	171,438.96						
Contingency														
Contingency														
Contingency														
Contingency-Project														
99.105	Contingency FY05	01SEP05*	21*	29SEP05	1,016		0.00	900,618.28						
99.106	Contingency FY06	03OCT05*	250*	29SEP06	765		0.00	3,840,034.17						
99.107	Contingency FY07	02OCT06*	251*	28SEP07	514		0.00	3,472,486.73						
99.108	Contingency FY08	01OCT07*	253*	30SEP08	261		0.00	3,041,608.34						
99.109	Contingency FY09	01OCT08*	261*	30SEP09	0		0.00	1,549,172.89						

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54=92.77

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