

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	FY04					FY05										
											S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>1 - Stellarator Core Systems</b>																										
<b>11 - In-Vessel Components</b>																										
<b>Job: 1101 - Limiter Adv Conc/Prel Dsn-GORANSON</b>																										
<b>FY03 Actual Cost</b>																										
1101-100	Update Conceptual Design	15JUL03A	15JUL03A	30SEP03A	30SEP03A		100	60.00	60.00	0.00																
<b>12 - Vacuum Vessel Systems</b>																										
<b>Job: 1201 - Vacuum Vessel Prelim Dsn-GORANSON</b>																										
<b>FY03 Actual Cost</b>																										
1201-002	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	319,050.00	319,050.00	0.00																
1201-003	Apr-MSept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	105,370.00	105,370.00	0.00																
1201-500	WBS 12 & 14 PDR			07OCT03A	07OCT03A			0.00	0.00	0.00																
<b>Job: 1202 - Vacuum Vessel R&amp;D - VIOLA</b>																										
<b>FY03 Actual Cost</b>																										
1202-002	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	60.00	60.00	0.00																
1202-003	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	128,340.00	128,340.00	0.00																
<b>Vessel Weld Joint R&amp;D</b>																										
1203-405	Field Weld joint design and Specific spool piece	01DEC03A	01DEC03A	26FEB04	02APR04	216	95	36,676.65	38,607.00	-1,930.35																
1202-690	Purchase Spool piece	27FEB04*	27FEB04A	22APR04				0.00	0.00	0.00																
1202-700	Machine pipe	23APR04*	05APR04*	06MAY04	16APR04	215		0.00	8,424.00	0.00																
1202-702	Machine Flanges	07MAY04	19APR04	20MAY04	30APR04	215		0.00	8,424.00	0.00																
1202-704	Weld Flanges	21MAY04	03MAY04	04JUN04	14MAY04	215		0.00	8,424.00	0.00																
1202-705	Prep weld & test procedure	14MAY04	26APR04	04JUN04	14MAY04	215		0.00	0.00	0.00																
1202-706	Perform Test Welds	07JUN04	17MAY04	18JUN04	28MAY04	215		0.00	8,424.00	0.00																
1202-708	Install Thermocouples	21JUN04	01JUN04	21JUN04	01JUN04	215		0.00	842.40	0.00																
1202-709	Measure Distortion & temp on backside weld	22JUN04	02JUN04	06JUL04	15JUN04	215		0.00	21,280.00	0.00																
1202-710	Prepare Report	07JUL04	16JUN04	12JUL04	21JUN04	215		0.00	3,214.00	0.00																
1202-711	Supervision/QA	23APR04	05APR04	12JUL04	21JUN04	215		0.00	60,196.80	0.00																
<b>VV Subcontractor Oversight</b>																										
1202-400	Oversight and Contract Management	01OCT03A	01OCT03A	02JAN04A	02JAN04A		LOE	62,738.00	62,738.00	0.00																
1202-401	Oversight and Contract Management	05JAN04A	05JAN04A	31MAR04	31MAR04A		LOE	48,687.50	48,687.50	0.00																
1202-402	Oversight and Contract Management	01APR04*	01APR04*	30JUL04	30JUL04	1,302	LOE	0.00	18,572.50	0.00																
<b>Major Tool Subcontract (S04344F)</b>																										
1202-303	MT-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	02JUN03A	13JUN03A	13JUN03A		100	17,153.60	17,153.60	0.00																
1202-305	MT-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	13JUN03A	27JUN03A	27JUN03A		100	10,050.56	10,050.56	0.00																
1202-310	MT-Incorp Comments & Reissue MIT/QA Plan (3.2.1)	10JUL03A	10JUL03A	17JUL03A	17JUL03A		100	0.00	0.00	0.00																
1202-315	Finalize SOW/contract & Release MT for PVVS Fab	18JUL03A	18JUL03A	15AUG03A	15AUG03A		100	0.00	0.00	0.00																

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	FY04		FY05																						
											S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
											Gantt chart area with activity bars and annotations																								
1202-320	MT-PPPL Fabrication Release			15AUG03A	15AUG03A		100	0.00	0.00	0.00																									
1202-324	MT-PVVS Begin Fabrication (3.2.2)	18AUG03A	18AUG03A	30SEP03A	30SEP03A		100	368,464.16	368,464.16	0.00																									
1202-325	MT-PVVS Complete Fabrication (3.2.2) [A/ 1]	10NOV03A	10NOV03A	17MAR04	14APR04	197	98	285,245.29	290,115.28	-4,869.99																									
1202-325.1	Major Tool VVSA Prototype Received			17MAR04	14APR04	198		0.00	0.00	0.00																									
1202-325A	Vist MT for welding	02FEB04*	01APR04*	04FEB04	05APR04	1,403		0.00	2,584.00	-2,584.00																									
1202-326	Prep Inspection Plan for MT PVVS		08APR04		14APR04	193		0.00	0.00	0.00																									
1202-327	PPPL Receipt Inspection of MT PVVS	18MAR04	15APR04	31MAR04	28APR04	193		0.00	14,148.00	-14,148.00																									
1202-328	Prep Inspection Report of MT PVVS		29APR04		05MAY04	193		0.00	0.00	0.00																									
1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	27MAY04	15JUN04	23JUN04	12JUL04	185		0.00	6,370.00	0.00																									
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	27MAY04	15JUN04	23JUN04	12JUL04	185		0.00	6,370.00	0.00																									
1202-335.1	Major Tool VVSA Price Proposal Received			23JUN04	12JUL04	186		0.00	0.00	0.00																									
<b>Rohwedder Subcontract (S04345F)</b>																																			
1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	02JUN03A	13JUN03A	13JUN03A		100	71,888.08	71,888.08	0.00																									
1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	13JUN03A	27JUN03A	27JUN03A		100	19,352.16	19,352.16	0.00																									
1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	10JUL03A	10JUL03A	17JUL03A	17JUL03A		100	0.00	0.00	0.00																									
1202-415	Finalize SOW/contract & Release MT for PVVS Fab	18JUL03A	18JUL03A	15AUG03A	15AUG03A		100	0.00	0.00	0.00																									
1202-420	RW-PPPL Fabrication Release			15AUG03A	15AUG03A		100	0.00	0.00	0.00																									
1202-424	RW-PVVS Begin Fabrication (3.2.2)	18AUG03A	18AUG03A	30SEP03A	30SEP03A		100	143,280.88	143,280.88	0.00																									
1202-425.1	Rohwedder VVSA Prototype Received			17MAR04	30APR04	186		0.00	0.00	0.00																									
1202-435.1	Rohwedder VVSA Price Proposal Received			23JUN04	12JUL04	186		0.00	0.00	0.00																									
1202-424A	RW identify fabricator	01DEC03A	01DEC03A	15DEC03A	15DEC03A		100	0.00	0.00	0.00																									
1202-424B	PPPL approve new fabricator	16DEC03A	16DEC03A	31DEC03A	31DEC03A		100	0.00	0.00	0.00																									
1202-424C	PPPL review fabricator QA	02FEB04*	01APR04*	27FEB04	31MAR04	1,406	?	0.00	0.00	0.00																									
1202-424D	PPPL visit fabricator (Jan)	02FEB04*	01JAN04A	03FEB04	30JAN04A		100	0.00	0.00	0.00																									
1202-424E	PPPL visit fabricator (Feb)	16FEB04*	01MAR04A	17FEB04	31MAR04A		100	0.00	0.00	0.00																									
1202-425	RW-PVVS Complete Fabrication (3.2.2)	01OCT03A	01OCT03A	17MAR04	30APR04	185	74*	105,531.15	183,532.44	-78,001.29																									
1202-426	Prep Inspection Plan for RW PVVS		26APR04		30APR04	181		0.00	0.00	0.00																									
1202-427	PPPL Receipt Inspection of RW PVVS	18MAR04	03MAY04	31MAR04	14MAY04	181		0.00	14,148.00	-14,148.00																									
1202-428	Prep Inspection Report of RW PVVS		17MAY04		21MAY04	181		0.00	0.00	0.00																									
1202-430	RW-Final MIT/QA plans for VVSA (3.3.1)	27MAY04	15JUN04	23JUN04	12JUL04	185		0.00	23,709.14	0.00																									
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	27MAY04	15JUN04	23JUN04	12JUL04	185		0.00	15,122.38	0.00																									
<b>Job: 1203 - Vacuum Vessel Final Dsn-GORANSON</b>																																			
<b>Closeout PDR Design Deliverables</b>																																			
1203-101	Prepare documents for PDR closeout	03NOV03A	03NOV03A	30JAN04A	30JAN04A		100	7,721.40	7,721.40	0.00																									
1203-111	Response to chits, prepare FY04 WP/WAF/Checklist	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	7,721.40	7,721.40	0.00																									

Run Date 14APR04 10:15

Legend:  
█ current schedule  
█ xECP5 Baseline  
█ Progress Bar  
█ Critical Activity

0403

**NCSX  
ECP5 Baseline**

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**STATUS THROUGH  
APRIL 1, 2004**

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04						FY05																			
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
1203-121	Review, revise, and approve SRD	01NOV03A	01NOV03A	15MAR04	15APR04	1,400	90	6,949.26	7,721.40	-772.14	Goranson=60hr																									
1203-131	Complete preliminary design of insulation and he	10NOV03A	10NOV03A	30APR04	31MAR04A		100	11,582.10	11,582.10	2,088.57	ORNL Design=30hr;Goranson=60																									
<b>PDR Recommendations</b>																																				
1203-400	350c Bakeout Study	03NOV03A	03NOV03A	31DEC03A	31DEC03A		100	25,738.00	25,738.00	0.00	Goranson=200hr;																									
1203-401	Analysis & testing of tube attachment method	01DEC03A	01DEC03A	31DEC03A	31DEC03A		100	0.00	0.00	0.00																										
1203-402	Determine thermal expansion vv to mcc clearance	01NOV03A	01NOV03A	31DEC03A	31DEC03A		100	0.00	0.00	0.00																										
1203-403	Determine cost of fabrication	01DEC03A	01DEC03A	31DEC03A	31DEC03A		100	0.00	0.00	0.00																										
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT			31DEC03A	31DEC03A		100	0.00	0.00	0.00																										
<b>Final Design Tasks</b>																																				
121-000	Evaluate port ext & welding**PDR #10 & 11 & 24	01JUL04*	01JUL04*	28FEB05	28FEB05	1,161		0.00	11,973.12	0.00	ornlem=88hrs																									
1203-141	Finalize Spec for VVSA	16FEB04*	01MAR04A	23APR04	23APR04	195	80	14,454.08	18,067.60	2,529.46	Goranson=40hr;Viola=80																									
1203-151	Update VVSA Drawings	01DEC03A	01DEC03A	23APR04	23APR04	195	75	95,552.33	127,403.10	-10,616.92	ORNL Design=870hr;Goranson=120																									
1203-161	Finalize & Sign All ICDs	17NOV03A	17NOV03A	26FEB04	23APR04	193	25	3,860.70	15,442.80	-11,582.10	Goranson=120hr																									
1203-181	Start Thermal Analyses	01NOV03A	01NOV03A	30JAN04A	30JAN04A		100	23,012.76	23,012.76	0.00																										
1203-191	Start Eddy Current Analyses	03NOV03A	03NOV03A	30JAN04A	30JAN04A		100	3,536.05	3,536.05	0.00																										
1203-202	Start Port Nozzle Analysis	02JAN04A	02JAN04A	30JAN04A	30JAN04A		100	5,142.40	5,142.40	0.00																										
1203-232	Structural Analysis of Vac Vsl	02FEB04	01MAR04A	30APR04	30APR04	195	30	23,140.80	77,136.00	-27,887.63	Dahlgren=480																									
1203-233	Check structural analysis	03MAY04	03MAY04	14MAY04	14MAY04	195		0.00	12,638.08	0.00	Titus=80																									
1203-234	Perform Global Seismic Analysis	01MAR04*	01MAR04A	09APR04	30APR04	205	30	11,374.27	37,914.24	-17,693.31	titus=240																									
1203-235	Perform Local Thermal Analysis	02MAR04*	02FEB04A	29MAR04	12APR04	219	95	14,670.66	15,442.80	-772.14	Freudenberg=120																									
1203-236	Check Local Thermal Analysis	30MAR04	02FEB04A	26APR04	12APR04	219	95	14,670.66	15,442.80	13,126.38	Goranson=120																									
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	01MAR04*	02FEB04A	26MAR04	12APR04	219	95	9,780.44	10,295.20	-514.76	Goranson=80																									
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	29MAR04	02FEB04A	23APR04	12APR04	219	95	12,213.20	12,856.00	10,284.80	Kalish=80																									
1203-239	Perform Analysis of VV Supports	30MAR04*	01MAR04A	26APR04	26APR04	199	90	9,265.68	10,295.20	8,236.16	Freudenberg=80																									
1203-240	Check Analysis of VV Supports	27APR04	27APR04	10MAY04	10MAY04	199		0.00	5,147.60	0.00	Goranson=40																									
1203-201	Update/Perform FMECA Analyses	02FEB04*	01MAR04A	01APR04	19APR04	194	75	3,860.70	5,147.60	-1,169.91	goranson=40																									
1203-241	Check FMECA Analyses	02APR04*	20APR04*	29APR04	17MAY04	194		0.00	0.00	0.00	Reiersen																									
1203-261	Provide Input to FP assy, Install & Startup Plan	01OCT03A	01OCT03A	31MAR04	30APR04	1,379	85	10,938.65	12,869.00	-1,930.35	Goranson=100hr																									
1203-291	Update Design Basis Document	21APR04*	26APR04*	18MAY04	18MAY04	193		0.00	2,059.04	0.00	Goranson=16hr																									
1203-301	Update Cost and Schedule Estimates	21APR04*	21APR04*	18MAY04	18MAY04	193		0.00	3,088.56	0.00	Goranson=24hr																									
1203-321	Assemble FDR Drawing Package, Check & Promote	01APR04*	01APR04*	14MAY04	14MAY04	195		0.00	4,118.08	0.00	Goranson=32hr																									
1203-331	Prepare Presentations	26APR04*	26APR04*	14MAY04	14MAY04	195		0.00	12,869.00	0.00	Goranson=100hr																									
125-001	Title I design WBS 125 local I&C	22MAR04*	01APR04*	19MAY04	01JUN04	184		0.00	10,192.25	-1,896.23	ORNLEM =79hr ;																									
1203-341	Conduct VVSA FDR			19MAY04	01JUN04	184		0.00	0.00	0.00	PEP Date = July 2004																									
1203-311	Prepare Final Design ECP	20MAY04*	02JUN04*	03JUN04	15JUN04	1,358		0.00	3,088.56	0.00	Goranson=24hr																									
1203-361	Final Design of Insulation and Heating/Cooling	03NOV03A	03NOV03A	28FEB05	28FEB05	265	30	9,336.46	31,127.06	-389.02	Goranson=232hr																									

Run Date 14APR04 10:15

current schedule  
 xECP5 Baseline  
 Progress Bar  
 Critical Activity

0403

## NCSX ECP5 Baseline

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## STATUS THROUGH APRIL 1, 2004

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl't	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04						FY05																			
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
1203-271	Develop Assembly & Installation Procedures	01JUL04*	01JUL04*	28FEB05	28FEB05	265		0.00	44,133.45	0.00	dahlgren=120hr																									
122-011	Title II design WBS 122 Thermal insulation	01JUL04*	01JUL04*	28FEB05	28FEB05	265		0.00	42,921.58	0.00	EA/EM =20hr																									
124-011	Title II design WBS 124 VV supports	01JUL04*	01JUL04*	28FEB05	28FEB05	265		0.00	21,574.43	0.00	ORNLEM =58hr																									
125-011	Title II design WBS 125 local I&C	01JUL04*	01JUL04*	28FEB05	28FEB05	265		0.00	10,787.22	0.00	ORNLEM =79hr																									
1203-900	Comprehensive WBS 12 FDR			28FEB05	28FEB05	265		0.00	0.00	0.00																										
<b>Vacuum Vessel Vendor Selection</b>																																				
121-6-6	Finalize tech Doc package & Resolve chits	06MAY04	24MAY04	26MAY04	14JUN04	181		0.00	1,286.90	0.00	goranson=10																									
121-6-8	Evaluate and Select VV Production Vendor	24JUN04	13JUL04	16JUL04	03AUG04	181		0.00	2,901.90	0.00	viola=10; goranson=10																									
121-6-83	Negotiate with vendor	19JUL04	04AUG04	29JUL04	16AUG04	181		0.00	1,615.00	0.00	Viola=10																									
121-6-85	DOE Approve VV Selection & contract	30JUL04	17AUG04	13AUG04	31AUG04	181		0.00	0.00	0.00																										
121-6-9	Award VV Production Vendor (Phase funded)			13AUG04	31AUG04	181		0.00	0.00	0.00	PEP Date = December 2004																									
121-36-9.2	Release for Fabrication			20AUG04	08SEP04	181		0.00	0.00	0.00																										
<b>Job:1204 - WBS 12 Title III, Procure,Fabricate</b>																																				
121-031	VVSA Title III engr	21MAY04*	21MAY04*	22NOV06	22NOV06	736		0.00	238,831.20	0.00																										
121-038	FAB VVSA ba=6/2.27/0 BO=4/2.17/3	23AUG04	09SEP04	28OCT05	15NOV05	186		0.00	2,955,260.87	0.00	d1=\$500k; 4e=\$2,229.34k BA=6/2.27/0; BO=4/2.17/3																									
121-038.1	Vacuum Vessel Delivered			28OCT05	15NOV05	186		0.00	0.00	0.00																										
121-038P	FAB VVSA NB ports	23AUG04	09SEP04	28OCT05	15NOV05	302		0.00	150,367.60	0.00	d1=\$144.36k																									
122-030	SPEA VV Thermal Insulation	05JUL05	05JUL05	03OCT05	03OCT05	112		0.00	0.00	0.00																										
122-036.9	Award VV Insulation			03OCT05*	03OCT05*	112		0.00	0.00	0.00																										
122-037	VV Insulation Procurement WBS 122	04OCT05*	04OCT05*	03MAR06	03MAR06	112		0.00	110,493.05	0.00																										
122-031	Title III engr WBS 122	24JUN05	24JUN05	03MAR06	03MAR06	922		0.00	21,460.89	0.00	Viola =22hr ; Goranson =124hr																									
123-030	SPEA VV Heating & Cooling	01JUL05	01JUL05	30SEP05	30SEP05	113		0.00	0.00	0.00																										
123-036.9	Award VV Heating/Cooling Distribution			30SEP05	30SEP05	113		0.00	0.00	0.00																										
123-037	VV Heating/Cooling Distr Procurement WBS 123	03OCT05*	03OCT05*	05JAN06	05JAN06	113		0.00	321,760.80	0.00																										
123-041	VV Heating/Cooling Fab/Assy WBS 123	06JAN06	06JAN06	02MAR06	02MAR06	113		0.00	14,744.50	0.00																										
123-031	Title III engr WBS 123	24JUN05	24JUN05	05JAN06	05JAN06	963		0.00	8,194.72	0.00	Viola =08hr ; Goranson =48hr																									
124-030	SPEA VV Supports	08JUL05	08JUL05	06OCT05	06OCT05	138		0.00	0.00	0.00																										
124-036.9	Award VV Supports			06OCT05	06OCT05	138		0.00	0.00	0.00																										
124-037	VV Supports Procurement WBS 124	07OCT05*	07OCT05*	01MAR06	01MAR06	138		0.00	31,450.50	0.00																										
124-041	VV Supports Fab/assy WBS 124	02MAR06	02MAR06	29MAR06	29MAR06	138		0.00	660.60	0.00																										
124-031	Title III engr WBS 124	08JUL05	08JUL05	01MAR06	01MAR06	924		0.00	8,940.72	0.00	Viola =02hr ; Goranson =60hr																									
125-015	Title III design Local I&C	03OCT05*	03OCT05*	29DEC05	29DEC05	238		0.00	2,608.38	0.00																										
125-037	Procurement Local I&C	04OCT05*	04OCT05*	29DEC05	29DEC05	238		0.00	3,132.00	0.00																										

Run Date 14APR04 10:15

0403

**NCSX  
ECP5 Baseline**

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**STATUS THROUGH  
APRIL 1, 2004**

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	FY04							FY05								
											S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>13 - Conventional Coils</b>																										
<b>Job: 1301 - Conventional Coils Prel Design-KALISH</b>																										
<b>FY03 Actual Cost</b>																										
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	0.00	0.00	0.00																
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	91,660.00	91,660.00	0.00																
1402-004	Subcontract analysis upport for PDR	01OCT03A	01OCT03A	26NOV03A	26NOV03A		100	5,096.00	5,096.00	0.00																
1402-005	VV/MCC PDR support	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	4,178.20	4,178.20	0.00																
1301-100	Prepare Scope Sheet to define interfaces	03NOV03A	03NOV03A	27FEB04	15APR04	1,376	10	964.20	9,642.00	-8,677.80																
1301-105	Prepare Interface Dwgs for ICD's	01DEC03A	01DEC03A	15APR04	21APR04	178	50	2,410.50	4,821.00	-1,834.08																
1301-110	Finalize ICDs	16APR04	22APR04	29APR04	05MAY04	178		0.00	4,821.00	0.00																
1301-115	Update design Basis Document	01APR04*	01APR04*	15APR04	15APR04	192		0.00	7,231.50	0.00																
1301-120	Finalize SRD	01MAR04*	01APR04	15MAR04	28APR04	183		0.00	4,821.00	-4,821.00																
1301-140	Complete Draft SOW	02JAN04A	02JAN04A	15JAN04A	15JAN04A		100	4,821.00	4,821.00	0.00																
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	16JAN04A	16JAN04A	19JAN04A	19JAN04A		100	1,285.60	1,285.60	0.00																
1301-150	Vendor Responses	02FEB04*	02FEB04A	23JUN04	23JUN04	144	LOE	3,051.69	7,231.50	3.12																
1301-155	Trim Coil Layouts	01OCT03A	01OCT03A	23DEC03A	23DEC03A		100	55,762.90	55,762.90	0.00																
1301-160	Trim Coil Leads	01DEC03A	01DEC03A	23JUN04	30JAN04A		100	7,070.80	7,070.80	2,979.83																
1301-165	PF1-PF3 Support System Layouts	01DEC03A	01DEC03A	30JAN04A	30JAN04A		100	21,373.10	21,373.10	0.00																
163-001	Title I design CS sprt struc	01DEC03A	01DEC03A	23JUN04	23APR04	186	80	46,696.53	58,370.66	12,924.93																
1301-170	New Lead Details	01DEC03A	01DEC03A	23DEC03A	23DEC03A		100	14,141.60	14,141.60	0.00																
1301-175	Iterate & Finalize Design	02JAN04A	02JAN04A	30JUN04	30APR04	181	50	14,784.40	29,568.80	0.00																
1301-180	Update ANSYS model & structure	03NOV03A	03NOV03A	01JUN04	27FEB04A		100	8,294.62	8,294.62	2,511.75																
1301-185	FEA Analysis Coils,Stress deflection	01DEC03A	01DEC03A	02JUN04	23APR04	186	80	9,817.92	12,272.40	1,865.40																
1301-190	FEA Analysis PF Supports,Stress Deflection	02JUN04	01MAR04A	22JUN04	21APR04	188	80	9,817.92	12,272.40	9,817.92																
1301-195	Seismic Analysis	26NOV03A	26NOV03A	26NOV03A	30APR04	1,365		9,670.65	12,272.40	8,545.75																
1301-125	Update Cost and Schedule	03JUN04	03JUN04	30JUN04	30JUN04	139		0.00	9,642.00	0.00																
1301-130	Prepare for PDR	23JUN04	23JUN04	30JUN04	30JUN04	139		0.00	7,713.60	0.00																
133-010	Title I design WBS 134 Conv Coil I&C	05MAY04*	05MAY04	30JUN04	30JUN04	139		0.00	14,784.40	0.00																
1301-135	Conventional Coil PDR			30JUN04*	30JUN04*	139		0.00	0.00	0.00																
<b>Job: 1303 - WBS 13 Final Design -KALISH</b>																										
131-011	Title II design WBS 131 TF coils	01JUL04*	01JUL04*	30SEP04	30SEP04	139		0.00	100,189.87	0.00																
131-012	WBS 13 TF FDR			30SEP04	30SEP04	139		0.00	0.00	0.00																
141-011	Title II design WBS 132 PF coils	01OCT04*	01OCT04*	30SEP05	30SEP05	187		0.00	167,006.83	0.00																
163-011	Title II design CS sprt struc	01OCT04*	01OCT04*	30SEP05	30SEP05	187		0.00	53,216.38	0.00																
133-011	Title II design WBS 134 Conv Coil I&C	06APR05	06APR05	30SEP05	30SEP05	187		0.00	15,198.40	0.00																

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
184-011	Title II design WBS 133 Ext trim coils	06APR05*	06APR05*	30SEP05	30SEP05	259		0.00	39,983.57	0.00	Rushinski=114;Kalish=141;ornlem=31													
141-012	WBS 13 PF/CS SPRT FDR			30SEP05	30SEP05	187		0.00	0.00	0.00														
<b>Job: 1304 - WBS 13 Procure/Fab/Title III-KALISH</b>																								
<b>TF Coils</b>																								
131-034	Bid & Award TF Coils	20OCT04*	20OCT04*	23DEC04	23DEC04	126		0.00	0.00	0.00														
131-035	TF Coils Awarded			14JAN05	14JAN05	117		0.00	0.00	0.00	PEP Date = April 2005													
131-037	TF Coil Procurement [A/1]	17JAN05*	17JAN05*	15SEP06	15SEP06	117		0.00	1,233,928.97	0.00														
131-037A	TF Coil cost correction	06OCT05	06OCT05	15SEP06	15SEP06	117		0.00	81,707.61	0.00														
131-038	All TF Coils Delivered			15SEP06	15SEP06	117		0.00	0.00	0.00														
131-031	Title III engr	13JAN05*	13JAN05*	29SEP06	29SEP06	761		0.00	130,456.04	0.00	Kalish=666hr;ornlem=62;Rushinski=96													
<b>PF Coils</b>																								
141-035	Bid & Award PF Coils	30JAN06*	30JAN06*	31MAR06	31MAR06	154		0.00	0.00	0.00														
141-036	PF Coils Awarded			31MAR06	31MAR06	154		0.00	0.00	0.00														
143-037	PF 4 Procurement [A/1]	03APR06	03APR06	08NOV06	08NOV06	158		0.00	224,756.29	0.00														
144-037	PF 5 Procurement [A/1]	03APR06	03APR06	08NOV06	08NOV06	158		0.00	239,130.45	0.00														
145-037	PF 6 Procurement [A/1]	03APR06	03APR06	08NOV06	08NOV06	158		0.00	211,469.78	0.00														
141-037	PF OH Solenoid Procurement PF1 [A/1]	01MAY06*	01MAY06*	26FEB07	26FEB07	134		0.00	173,241.98	0.00														
141B-037	PF OH Solenoid Procurement PF2 [A/1]	01MAY06*	01MAY06*	26FEB07	26FEB07	134		0.00	138,102.22	0.00														
142-037	PF OH Solenoid Procurement PF3 [A/1]	01MAY06*	01MAY06*	26FEB07	26FEB07	134		0.00	146,668.65	0.00														
141-031	Title III engr WBS 132	30JAN06*	30JAN06*	22FEB07	22FEB07	665		0.00	141,578.37	0.00														
<b>CS Support Structure</b>																								
163-035	Bid & Award CS Support Struct	21DEC05	21DEC05	01MAR06	01MAR06	132		0.00	0.00	0.00														
163-036.9	Award CS Support Structure			01MAR06*	01MAR06*	132		0.00	0.00	0.00														
163-037	CS Support Structure Procurement/Fab	02MAR06*	02MAR06*	28FEB07	28FEB07	132		0.00	195,207.78	0.00														
163-015	Title III design CS sprt struc	21DEC05	21DEC05	28FEB07	28FEB07	661		0.00	57,061.93	0.00														
<b>Trim Coils</b>																								
184-035	Bid & Award Ext Trim Coils	01AUG05	01AUG05	03OCT05	03OCT05	258		0.00	0.00	0.00														
184-036	Award External Trim Coils			03OCT05*	03OCT05*	258		0.00	0.00	0.00														
184-037	External Trim Coil Procurement/Fab	04OCT05	04OCT05	13FEB06	13FEB06	258		0.00	275,015.70	0.00														
184-015	Title III WBS 133 Rxt Trim Coils	01AUG05	01AUG05	06MAR06	06MAR06	907		0.00	57,039.77	0.00	Rushinski=64;Kalish=232;ornlem=30;35=\$4k													
<b>TF/PF Loacl I&amp;C</b>																								
133-015	Title III WBS 134 Conv Coil I&C	05JUN06*	05JUN06*	07DEC06	07DEC06	714		0.00	3,696.20	0.00														
133-037	Conv Coil I&C WBS 134 Proc & Install	05JUN06*	05JUN06*	07DEC06	07DEC06	185		0.00	66,610.52	0.00														
<b>14 - Modular Coils</b>																								
<b>Job: 1401 - Mod Coil Prel.Dsn-WILLIAMSON</b>																								
<b>FY03 Actual Cost</b>																								
1401-002	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	303,040.00	303,040.00	0.00														
1401-003	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	0.00	0.00	0.00														

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04					FY05																				
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
<b>Job: 1402 - Mod.Coil Analyses-WILLIAMSON</b>																																				
<b>FY03 Actual Cost</b>																																				
1402-002	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	84,220.00	84,220.00	0.00	[Gantt bar: 01APR03 to 30SEP03]																									
1402-003	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	154,920.00	154,920.00	0.00	[Gantt bar: 01APR03 to 30SEP03]																									
<b>Job: 1403 - WBS 14 Final Design-WILLIAMSON</b>																																				
<b>PDR/PBR Prep</b>																																				
1403-04	Plan response to PDR chits	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	2,573.80	2,573.80	0.00	[Gantt bar: 01OCT03 to 31OCT03] Williamson=20																									
1403-05	Prepare FY04 WP / WAF / Checklists	08OCT03A	08OCT03A	14OCT03A	14OCT03A		100	2,573.80	2,573.80	0.00	[Gantt bar: 08OCT03 to 14OCT03] Williamson=20																									
1403-06	Prepare documents for PDR closeout	15OCT03A	15OCT03A	24DEC03A	24DEC03A		100	10,295.20	10,295.20	0.00	[Gantt bar: 15OCT03 to 24DEC03] Williamson=80																									
1403-07	Prepare PBR documentation	31OCT03A	31OCT03A	18NOV03A	18NOV03A		100	2,573.80	2,573.80	0.00	[Gantt bar: 31OCT03 to 18NOV03] Williamson=20																									
1403-08	Performance Baseline Review			18NOV03A	18NOV03A		100	0.00	0.00	0.00	[Gantt bar: 18NOV03 to 18NOV03] PEP Date = November 2003																									
<b>Requirements/Config and Interfaces</b>																																				
1403-10	Review, revise, and approve SRD	15OCT03A	15OCT03A	27FEB04	07APR04	138	90	2,316.42	2,573.80	-257.38	[Gantt bar: 15OCT03 to 27FEB04] Williamson=20																									
1403-11	Prepare assembly / interface drawings for ICDs	15OCT03A	15OCT03A	26FEB04	14APR04	135	70	7,206.64	10,295.20	-3,088.56	[Gantt bar: 15OCT03 to 26FEB04] Hargrove,Lovett=80																									
1403-12	Finalize and approve all ICDs	02FEB04*	01MAR04A	13FEB04	21APR04	130	60	3,088.56	5,147.60	-2,059.04	[Gantt bar: 02FEB04 to 13FEB04] Williamson=40																									
1403-13	Finalize winding pack ref xsec, conductor dims	15OCT03A	15OCT03A	26NOV03A	26NOV03A		100	2,573.80	2,573.80	0.00	[Gantt bar: 15OCT03 to 26NOV03] Williamson=20																									
1403-14	Revise winding form and windings/asm models	15OCT03A	15OCT03A	30JAN04A	30JAN04A		100	41,309.49	41,309.49	0.00	[Gantt bar: 15OCT03 to 30JAN04] Hargrove,Williamson,Lovett=320																									
1403-15	Prepare winding form asm / detail drawings	03NOV03A	03NOV03A	27FEB04	16APR04	1,399	80	32,944.64	41,180.80	-8,236.16	[Gantt bar: 03NOV03 to 27FEB04] Lovett,Hargrove=320																									
<b>Analysis - Thermal &amp; Electrical</b>																																				
1403-21	Document electrical, insulation parameters	15OCT03A	15OCT03A	19DEC03A	19DEC03A		100	2,573.80	2,573.80	0.00	[Gantt bar: 15OCT03 to 19DEC03] Williamson=20																									
1403-22	Update thermal analysis to current WP design	22OCT03A	22OCT03A	19DEC03A	19DEC03A		100	5,147.60	5,147.60	0.00	[Gantt bar: 22OCT03 to 19DEC03] Williamson=40																									
1403-23	Update thermo-hydraulic analysis of coils	01DEC03A	01DEC03A	23FEB04	30APR04	130	20	1,285.60	6,428.00	-5,142.40	[Gantt bar: 01DEC03 to 23FEB04] Dahlgren=40																									
1403-25	Check EM loads calculation for ref scenarios	02FEB04*	02FEB04A	31MAR04	30APR04	130	90	4,632.84	5,147.60	4,632.84	[Gantt bar: 02FEB04 to 31MAR04] Strickler=40																									
1403-26	Perform scan of EM fault load conditions	01DEC03A	01DEC03A	31MAR04	30APR04	130	90	9,265.68	10,295.20	9,265.68	[Gantt bar: 01DEC03 to 31MAR04] Strickler=80																									
1403-26.1	Check thermal & electrical calculations	02FEB04*	02FEB04A	31MAR04	30APR04	130	50	5,147.60	10,295.20	-5,147.60	[Gantt bar: 02FEB04 to 31MAR04] Williamson=80																									
1403-27	Prepare thermal, electrical analysis report	02FEB04*	02FEB04A	28APR04	28APR04	132	20	4,118.08	20,590.40	-9,935.69	[Gantt bar: 02FEB04 to 28APR04] Williamson=160																									
<b>Analysis - Structural</b>																																				
141TITL2P	PDR #1,4,26 Access,Tolerance Budget,Bolting	02FEB04*	01MAR04A	19MAY04	16APR04	1,375	80	21,516.97	26,896.21	6,689.57	[Gantt bar: 02FEB04 to 19MAY04] Myatt=209																									
1403-29	Complete ANSYS model of coil structure asm	15OCT03A	15OCT03A	30APR04	30APR04	130	90	144,630.00	160,700.00	9,182.86	[Gantt bar: 15OCT03 to 30APR04] Fan=80+920																									
1403-30	Analyze global stress /deflect winding form asm	31OCT03A	31OCT03A	30APR04	30APR04	130	60	9,642.00	16,070.00	-3,665.97	[Gantt bar: 31OCT03 to 30APR04] Fan=40+60																									
1403-31	Analyze stress in bolted connections	02FEB04*	01MAR04A	30APR04	30APR04	130	50	3,214.00	6,428.00	-2,126.18	[Gantt bar: 02FEB04 to 30APR04] Fan=40																									
1403-32	Update MECHANICA model of 3 coil types	15OCT03A	15OCT03A	27FEB04	30APR04	130	60	6,177.12	10,295.20	-4,118.08	[Gantt bar: 15OCT03 to 27FEB04] Freudenberg=80																									
1403-33	Anlyz wind pack deflect/stress fo thrml, EM lds	02FEB04*	01MAR04A	31MAR04	30APR04	130	30	1,544.28	5,147.60	-3,603.32	[Gantt bar: 02FEB04 to 31MAR04] Freudenberg=40																									
1403-34	Analyze and optimize clamp locations	02FEB04*	01MAR04A	31MAR04	30APR04	130	50	2,573.80	5,147.60	-2,573.80	[Gantt bar: 02FEB04 to 31MAR04] Freudenberg=40																									
1403-35	Perform supporting analysis for material tests	15OCT03A	15OCT03A	30APR04	30APR04	130	60	10,036.57	16,727.62	-4,062.42	[Gantt bar: 15OCT03 to 30APR04] Myatt=105																									
1403-36	Update EM loads for reference scenarios	02FEB04*	01MAR04A	04MAY04	30APR04	130	50	5,178.81	10,357.62	-1,468.62	[Gantt bar: 02FEB04 to 04MAY04] Myatt=65																									
1403-37	Perform check og global structural analysis	02FEB04*	01MAR04A	30APR04	30APR04	130	30	5,018.29	16,727.62	-6,047.67	[Gantt bar: 02FEB04 to 30APR04] Myatt=105																									

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current schedule  
 xECP5 Baseline  
 Progress Bar  
 Critical Activity

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## NCSX ECP5 Baseline

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## STATUS THROUGH APRIL 1, 2004

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
1403-38	Check nonlinear winding pack analysis	02FEB04*	01MAR04A	30APR04	30APR04	130	30	3,107.29	10,357.62	-3,744.67														
1403-39	Analyze gravity, equip, seismic loading	02FEB04*	01MAR04A	14MAY04	14MAY04	120	30	1,928.40	6,428.00	-1,756.99														
1403-40	Analyze combined loads and fault conditions	31MAR04*	01MAR04A	30APR04	03MAY04	129	30	1,928.40	6,428.00	1,648.92														
1403-40.1	Check Structural Calculations	02FEB04*	02FEB04A	19MAY04	19MAY04	117	30	3,088.56	10,295.20	-2,587.00														
1403-40.1A	Prepare plate element model of coil structure	02FEB04*	01MAR04A	30APR04	30APR04	130	30	3,088.56	10,295.20	-3,722.11														
1403-40.1B	Confirm global deflection/stress, re-inf of shel	03FEB04*	02FEB04A	30APR04	30APR04	130	30	3,088.56	10,295.20	-3,667.67														
1403-40.1C	Check all struct calculations	17FEB04*	01MAR04A	30APR04	30APR04	130	30	3,088.56	10,295.20	-3,012.30														
1403-40.2A	Develop multi-filament model of all coils	02FEB04*	01MAR04A	16FEB04	15APR04	1,400	20	1,029.52	5,147.60	-4,118.08														
1403-40.2B	Confirm Plasma performance & surface quality	17FEB04	01APR04	01MAR04	07APR04	127		0.00	6,428.00	-6,428.00														
1403-40.2C	Model expected deflections under thermal/EM load	17FEB04	01APR04	15MAR04	12APR04	124		0.00	10,295.20	-10,295.20														
1403-40.2D	Confirm plasma performance & surface quality	16MAR04	13APR04	12APR04	10MAY04	124		0.00	12,856.00	-7,713.60														
1403-41	Prepare structural analysis report	12MAR04*	01APR04*	17MAY04	19MAY04	117		0.00	20,590.40	-6,133.31														
<b>Winding Form FDR Prep</b>																								
1403-43	Incorporate changes due to prototype fabr	16FEB04*	01MAR04A	30APR04	31MAR04A		100	10,423.89	10,423.89	4,169.55														
1403-44	Prepare final drawings for winding forms, asm	20FEB04*	01MAR04A	30APR04	16APR04	140	80	65,786.34	82,232.91	19,026.45														
1403-45	Check and promote models / drawings	15APR04*	01MAR04A	05MAY04	30APR04	130		34,756.60	41,180.80	34,756.60														
1403-46	Update build-to specification / SOW	16FEB04*	01MAR04A	05MAY04	09APR04	145		11,844.63	15,442.80	3,058.21														
1403-47	Prepare failure modes assessment (FMECA)	16FEB04*	01APR04*	05MAY04	05MAY04	127		0.00	15,442.80	-8,786.42														
1403-48	Update design basis document	01APR04*	05APR04*	17MAY04	19MAY04	117		0.00	15,442.80	0.00														
1403-49	Update cost / schedule estimates	16FEB04*	01APR04*	30APR04	23APR04	135		0.00	15,442.80	-9,265.68														
1403-49.1	Process ECP for all changes	16FEB04*	01APR04*	12MAY04	23APR04	135		0.00	5,147.60	-2,696.36														
1403-50	Prepare FDR documentation / presentations	05MAY04*	07MAY04*	17MAY04	19MAY04	117		0.00	10,295.20	0.00														
1403-50.1	Release EIO/JPP f/flow solidif & mach simulation	01MAR04*	01APR04*			148		0.00	0.00	0.00														
1403-50.2	Prepare Prelim Bid Package	13APR04	13APR04	03MAY04	03MAY04	129		0.00	0.00	0.00														
1403-50.5	Prelim Bid Package Released			03MAY04*	03MAY04*	129		0.00	0.00	0.00														
1403-51	Mod Coil Winding Form Final Design Review			19MAY04*	19MAY04*	117		0.00	0.00	0.00														
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness			19MAY04	01JUN04	179		0.00	0.00	0.00														
<b>Post FDR Update &amp; Planning</b>																								
1403-53	Resolve FDR comments and recommendations	20MAY04	20MAY04	10JUN04	10JUN04	117		0.00	15,442.80	0.00														
1403-54	Final bid package( specs,models,dwgs)	24MAY04	24MAY04	10JUN04	10JUN04	117		0.00	20,590.40	0.00														
C-071	Project eval cost proposals & select vendor	02JUL04	07JUL04	27AUG04	31AUG04	115		0.00	0.00	0.00														
C-081	Award MCWF Mfg Contract (phase funded)			27AUG04	31AUG04	115		0.00	0.00	0.00														
<b>Winding and Assembly Design-Prototype (typeC)</b>																								
1403-100	Winding & Insulation Dwgs (8)-Prototype	02JAN04A	02JAN04A	23APR04	24JUN04	101	30	1,621.50	5,404.98	-2,634.92														
1403-101	Leads & crossover Dwgs (10)-Prototype	02JAN04A	02JAN04A	23APR04	24JUN04	101	30	2,007.56	6,691.88	-3,262.30														



Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04						FY05																			
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
1403-102	G-10 Filler Dwgs (24)-Prototype	02JAN04A	02JAN04A	23APR04	24JUN04	101	30	4,864.48	16,214.94	-7,904.78																										
1403-103	Clamp Dwgs (5)-Prototype	02JAN04A	02JAN04A	23APR04	24JUN04	101	30	1,003.78	3,345.94	-1,631.14																										
1403-104	Chill Plate Dwgs (66)-Prototype	02JAN04A	01APR04	23APR04	24JUN04	101		0.00	44,526.74	-35,064.80																										
1403-105	Installation Dwgs (1)-Prototype	02JAN04A	01APR04	23APR04	24JUN04	101		0.00	772.14	-608.06																										
1403-106	Cooling Schematic Dwgs (1)-Prototype	02JAN04A	01APR04	23APR04	24JUN04	101		0.00	772.14	-608.06																										
1403-107	Electrical Schematic Dwgs (1)-Prototype	02JAN04A	01APR04	23APR04	24JUN04	101		0.00	772.14	-608.06																										
1403-108	I&C Dwgs (1) -Prototype	02JAN04A	01APR04	23APR04	24JUN04	101		0.00	772.14	-608.06																										
1403-60	Update design basis document	15MAR04	01APR04*	23APR04	12MAY04	131		0.00	15,442.80	-6,691.88																										
1403-20	PrototypeMod Coil FDR (Type C Drawings)			23APR04	24JUN04*	101		0.00	0.00	0.00																										
1403-59	Update build-to specifications	26MAY04	26MAY04	08JUL04	08JUL04	142		0.00	15,442.80	0.00																										
1403-20.1	Mod Coil Prototype Fab Readiness Review			08JUL04	08JUL04*	142		0.00	0.00	0.00																										
<b>Winding and Assembly Design-Type C</b>																																				
1403-200	Winding & Insulation Dwgs (8)-Type C Updates	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	1,029.52	0.00																										
1403-201	Leads & crossover Dwgs (10)-Type C Updates	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	1,286.90	0.00																										
1403-202	G-10 Filler Dwgs (24)-Type C Updates	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	3,088.56	0.00																										
1403-203	Clamp Dwgs (5)-Type C Updates	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	643.45	0.00																										
1403-204	Chill Plate Dwgs (66)-Type C Updates	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	8,493.54	0.00																										
1403-205	Installation Dwgs (1)-Type C Updates	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	257.38	0.00																										
1403-206	Cooling Schematic Dwgs (1)-Type C Updates	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	257.38	0.00																										
1403-207	Electrical Schematic Dwgs (1)-Type C Updates	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	257.38	0.00																										
1403-208	I&C Dwgs (1) -Type C Updates	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	257.38	0.00																										
1403-58C	Check and promote models / drawings -Type C	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	17,373.15	0.00																										
1403-61	Update cost / schedule estimates	15JUL04	15JUL04*	25AUG04	25AUG04	122		0.00	15,442.80	0.00																										
1403-62	Prepare FDR documentation / presentations	29JUL04	29JUL04*	25AUG04	25AUG04	122		0.00	10,295.20	0.00																										
1403-70	FDR-Production Type C Mod Coil Winding			25AUG04	08SEP04*	113		0.00	0.00	0.00																										
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	19NOV04	19NOV04*	20DEC04	20DEC04	122		0.00	2,817.40	0.00																										
1403-70.1	Fab Readiness Rvw - Production Type C MC Winding			20DEC04	20DEC04*	122		0.00	0.00	0.00																										
<b>Winding and Assembly Design-Type A</b>																																				
1403-300	Winding & Insulation Dwgs (8)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	5,614.98	0.00																										
1403-301	Leads & crossover Dwgs (10)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	6,951.90	0.00																										
1403-302	G-10 Filler Dwgs (24)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	16,844.96	0.00																										
1403-303	Clamp Dwgs (5)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	3,475.94	0.00																										
1403-304	Chill Plate Dwgs (66)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	46,256.82	0.00																										
1403-305	Installation Dwgs (1)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	802.14	0.00																										
1403-306	Cooling Schematic Dwgs (1)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	802.14	0.00																										
1403-307	Electrical Schematic Dwgs (1)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	802.14	0.00																										

Run Date 14APR04 10:15

current schedule  
 xECP5 Baseline  
 Progress Bar  
 Critical Activity

0403

**NCSX  
ECP5 Baseline**

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**STATUS THROUGH  
APRIL 1, 2004**

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04						FY05																			
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
1403-308	I&C Dwgs (1) -Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	802.14	0.00	Lovett= 3 ; Hargrove= 3																									
1403-58A	Check and promote models / drawings -Type A	04NOV04	04NOV04*	24NOV04	24NOV04	128		0.00	19,017.45	0.00	Cole,Williamson,Lovett																									
1403-71	FDR Production Type A Mod Coil Winding			24NOV04	24NOV04*	128		0.00	0.00	0.00	Williamson=20																									
1403-71.05	Update MIT/QA Plans for Type C Winding Fab	04MAY05	04MAY05*	01JUN05	01JUN05	128		0.00	2,817.40	0.00																										
1403-71.1	Fab Readiness Review - Production Type A			01JUN05	01JUN05*	128		0.00	0.00	0.00																										
<b>Winding and Assembly Design-Type B</b>																																				
1403-400	Winding & Insulation Dwgs (8)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	5,916.54	0.00	Lovett= 21 ; Hargrove= 21																									
1403-401	Leads & crossover Dwgs (10)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	7,325.24	0.00	Lovett= 26 ; Hargrove= 26																									
1403-402	G-10 Filler Dwgs (24)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	17,749.62	0.00	Lovett= 63 ; Hargrove= 63																									
1403-403	Clamp Dwgs (5)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	3,662.62	0.00	Lovett= 13 ; Hargrove= 13																									
1403-404	Chill Plate Dwgs (66)-TypeB	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	48,741.02	0.00	Lovett= 173 ; Hargrove= 173																									
1403-405	Installation Dwgs (1)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	845.22	0.00	Lovett= 3 ; Hargrove= 3																									
1403-406	Cooling Schematic Dwgs (1)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	845.22	0.00	Lovett= 3 ; Hargrove= 3																									
1403-407	Electrical Schematic Dwgs (1)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	845.22	0.00	Lovett= 3 ; Hargrove= 3																									
1403-408	I&C Dwgs (1) -Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	845.22	0.00	Lovett= 3 ; Hargrove= 3																									
1403-58B	Check and promote models / drawings -Type B	19APR05	19APR05*	09MAY05	09MAY05	125		0.00	19,017.45	0.00	Cole,Williamson,Lovett,Hargrove,Jones=120																									
1403-72	Final Design Review Production Type B			09MAY05	15JUN05*	99		0.00	0.00	0.00																										
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	13OCT05	13OCT05*	09NOV05	09NOV05	125		0.00	2,898.20	0.00																										
1403-72.1	Fab Readiness Review - Production Type B			09NOV05	09NOV05*	125		0.00	0.00	0.00																										
142TITLE3	Titel III Design-Coil Winding & Assembly	01OCT04*	01OCT04*	29SEP06	29SEP06	761		0.00	423,168.36	0.00	WILLIAMSON=2524 travel=\$36k																									
<b>Job:1404-Mod Coil Winding Form R&amp;D-HEITZENROEDER</b>																																				
<b>FY03 Actual Cost</b>																																				
1404-002	Apr-Sept YTD MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	100,220.00	100,220.00	0.00																										
1404-003	Apr-Sept YTD MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	64,670.00	64,670.00	0.00																										
<b>Prototype Design Issues</b>																																				
1404-109.J	JOULE MILESTONE #1-Authorize Prototype Fab			20OCT03A	20OCT03A			0.00	0.00	0.00	Authorize Prototype Fabrication - Modular Coil Winding Forms and Vacuum Vessel. 1st QUARTER FY04 (December 2003)																									
1404-110.J	JOULE MILESTONE #3-Prototype Casting Made			26MAR04	07MAY04	1,384		0.00	0.00	0.00	Prototype Casting Made 3rd QUARTER FY04 ( June 2004)																									
1404-65	Fabrication oversight by Project	01OCT03A	01OCT03A	26MAY04	26MAY04	1,371	LOE	57,337.91	75,246.60	7.16	Nelson,Heitzenroeder,=528																									
<b>EIO Subcontract (S04341F)</b>																																				
1404-100	EIO-Cost FY03	01MAY03A	01MAY03A	30SEP03A	30SEP03A		100	307,170.24	307,170.24	307,170.24	41=\$254.28																									
1404-110X	EIO-forecast increase	21OCT03A	21OCT03A	28JUN04	28JUN04	1,344	C	149,736.00	293,600.00	149,736.00	4e=293.6 addl \$28.9k forecast from EIO																									
1404-68	Authorization by PPPL			20OCT03A	20OCT03A			0.00	0.00	0.00																										
1404-69	Oversight / reporting (4.1 & 4.2)	21OCT03A	21OCT03A	04MAY04	04MAY04	1,387		56,057.30	67,865.98	-5.90	41=\$ 53.27 k <encumbered FY03>																									
1404-70	Process model	21OCT03A	21OCT03A	26NOV03A	26NOV03A		100	44,590.00	44,590.00	0.00	41=\$ 35 k <encumbered FY03>																									
1404-71	Build pattern	01DEC03A	01DEC03A	21JAN04A	21JAN04A		100	44,590.00	44,590.00	0.00	41=\$ 35 k <encumbered FY03>																									
1404-72	EIO Make casting	22JAN04A	22JAN04A	12FEB04	27FEB04A		100	44,590.00	44,590.00	0.00	41=\$ 35 k <encumbered FY03>																									

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
1404-73	Inspect, repair, heat treat	13FEB04	09MAR04A	26MAR04	07MAY04	115		37,009.70	44,590.00	-7,580.30	41=\$ 35 k <encumbered FY03>													
1404-74	Ship, setup for machining	26APR04	10MAY04	07MAY04	21MAY04	115		0.00	60,897.20	0.00	41=\$ 47.8 k <encumbered FY03>													
1404-75	Perform machining	10MAY04*	24MAY04*	21JUN04	25JUN04	115		0.00	74,274.10	0.00	41=\$ 4.65k; 4e=\$ 68.35 k <encum													
1404-76	Final inspection	22JUN04	28JUN04	23JUN04	01JUL04	115		0.00	7,500.00	0.00	4e=\$ 7.5 k <encumbered FY03>													
1404-77	Ship to PPPL	24JUN04	02JUL04	28JUN04	06JUL04	115		0.00	2,570.00	0.00	4e=\$ 2.57 k <encumbered FY03>													
1404-77.1	EIO-Deliver Prototype MCWF			28JUN04	06JUL04	115		0.00	0.00	0.00	ETC+=heitzentro,raftopolous,williar													
1404-77.5	Inspect & write evaluation report		07JUL04		20JUL04	150		0.00	0.00	0.00	ETC+=heitzentro,raftopolous,williar													
1404-78	Flow solid & machine simulation for Production	13MAY04*	13MAY04*	30JUN04	30JUN04	118		0.00	40,000.00	0.00	\$40k increase for production flow solidification model													
1404-79	Final MIT/QA plan	20MAY04	20MAY04	01JUL04	01JUL04	117		0.00	19,990.00	0.00	4e=\$ 19.99 k R367405													
1404-80	Fixed price proposal	20MAY04	20MAY04	01JUL04	01JUL04	117		0.00	11,960.00	0.00	4e=\$ 11.96 k R367405													
1404-80.1	EIO MCWF Fixed price proposal Received			01JUL04	01JUL04	117		0.00	0.00	0.00	ETC+=heitzentro,raftopolous,williar													
<b>JP Pattern Subcontract (S04340F)</b>																								
1404-200	JPP- cost FY03	01MAY03A	01MAY03A	30SEP03A	30SEP03A		100	92,170.40	92,170.40	92,170.40	41=\$76.3 k													
1404-82	Authorization by PPPL to begin Fabrication			20OCT03A	20OCT03A			0.00	0.00	0.00	ETC+=heitzentro,raftopolous,williar													
1404-83	Oversight / reporting	21OCT03A	21OCT03A	04MAY04	04MAY04	1,387	LOE	48,259.58	58,425.64	-5.08	41=\$ 45.86 k <encumbered FY03>													
1404-84	Process model	21OCT03A	21OCT03A	15APR04	09APR04	1,404		21,229.17	62,438.74	21,229.17	41=\$ 49.01 k <encumbered FY03>													
1404-85	Build pattern	01DEC03A	01DEC03A	12MAR04	09APR04	118		16,583.02	47,380.06	-30,797.04	41=\$ 25.98 k <encumbered FY03>													
1404-86	JPP Make casting	15MAR04	12APR04	26MAR04	23APR04	118		0.00	16,434.60	-16,434.60	41=\$ 12.9 k <encumbered FY03>													
1404-87	Inspect, repair, heat treat	29MAR04	26APR04	27APR04	27APR04	118		0.00	119,998.06	-16,363.37	41=\$ 94.19 k <encumbered FY03>													
1404-88	Ship, setup for machining	28APR04	28APR04	30APR04	30APR04	118		0.00	1,579.76	0.00	41=\$ 1.24 k <encumbered FY03>													
1404-89	Perform machining	03MAY04	03MAY04	23JUN04	23JUN04	118		0.00	281,450.26	0.00	41=\$ 194.49 k; 4e=\$ 33.67 k <encum													
1404-90	Final inspection	24JUN04	24JUN04	28JUN04	28JUN04	118		0.00	8,710.00	0.00	4e=\$ 8.71 k <encumbered FY03>													
1404-91	Ship to PPPL	29JUN04	29JUN04	30JUN04	30JUN04	118		0.00	3,120.00	0.00	4e=\$ 3.12 k <encumbered FY03>													
1404-210X	PPPL add'l-forecast increase	28JUN04	29JUN04	28JUN04	30JUN04	118		0.00	200,000.00	0.00	4e=200													
1404-91.5	Inspect & write evaluation report		01JUL04		15JUL04	153		0.00	0.00	0.00	ETC+=heitzentro,raftopolous,williar													
1404-91.1	JPP-Deliver Prototype MCWF			30JUN04	30JUN04	118		0.00	0.00	0.00	ETC+=heitzentro,raftopolous,williar													
1404-92	Flow solid & machine simulation for Production	13MAY04*	13MAY04*	30JUN04	30JUN04	118		0.00	40,000.00	0.00	\$40k increase for production flow solidification model													
1404-93	Final MIT/QA plan	20MAY04	20MAY04	01JUL04	01JUL04	117		0.00	8,170.00	0.00	4e = 8.17 R367405													
1404-94	Fixed price proposal	20MAY04	20MAY04	01JUL04	01JUL04	117		0.00	12,150.00	0.00	4e= 12.15 R367405													
1404-94.1	JPP MCWF Fixed price proposal received			01JUL04	01JUL04	117		0.00	0.00	0.00	ETC+=heitzentro,raftopolous,williar													
<b>Job: 1405-Mod Coil Winding R&amp;D Prep-CHRZANOWSKI</b>																								
<b>FY03 Actual Cost</b>																								
1405-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	01APR03A	30MAY03A	30MAY03A			0.00	0.00	0.00														
1405-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	01APR03A	30MAY03A	30MAY03A			168,070.00	168,070.00	0.00														

Run Date 14APR04 10:15

0403

NCSX  
ECP5 Baseline

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STATUS THROUGH  
APRIL 1, 2004

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	FY04					FY05									
											S	O	N	D	J	F	M	A	M	J	J	A	S	O	N
<b>Job: 1406 - Mod. Coil Winding R&amp;D-CHRZANOWSKI</b>																									
<b>FY03 Actual Cost</b>																									
1406-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	0.00	0.00	0.00															
1406-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	831,120.00	831,120.00	0.00															
<b>Oversight &amp; Supervision</b>																									
1406-000	Supervision & Oversight	01OCT03A	01OCT03A	22JUN04	22JUN04	1,312	LOE	79,474.07	117,218.40	26.04															
1406-047	Prepare R&D report	23JUN04	23JUN04	16JUL04	16JUL04	1,312		0.00	0.00	0.00															
1406-048	Testing & Strain Gauge Design	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	24,253.50	24,253.50	0.00															
<b>Keystone R&amp;D</b>																									
1406-001	Purchase 10 spools conductor (twisted racetrack)	03NOV03A	03NOV03A	23DEC03A	23DEC03A		100	7,644.00	7,644.00	0.00															
1406-003	Purchase 8 spools conductor (long twisted windin	03NOV03A	03NOV03A	23DEC03A	23DEC03A		100	7,644.00	7,644.00	0.00															
1406-005	Purchase epoxy & Insulation	03NOV03A	03NOV03A	27FEB04	30APR04	168	50	5,211.82	6,370.00	-1,158.18															
1406-010	Keystone Test for New Conductor	02JAN04A	02JAN04A	13FEB04	27FEB04A		100	6,144.00	6,144.00	0.00															
1406-011	Purchase add'l copper Conductor	02FEB04	01MAR04A	19MAR04	08APR04	1,371	50	4,459.00	8,918.00	4,459.00															
1406-012	Repeat Keystone Test for New Conductor	22MAR04	09APR04	02APR04	22APR04	1,371		0.00	6,144.00	-4,915.20															
<b>Twisted Racetrack Design (Williamson)</b>																									
1406-097	Verify Conductor Dims	01OCT03A	01OCT03A	03OCT03A	03OCT03A		100	2,573.80	2,573.80	0.00															
1406-098	Complete Drawings of Casting	13OCT03A	13OCT03A	26NOV03A	26NOV03A		100	15,442.80	15,442.80	0.00															
1406-099	Review/Approve Casting Drawings	26NOV03A	26NOV03A	26NOV03A	26NOV03A		100	15,442.80	15,442.80	0.00															
1406-101	Prepare Clamp & Chill Plate detail Drawings	24NOV03A	24NOV03A	19MAR04	13APR04	111	70	14,413.28	20,590.40	-6,177.12															
1406-102	Review/Approve Clamp & Chill Plate Dwgs	22MAR04	01APR04	02APR04	14APR04	110		0.00	15,442.80	-12,354.24															
1406-103	Twisted Racetrack FDR			02APR04	16APR04*	108		0.00	0.00	0.00															
1406-103.0	Prep MIT plan		01APR04		16APR04	118		0.00	0.00	0.00															
1406-103.1	Twisted Racetrack Fab Preparedness Review			16APR04	30APR04*	108		0.00	0.00	0.00															
1406-104	Prepare Draft of Coil Test Plan	01OCT03A	01OCT03A	27FEB04	30APR04	108	50	2,573.80	5,147.60	-2,573.80															
1406-105	Prepare ANSYS thermal analysis model	31OCT03A	31OCT03A	31OCT03A	31OCT03A		100	2,573.80	2,573.80	0.00															
1406-106	Analyze Thermal Behavior due to pulse	31OCT03A	31OCT03A	31OCT03A	31OCT03A		100	2,573.80	2,573.80	0.00															
1406-107	Calculate EM Loads due to max current	03NOV03A	03NOV03A	26NOV03A	26NOV03A		100	5,147.60	5,147.60	0.00															
1406-108	Prep MECHANICA Struct Analysis Model	03NOV03A	03NOV03A	26NOV03A	26NOV03A		100	5,147.60	5,147.60	0.00															
1406-109	Analyze Stress/deflection due to cooldown,pulse	03NOV03A	03NOV03A	26NOV03A	26NOV03A		100	5,147.60	5,147.60	0.00															
1406-110	Finalize, Approve coil test plan	01DEC03A	01DEC03A	27FEB04	30APR04	186	50	5,147.60	10,295.20	-5,147.60															
<b>Twisted Racetrack Fabrication &amp; Winding (Chrzano)</b>																									
1406-014	Bid, Evaluate and Award Casting to EIO or JPP	01DEC03A	01DEC03A	23DEC03A	23DEC03A		100	0.00	0.00	0.00															
1406-016	Procure casting from EIO (new scope)	02FEB04	02FEB04A	31MAR04	23APR04	123	75	95,540.45	127,387.26	-31,846.81															
1406-016.1	Inspect & Measure Casting	01APR04	26APR04	14APR04	07MAY04	123		0.00	0.00	0.00															
1406-016.5	PPPL Fabricate chill plates and clamps	05APR04	19APR04	14MAY04	28MAY04	108		0.00	22,992.00	0.00															
1406-017	Wind twisted racetrack	17MAY04	01JUN04	14JUN04	28JUN04	108		0.00	24,576.00	0.00															

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**STATUS THROUGH  
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Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl't	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04					FY05																				
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
1406-018	Mold & VPI twisted racetrack	14JUL04	28JUL04	06AUG04	20AUG04	108		0.00	18,432.00	0.00	em/tb=240 hrs																									
1406-019	Setup coil in test stand	09AUG04	23AUG04	10AUG04	24AUG04	108		0.00	10,224.80	0.00	em/tb=48; ee/tb=32; ee/sm=4																									
1406-020	Begin Testing of Twisted RT in Coil test Stand	11AUG04	25AUG04			113		0.00	0.00	0.00	▼																									
1406-021	Perform tests	11AUG04	25AUG04	17AUG04	31AUG04	108		0.00	30,853.60	0.00	em/tb=128; ee/tb=56; Hatcher=40; Gettelfinger=40; C																									
1406-023	Section and Evaluate coil turns	18AUG04	01SEP04	24AUG04	08SEP04	108		0.00	0.00	0.00	▼																									
<b>Conductor Property Testing</b>																																				
1406-029	Fab New Specimen Molds	01DEC03A	01DEC03A	25FEB04	15APR04	1,395	85	19,543.20	22,992.00	-3,448.80	Machinist=160; em/tb=80																									
1406-029.1	Design samples		01MAR04A		31MAR04A		100	0.00	0.00	0.00	ETC+=williamson=80																									
1406-030	Fab & Pot samples	26JAN04A	26JAN04A	05MAR04	21APR04	126	50	18,432.00	36,864.00	-18,432.00	em/tb= 480																									
1406-031	Prep fixtures and test equipt	03NOV03A	03NOV03A	16FEB04	30APR04	129	75	51,925.50	69,234.00	-17,308.50	Kozub=160; Jurzynski=160 Machinist=240; 41=\$ 1 k																									
1406-032	Test samples	17FEB04*	01MAR04A	30MAR04	13MAY04	120	40	25,612.80	64,032.00	-38,419.20	Kozub=240; Jurzynski=240																									
1406-033	Prepare Test report	17MAR04*	30APR04*	06APR04	20MAY04	120		0.00	12,856.00	0.00	chrzanowski=80																									
1406-034	Mod Coil Conductor/Insulation FDR			13APR04*	20MAY04*	120		0.00	0.00	0.00	▼																									
<b>"inchworm" Twisted Winding</b>																																				
1406-119	Join straight sections w/2 end loops	01OCT03A	01OCT03A	30JAN04A	30JAN04A		100	31,590.00	31,590.00	0.00	welder=150; machinist=150																									
1406-120	Wind Conductor	30JAN04A	30JAN04A	25FEB04	21APR04	1,372	20	3,686.40	18,432.00	-14,745.60	em/tb=240																									
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	30JAN04A	30JAN04A					0.00	0.00	0.00	▼ Initiate Winding Process on a 3D Surface & Assess Implications f/ Design and Fabrication 2nd QUARTER FY04 (March 2004)																									
<b>Job: 1407 -Mod Coil Winding Facility-CHRZANOWSKI</b>																																				
<b>FY03 Actual Cost</b>																																				
1407-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	267,550.00	267,550.00	0.00	■																									
<b>Oversight and Supervision</b>																																				
1407-002	Winding Facility, Tooling, Materials Oversight	01OCT03A	01OCT03A	30JUN04	30JUN04	1,323	LOE	126,863.96	193,390.20	16.63	Chrzanowski= 432; Meighan=518 Raptopoulos=432																									
1407-002.1	Prep Winding Facility Ops Plan(reqd for TRT FRR)		01APR04		14APR04	120	LOE	0.00	0.00	0.00	■																									
1407-003	Winding Facility, Tooling, Design	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	68	92,567.58	136,128.80	26,136.73	PPPL DESIGN=1294 hrs																									
<b>Autoclave, Turning Fixture &amp; other components</b>																																				
1407-005	Domes & cylinder Fab & Deliver (PE4226)	01DEC03A	01DEC03A	23DEC03A	23DEC03A		100	20,167.42	20,167.42	0.00	41=\$16,825 (PE 4226)																									
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	31OCT03A	31OCT03A	31OCT03A	31OCT03A		100	509.60	509.60	0.00	41=\$0.4k (PE 4218)																									
1407-008	Remaining Autoclave components-Deliver	01OCT03A	01OCT03A	09MAR04	31MAR04A		100	11,466.00	11,466.00	0.00	41=\$9,000																									
1407-011	Fabricate Autoclave	01OCT03A	01OCT03A	08APR04	31MAR04A		100	163,036.80	163,036.80	7,642.35	em/sm (machinist)=288; em/tb=1728																									
1407-012	Autoclave PTP	09APR04	03MAY04*	15APR04	07MAY04	160		0.00	9,216.00	0.00	em/tb=120																									
1407-013	Autoclave PTP Complete			15APR04	07MAY04	168		0.00	0.00	0.00	▼																									
1407-100	Fabricate turning fixtures and coil supports	01DEC03A	01DEC03A	30JUN04	30JUN04	162	60	208,780.00	305,500.00	38,121.38	Machinist=400; em/tb=2600; 41 = \$																									
1407-100.2	Fabr turning fixt&coil supports **2nd line**	01JUL04	02FEB04A	30SEP04	30SEP04	211	50	99,255.00	179,400.00	99,255.00	em/sm=100,em/tb=1950.4																									
1407-098	Final Dwgs for winding clamps	01DEC03A	01DEC03A	27FEB04	15APR04	159	50	0.00	0.00	0.00	■																									
1407-099	Bid,Evaluate & Award Winding Clamps?????	01MAR04*	16APR04*	22MAR04	07MAY04	159		0.00	0.00	0.00	■																									
1407-110	Fabricate Winding clamp sets (100)	23MAR04*	10MAY04*	30JUN04	06JUL04	159		0.00	80,976.00	-7,983.55	Machinist=500; em/tb=120; 41=\$1																									

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04					FY05																				
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
1407-110.2	Fabr Winding clamp sets (100)**2nd line**	01OCT04*	01OCT04*	11JAN05	11JAN05	147		0.00	40,027.50	0.00	em/sm=125,em/tb=90.41=\$15																									
1407-115	Fabricate Conductor payout spool system	02FEB04*	01MAR04A	30JUN04	15JUL04	152	15	14,138.76	94,258.40	-23,740.78	Machinist=144; em/tb=864; 41=\$																									
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	01JUL04*	16JUL04*	30SEP04	14OCT04	201		0.00	66,297.20	0.00	em/sm=36,em/tb=648,41-																									
1407-125	Fabricate VPI tanks & equip/components	01MAR04*	02FEB04A	30JUN04	30JUN04	162	5	3,194.90	63,898.00	-13,697.68	41=\$ 17 k; em/tb=500																									
1407-130	Misc tools & equipt	01MAR04*	02FEB04A	30JUN04	30JUN04	162	10	5,096.00	50,960.00	-8,376.18	41=\$ 40 k																									
1407-135	Fabricate Coil support structure (2)	01MAR04*	01APR04*	30JUN04	30JUN04	162		0.00	40,388.00	-10,677.29	em/tb= 360; 41=\$ 10 k																									
<b>Area Preparation</b>																																				
1407-200	Decon TFTR test Cell Crane	26NOV03A	26NOV03A	26NOV03A	26NOV03A		N/R	18,432.00	18,432.00	0.00	em/tb=240																									
1407-202	Setup facility stations	16APR04*	01MAR04A	02JUL04	02JUL04	160	10	11,664.72	116,647.20	11,664.72	ee/sm=228; em/tb=1200																									
1407-204	Build cleanrooms (2) locations	16FEB04*	02FEB04A	29JUN04	29JUN04	226	40	53,015.00	108,650.00	15,666.56	em/tb=1000; 41=\$25k																									
1407-204.2	Build cleanroom (1 addl) **2nd line**	30JUN04	02FEB04A	30SEP04	30SEP04	211	29	15,642.50	54,325.00	15,642.50	em/tb=500.41=\$12.5																									
<b>Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI</b>																																				
<b>FY03 Actual Cost</b>																																				
1408-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	29,790.00	29,790.00	0.00																										
<b>Epoxy</b>																																				
1408-111	Epoxy -Spec & Requisition	14APR04	01APR04	27APR04	14APR04	171		0.00	0.00	0.00																										
1408-113	Epoxy -Bid & Award	28APR04	15APR04	09JUN04	26MAY04	171		0.00	0.00	0.00																										
1408-115	Epoxy -Delivery for Prototype	10JUN04	27MAY04	08JUL04	24JUN04	171		0.00	6,370.00	0.00	M&S= \$ 5 k																									
1408-117	Epoxy -1st Delivery for Production	21DEC04	28JAN05	19JAN05	24FEB05	96		0.00	19,380.00	0.00	M&S= \$ 15 k																									
1408-119	Epoxy -2nd Delivery for Production	21FEB05	23FEB05	18MAR05	22MAR05	123		0.00	19,380.00	0.00	M&S= \$ 15 k																									
1408-121	Epoxy -3rd Delivery for Production	16MAY05	18MAY05	13JUN05	15JUN05	122		0.00	19,380.00	0.00	M&S= \$ 15 k																									
1408-123	Epoxy -4th Delivery for Production	04AUG05	09AUG05	31AUG05	05SEP05	121		0.00	19,380.00	0.00	M&S= \$ 15 k																									
1408-125	Epoxy -5th Delivery for Production	25OCT05	27OCT05	21NOV05	23NOV05	123		0.00	19,575.00	0.00																										
1408-127	Epoxy -6th Delivery for Production	20JAN06	24JAN06	16FEB06	20FEB06	116		0.00	19,575.00	0.00																										
<b>Insulation for conductor</b>																																				
1408-101	Insulation-Spec & Requisition	14APR04	01APR04	20APR04	07APR04	151		0.00	0.00	0.00																										
1408-103	Insulation-Bid & Award	21APR04	08APR04	02JUN04	19MAY04	151		0.00	0.00	0.00																										
1408-105	Insulation-Delivery for Prototype	03JUN04	20MAY04	15JUL04	01JUL04	151		0.00	3,822.00	0.00	M&S= \$ 3 k																									
1408-107	Insulation-Delivery for Production	16JUL04	02JUL04	15OCT04	04OCT04	175		0.00	83,980.00	0.00	M&S= \$ 65 k																									
<b>Copper Conductor</b>																																				
1408-141	Copper Conductor -Spec & Requisition	14APR04	21MAY04	27APR04	04JUN04	120		0.00	0.00	0.00																										
1408-143	Copper Conductor -Bid & Award	28APR04	07JUN04	09JUN04	19JUL04	120		0.00	0.00	0.00																										
1408-143.1	Mod Coil Copper Conductor Awarded			09JUN04	19JUL04	120		0.00	0.00	0.00																										
1408-145	Copper Conductor -Delivery for Prototype	17JUN04	20JUL04	05AUG04	07SEP04	120		0.00	15,288.00	0.00	M&S= \$ 12 k																									
1408-147	Copper Conductor -Delivery for Production	05NOV04	15DEC04	19JAN05	24FEB05	96		0.00	301,036.00	0.00	M&S= \$ 240 k less \$7k in 1408																									
<b>Chill Plates and Clamps</b>																																				
1408-131	Chill plates & clamps -Spec & Requisition	26APR04	25JUN04	07MAY04	09JUL04	101		0.00	0.00	0.00																										

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## STATUS THROUGH APRIL 1, 2004



Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl't	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
1409-041	Fault Detection		01APR04		19MAY04	1,352		0.00	0.00	0.00	Gantt chart for 1409-041													
1409-042	Peer Review for Facility	16MAR04	01APR04	16MAR04	01APR04	1,386		0.00	0.00	0.00	Gantt chart for 1409-042													
1409-044	Preparedness Audit	06APR04	23APR04*	06APR04	23APR04	181		0.00	0.00	0.00	Gantt chart for 1409-044													
1409-046	Declare Coil Test Facility Available			10MAY04	28MAY04	166		0.00	0.00	0.00	Gantt chart for 1409-046													
<b>Job: 1410 Mod Coil Prototype Winding-CHRZANOWSKI</b>																								
<b>Prototype Winding</b>																								
141-3-44	Oversight and materials/supplies	29MAR04	25MAY04	20DEC04	24FEB05	96		0.00	131,483.38	-2,133.78	Gantt chart for 141-3-44													
141-3-44.9	Begin Winding on Prototype MCWF	06AUG04*	05OCT04*			101		0.00	0.00	0.00	Gantt chart for 141-3-44.9													
141-3-45	Wind & VPI prototype coil (stations 1 thru 5)	06AUG04*	05OCT04*	09DEC04	15FEB05	96		0.00	184,736.66	0.00	Gantt chart for 141-3-45													
141-3-46	Test prototype coil (station 6)	10DEC04	16FEB05	20DEC04	24FEB05	96		0.00	28,850.00	0.00	Gantt chart for 141-3-46													
141-3-45.1	Complete Prototype Winding (SOW 4.9)			20DEC04*	24FEB05*	96		0.00	0.00	0.00	Gantt chart for 141-3-45.1													
141-3-45.2	Final Procedures & Process Plan (SOW 4.10)	05NOV04	14JAN05	20DEC04	24FEB05	96		0.00	0.00	0.00	Gantt chart for 141-3-45.2													
<b>Job: 1411 - Modular Coil Casting Fabrication</b>																								
<b>Type 1 Castings</b>																								
172-031	Title III engr	24MAY04*	24MAY04*	29SEP06	29SEP06	761		0.00	289,943.89	0.00	Gantt chart for 172-031													
172-037	MCWF FAB ba=.6/3.22/1.02 BO=.4/2.6/1.84	30AUG04	01SEP04	11APR06	13APR06	115		0.00	5,274,392.53	0.00	Gantt chart for 172-037													
C-121	Castings-C-1-1 (1st MCC form delivered)	30AUG04	01SEP04	15DEC04	17DEC04	115		0.00	0.00	0.00	Gantt chart for C-121													
C-121.1	First MCWF Delivered			15DEC04	17DEC04	126		0.00	0.00	0.00	Gantt chart for C-121.1													
C-181	Castings-C-4-1	20DEC04	22DEC04	21JAN05	25JAN05	115		0.00	0.00	0.00	Gantt chart for C-181													
C-261	Castings-C-7-2	26JAN05	28JAN05	18FEB05	22FEB05	115		0.00	0.00	0.00	Gantt chart for C-261													
C-321	Castings-C-10-2	23FEB05	25FEB05	18MAR05	22MAR05	115		0.00	0.00	0.00	Gantt chart for C-321													
C-401	Castings-C-13-3	23MAR05	25MAR05	15APR05	19APR05	115		0.00	0.00	0.00	Gantt chart for C-401													
C-461	Castings-C-16-3	20APR05	22APR05	13MAY05	17MAY05	115		0.00	0.00	0.00	Gantt chart for C-461													
<b>Type 2 Castings</b>																								
C-101	Castings-Production casting tooling prep type MI	16DEC04	20DEC04	25MAR05	29MAR05	152		0.00	0.00	0.00	Gantt chart for C-101													
C-141	Castings-A-2-1	18MAY05	20MAY05	13JUN05	15JUN05	115		0.00	0.00	0.00	Gantt chart for C-141													
C-201	Castings-A-5-1	14JUN05	16JUN05	08JUL05	12JUL05	115		0.00	0.00	0.00	Gantt chart for C-201													
C-281	Castings-A-8-2	13JUL05	15JUL05	04AUG05	08AUG05	115		0.00	0.00	0.00	Gantt chart for C-281													
C-341	Castings-A-11-2	09AUG05	11AUG05	31AUG05	02SEP05	115		0.00	0.00	0.00	Gantt chart for C-341													
C-421	Castings-A-14-3	06SEP05	08SEP05	28SEP05	30SEP05	115		0.00	0.00	0.00	Gantt chart for C-421													
C-481	Castings-A-17-3	03OCT05	05OCT05	25OCT05	27OCT05	115		0.00	0.00	0.00	Gantt chart for C-481													
<b>Type 3 Castings</b>																								
C-102	Castings-Production casting tooling prep type BU	28MAR05	30MAR05	27JUN05	29JUN05	199		0.00	0.00	0.00	Gantt chart for C-102													
C-161B	Castings-B-3-1	28OCT05	01NOV05	21NOV05	23NOV05	115		0.00	0.00	0.00	Gantt chart for C-161B													
C-221B	Castings-B-6-1	28NOV05	30NOV05	20DEC05	22DEC05	115		0.00	0.00	0.00	Gantt chart for C-221B													
C-301B	Castings-B-9-2	23DEC05	04JAN06	24JAN06	26JAN06	115		0.00	0.00	0.00	Gantt chart for C-301B													

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NCSX  
ECP5 Baseline

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STATUS THROUGH  
APRIL 1, 2004

Legend:

- current schedule
- xECP5 Baseline
- Progress Bar
- Critical Activity



Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
C-361B	Castings-B-12-2	25JAN06	27JAN06	16FEB06	20FEB06	115		0.00	0.00	0.00														
C-441B	Castings-B-15-3	21FEB06	23FEB06	15MAR06	17MAR06	115		0.00	0.00	0.00														
C-501B	Castings-B-18-3 (last MCC form delivered)	20MAR06	22MAR06	11APR06	13APR06	115		0.00	0.00	0.00														
C-501B1	Last MCWF Delivered			11APR06	13APR06	115		0.00	0.00	0.00														
<b>Job: 1421 - Type C Winding/VPI</b>																								
<b>Labor</b>																								
171-040	Winding Oversight (LOE)	07DEC04*	07DEC04*	14SEP06	14SEP06	772		0.00	635,298.88	0.00	Chrzanowski=2302; Meighan=2302													
171-041	Modular Coil Winding (18 coils) (see detail sch)	20JAN05	25FEB05	08AUG06	07SEP06	96		0.00	3,138,723.18	0.00														
171-041CT	PBR Increment for cold testing	15MAR05	20APR05	08AUG06	07SEP06	96		0.00	430,218.41	0.00	Gettelfinger =216hr ; EM/TB =2592 hr ee//tb=1296;ee//sm=360;Marsala=288													
<b>Period 1</b>																								
P1-001	Prep casting C-1-1 (station 1)	04JAN05	06JAN05	19JAN05	21JAN05	120		0.00	0.00	0.00														
P1-011	Wind coil C-1-1 (station 2)	20JAN05*	25FEB05*	14MAR05	19APR05	96		0.00	0.00	0.00														
P1-021	VPI,Test &Ship C-1-1 (1st MCC fabr) (sta 4/5/6)	15MAR05	20APR05	29APR05	07JUN05	141		0.00	0.00	0.00														
P1-021.1	Complete First Mod Coil Fabrication			29APR05	07JUN05	323		0.00	0.00	0.00	PEP Date = August 2005													
P1-091	Prep casting C-4-1 (station 1)	24JAN05	26JAN05	08FEB05	10FEB05	125		0.00	0.00	0.00														
P1-101	Wind coil C-4-1 (station 3)	16FEB05*	24MAR05*	07APR05	13MAY05	96		0.00	0.00	0.00														
P1-111	VPI, Test & Ship C-4-1 (station 4/5/6)	08APR05	16MAY05	25MAY05	01JUL05	138		0.00	0.00	0.00														
<b>Period 2</b>																								
P2-001	Receive casting C7-2	21FEB05	23FEB05	08MAR05	10MAR05	127		0.00	0.00	0.00														
P2-011	Wind coil BA-7-2 (station 2)	15MAR05	20APR05	04MAY05	10JUN05	99		0.00	0.00	0.00														
P2-021	VPI,Test & Ship C-7-2 (station 4/5/6)	05MAY05	13JUN05	22JUN05	29JUL05	134		0.00	0.00	0.00														
P2-091	Receive casting C-10-2	21MAR05	23MAR05	05APR05	07APR05	122		0.00	0.00	0.00														
P2-101	Wind coil C-10-2 (station 3)	08APR05	16MAY05	31MAY05	07JUL05	96		0.00	0.00	0.00														
P2-111	VPI,Test & Ship C-10-2 (station 4/5/6)	01JUN05	08JUL05	19JUL05	24AUG05	131		0.00	0.00	0.00														
<b>Period 3</b>																								
P3-001	Receive casting C-13-3	18APR05	20APR05	03MAY05	05MAY05	124		0.00	0.00	0.00														
P3-011	Wind coil C-13-3 (station 2)	05MAY05	13JUN05	27JUN05	03AUG05	99		0.00	0.00	0.00														
P3-021	VPI,test & ship C-13-3 (station 4/5/6)	28JUN05	04AUG05	15AUG05	21SEP05	127		0.00	0.00	0.00														
P3-091	Receive casting C-16-3	16MAY05	18MAY05	01JUN05	03JUN05	119		0.00	0.00	0.00														
P3-101	Wind coil C-16-3 (station 3)	02JUN05	08JUL05	25JUL05	29AUG05	96		0.00	0.00	0.00														
P3-111	VPI,test & ship C-16-3 (station 4/5/6)	26JUL05	30AUG05	12SEP05	17OCT05	124		0.00	0.00	0.00														
<b>Job: 1422 - Type A Winding/VPI</b>																								
<b>Period 1</b>																								
P1-031	Receive casting A-2-1	14JUN05	16JUN05	29JUN05	01JUL05	121		0.00	0.00	0.00														
P1-041	Wind coil A-2-1 (station 2)	30JUN05	04AUG05	22AUG05	26SEP05	99		0.00	0.00	0.00														
P1-051	VPI, Test & Ship A-2-1 (station 4/5/6)	23AUG05	27SEP05	10OCT05	11NOV05	120		0.00	0.00	0.00														
P1-121	Receive casting A-5-1	11JUL05	13JUL05	26JUL05	28JUL05	118		0.00	0.00	0.00														

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current schedule  
 xECP5 Baseline  
 Progress Bar  
 Critical Activity

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**NCSX  
ECP5 Baseline**

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**STATUS THROUGH  
APRIL 1, 2004**

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl't	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
P1-131	Wind coil A-5-1 (station 3)	27JUL05	30AUG05	16SEP05	20OCT05	96		0.00	0.00	0.00	[Gantt Chart]													
P1-141	VPI,Test & Ship A-5-1 (station 4/5/6)	19SEP05	21OCT05	03NOV05	09DEC05	117		0.00	0.00	0.00	[Gantt Chart]													
<b>Period 2</b>																								
P2-031	Receive casting A-8-2	05AUG05	09AUG05	22AUG05	24AUG05	121		0.00	0.00	0.00	[Gantt Chart]													
P2-041	Wind coil A-8-2 (station 2)	23AUG05	27SEP05	13OCT05	16NOV05	99		0.00	0.00	0.00	[Gantt Chart]													
P2-051	VPI,Test & Ship A-8-2 (station 4/5/6)	14OCT05	17NOV05	02DEC05	13JAN06	113		0.00	0.00	0.00	[Gantt Chart]													
P2-121	Receive casting A-11-2	01SEP05	06SEP05	19SEP05	21SEP05	117		0.00	0.00	0.00	[Gantt Chart]													
P2-131	Wind coil A-11-2 (station 3)	20SEP05	21OCT05	09NOV05	14DEC05	96		0.00	0.00	0.00	[Gantt Chart]													
P2-141	VPI, test & Ship A-11-2 (station 4/5/6)	10NOV05	15DEC05	06JAN06	08FEB06	110		0.00	0.00	0.00	[Gantt Chart]													
<b>Period 3</b>																								
P3-031	Receive casting A-14-3	29SEP05	03OCT05	14OCT05	18OCT05	120		0.00	0.00	0.00	[Gantt Chart]													
P3-041	Wind coil A-14-3 (station 2)	17OCT05	17NOV05	08DEC05	18JAN06	99		0.00	0.00	0.00	[Gantt Chart]													
P3-051	VPI,Test & ship A-14-3 (station 4/5/6)	09DEC05	19JAN06	02FEB06	07MAR06	106		0.00	0.00	0.00	[Gantt Chart]													
P3-121	Receive casting A-17-3	26OCT05	28OCT05	10NOV05	14NOV05	116		0.00	0.00	0.00	[Gantt Chart]													
P3-131	Wind coil A-17-3 (station 3)	11NOV05	15DEC05	12JAN06	13FEB06	96		0.00	0.00	0.00	[Gantt Chart]													
P3-141	VPI,Test & ship A-17-3 (station 4/5/6)	13JAN06	14FEB06	01MAR06	31MAR06	103		0.00	0.00	0.00	[Gantt Chart]													
<b>Job: 1423 - Type B Winding/VPI</b>																								
<b>Period 1</b>																								
P1-061	Receive casting B-3-1	22NOV05	28NOV05	09DEC05	13DEC05	119		0.00	0.00	0.00	[Gantt Chart]													
P1-071	Wind coil B-3-1 (station 2)	12DEC05	19JAN06	08FEB06	10MAR06	99		0.00	0.00	0.00	[Gantt Chart]													
P1-081	VPI,Test & Ship B-3-1 (station 4/5/6)	09FEB06	13MAR06	28MAR06	27APR06	99		0.00	0.00	0.00	[Gantt Chart]													
P1-151	Receive casting B-6-1	21DEC05	23DEC05	13JAN06	17JAN06	115		0.00	0.00	0.00	[Gantt Chart]													
P1-161	Wind coil B-6-1 (station 3)	16JAN06	14FEB06	07MAR06	05APR06	96		0.00	0.00	0.00	[Gantt Chart]													
P1-171	VPI,Test & Ship B-6-1 (station 4/5/6)	08MAR06	06APR06	24APR06	23MAY06	96		0.00	0.00	0.00	[Gantt Chart]													
<b>Period 2</b>																								
P2-061	Receive casting B-9-2	25JAN06	27JAN06	09FEB06	13FEB06	118		0.00	0.00	0.00	[Gantt Chart]													
P2-071	Wind coil B-9-2 (station 2)	10FEB06	13MAR06	03APR06	02MAY06	99		0.00	0.00	0.00	[Gantt Chart]													
P2-081	VPI,Test & Ship B-9-2 (station 4/5/6)	04APR06	03MAY06	19MAY06	20JUN06	99		0.00	0.00	0.00	[Gantt Chart]													
P2-151	Receive casting B-12-2	17FEB06	21FEB06	06MAR06	08MAR06	116		0.00	0.00	0.00	[Gantt Chart]													
P2-161	Wind coil B-12-2 (station 3)	08MAR06	06APR06	27APR06	26MAY06	96		0.00	0.00	0.00	[Gantt Chart]													
P2-171	VPI,Test & Ship B-12-2 (station 4/5/6)	28APR06	30MAY06	15JUN06	17JUL06	96		0.00	0.00	0.00	[Gantt Chart]													
<b>Period 3</b>																								
P3-061	Receive casting B-15-3	16MAR06	20MAR06	31MAR06	04APR06	119		0.00	0.00	0.00	[Gantt Chart]													
P3-071	Wind coil B-15-3 (station 2)	04APR06	03MAY06	24MAY06	23JUN06	99		0.00	0.00	0.00	[Gantt Chart]													
P3-081	VPI,Test & ship B-15-3 (station 4/5/6)	25MAY06	26JUN06	13JUL06	11AUG06	99		0.00	0.00	0.00	[Gantt Chart]													
P3-151	Receive casting B-18-3	12APR06	14APR06	27APR06	01MAY06	115		0.00	0.00	0.00	[Gantt Chart]													
P3-161	Wind coil B-18-3 (station 3)	28APR06	30MAY06	20JUN06	20JUL06	96		0.00	0.00	0.00	[Gantt Chart]													

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	FY04							FY05																					
											S	O	N	D	J	F	M	A	M	J	J	A	S	S	O	N	D	J	F	M	A	M	J	J	A	E			
P3-171	Apply Mold, VPI ,Test & ship B-18-3 (last mcc)	21JUN06	21JUL06	08AUG06	07SEP06	96		0.00	0.00	0.00																													
<b>Job: 1431 - Modular Coil Local I&amp;C</b>																																							
174-001	Title I design WBS 143 Mod coil local I&C	03OCT05*	03OCT05*	11NOV05	11NOV05	316		0.00	14,027.29	0.00																													
174-011	Title II design WBS 143 Mod coil local I&C	14NOV05	14NOV05	04JAN06	04JAN06	316		0.00	14,027.29	0.00																													
174-035	Modular Coil local I&C -Procurement	05JAN06	05JAN06	29MAR06	29MAR06	321		0.00	17,395.65	0.00																													
174-036	Modular Coil local I&C -Title III	05JAN06	05JAN06	26APR06	26APR06	884		0.00	5,529.26	0.00																													
174-037	Modular Coil local I&C -Install	15JAN07*	15JAN07*	09FEB07	09FEB07	120		0.00	70,223.20	0.00																													
<b>15 - Structures</b>																																							
<b>Job: 1501 - Structures Design- Kalish</b>																																							
<b>PDR/PBR Task List</b>																																							
1501-105	Project PDR	07OCT03A	07OCT03A	07OCT03A	07OCT03A		100	0.00	0.00	0.00																													
1501-109	Prepare FY 04 WP/WAF	31OCT03A	31OCT03A	31OCT03A	31OCT03A		100	12,856.00	12,856.00	0.00																													
1501-113	Prepare PBR documentation	04NOV03A	04NOV03A	18NOV03A	18NOV03A		100	6,428.00	6,428.00	0.00																													
1501-117	Performance baseline review			18NOV03A	18NOV03A		100	0.00	0.00	0.00																													
<b>Reqmnts, Configuration, Interfaces and PDR</b>																																							
1501-121	Reqmnts, Config, Interfaces, PDR (summary task)	21OCT03A	21OCT03A	30JUN04	15JUL04	184	LOE	0.00	0.00	0.00																													
1501-125	Update drawings & models based on vendor recomm	21OCT03A	21OCT03A	26NOV03A	26NOV03A		100	28,765.30	28,765.30	6,267.30																													
1501-129	Develop a SRD design to spec	02FEB04	01APR04	08APR04	08APR04	242		0.00	6,267.30	0.00																													
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	03NOV03A	27APR04	27APR04	239	90	5,640.57	6,267.30	5,640.57																													
1501-137	Prepare assembly & interface drawings for ICDS	21APR04	05MAY04	02JUN04	16JUN04	184		0.00	28,765.30	0.00																													
1501-141	Finalize and approve all ICDS	03JUN04	17JUN04	30JUN04	15JUL04	184		0.00	6,267.30	0.00																													
1501-145	Prepare assembly drawings for structure / coils	05MAY04	19MAY04	16JUN04	30JUN04	184		0.00	28,765.30	0.00																													
1501-149	Update design basis document; address size and w	17JUN04	01JUL04	30JUN04	15JUL04	184		0.00	6,267.30	0.00																													
1501-157	Perform RAM & ES&H analyses document in design b	04JUN04	18JUN04	30JUN04	15JUL04	184		0.00	6,267.30	0.00																													
1501-161	Update cost and schedule	17JUN04	01JUL04	30JUN04	15JUL04	184		0.00	6,267.30	0.00																													
1501-162	PDR Preparation	10JUN04	24JUN04*	30JUN04	15JUL04	184		0.00	6,267.30	0.00																													
1501-165	Perform Coil Support Structure PDR			30JUN04*	15JUL04*	184		0.00	0.00	0.00																													
<b>Preliminary Design Analyses</b>																																							
1501-169	Design Analyses (summary task)	11MAY04	25MAY04	30JUN04	15JUL04	184		0.00	0.00	0.00																													
1501-173	Update ANSYS model of coils & structure	11MAY04	25MAY04	09JUN04	23JUN04	184		0.00	10,548.20	0.00																													
1501-177	Perform structural stress analyses	11MAY04	25MAY04	09JUN04	23JUN04	184		0.00	10,548.20	0.00																													
1501-181	Perform structural deflection analyses	11MAY04	25MAY04	09JUN04	23JUN04	184		0.00	10,548.20	0.00																													
1501-185	Check EM loads for reference scenarios	02JUN04	16JUN04	30JUN04	15JUL04	184		0.00	10,548.20	0.00																													
1501-189	Perform EM combined loads & fault conditions	02JUN04	16JUN04	30JUN04	15JUL04	184		0.00	10,869.60	0.00																													
1501-221	Prepare Failure Modes Assessment (FMECA)	18MAY04	02JUN04	30JUN04	15JUL04	184		0.00	4,499.60	0.00																													

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04						FY05																			
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
<b>Structures Final Design</b>																																				
1501-205	Structures FDR (summary task)	01JUL04	16JUL04	26JAN05	09FEB05	184		0.00	0.00	0.00	ea//dm=120; Helzenroeder=344																									
1501-197	Update analyses based on PDR recommendations	01JUL04	16JUL04	12AUG04	26AUG04	184		0.00	6,106.60	0.00																										
1501-201	Independent check of EM/ ANSYS analyses	13AUG04	27AUG04	24SEP04	08OCT04	184		0.00	6,106.60	0.00																										
1501-209	Prepare final drawings	01JUL04*	16JUL04*	30AUG04	14SEP04	202		0.00	18,962.60	0.00																										
1501-213	Check & promote models / drawings	27SEP04	11OCT04	26OCT04	09NOV04	184		0.00	12,821.78	0.00																										
1501-217	Update build to spec / sow	27OCT04	10NOV04	23NOV04	09DEC04	184		0.00	6,277.60	0.00																										
1501-225	Update design basis document	24NOV04	10DEC04	23DEC04	10JAN05	184		0.00	6,277.60	0.00																										
1501-229	Update cost & schedule estimates	10DEC04	27DEC04	26JAN05	09FEB05	184		0.00	6,277.60	0.00																										
1501-233	Prepare FDR documentation / presentations	10DEC04	27DEC04	26JAN05	09FEB05	184		0.00	6,442.80	0.00																										
1501-237	Prepare ECP for FDR	10DEC04	27DEC04	26JAN05	09FEB05	184		0.00	6,442.80	0.00																										
1501-241	FDR Coil Support Structure			26JAN05	09FEB05	184		0.00	0.00	0.00																										
<b>Job: 1520-Structures Procure,Fab,Title III</b>																																				
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	05MAY05	05MAY05	05AUG05	05AUG05	124		0.00	0.00	0.00																										
162-036.9	Award Coil Support Assy			05AUG05*	05AUG05*	119		0.00	0.00	0.00																										
162-037	WBS 151Coil Support Assy Procurement [A/1]	08AUG05	08AUG05	04AUG06	04AUG06	119		0.00	987,052.92	0.00	41=500\$k; 4E = 313.98 ; 35=02\$k ;																									
162-031	Title III engr WBS 151	08AUG05	08AUG05	04AUG06	04AUG06	800		0.00	153,504.56	0.00	Helzenroeder=720;ea//dm=218;ornlem=62																									
153.037	WBS 153 Support Structure I&C Procurement/Fab	03OCT05*	03OCT05*	29SEP06	29SEP06	232		0.00	8,464.20	0.00																										
153.015	Title III design WBS 153 local&C	03OCT05*	03OCT05*	29SEP06	29SEP06	761		0.00	4,648.46	0.00																										
<b>16 - Coil Services</b>																																				
<b>161 - LN2 Distribution</b>																																				
191-001	Title I design WBS 161 LN2 manifolds&pipng	01DEC05*	01DEC05*	09MAR06	09MAR06	127		0.00	49,812.41	0.00																										
191-011	Title II design WBS 161 LN2 manifolds&pipng	10MAR06	10MAR06	02JUN06	02JUN06	127		0.00	99,769.73	0.00																										
191-031	Title III engr WBS 161	05JUN06*	05JUN06*	17JUL07	17JUL07	564		0.00	14,468.81	0.00																										
191-037	Procurement WBS 161	05JUN06*	05JUN06*	07DEC06	07DEC06	127		0.00	69,999.49	0.00																										
191-038	PDR#17	08DEC06*	08DEC06*	18JUN07	18JUN07	584		0.00	59,974.72	0.00																										
191-041	LN2 Manifolds & ppg Fab/assy WBS 161	08DEC06*	08DEC06*	16MAR07	16MAR07	127		0.00	32,986.60	0.00																										
191-042	PDR #17,25,3	08DEC06*	08DEC06*	16MAR07	16MAR07	649		0.00	10,512.80	0.00																										
<b>162 - Electrical Leads</b>																																				
132-000	PDR #17 & 25	30NOV05*	30NOV05*	22MAR07	22MAR07	645		0.00	40,162.88	0.00																										
132-001	Title I design WBS 162 Coil leads	01DEC05*	01DEC05*	09JUN06	09JUN06	127		0.00	129,613.39	0.00																										
132-011	Title II design WBS 162 Coil leads	12JUN06	12JUN06	14DEC06	14DEC06	127		0.00	133,039.37	0.00																										
132-015	Title III design WBS 162 Coil leads	15DEC06*	15DEC06*	16MAR07	16MAR07	649		0.00	16,105.48	0.00																										
132-037	Coil Leads Procurement WBS 162	15DEC06*	15DEC06*	16MAR07	16MAR07	127		0.00	302,334.24	0.00																										

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current schedule  
 xECP5 Baseline  
 Progress Bar  
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**STATUS THROUGH  
APRIL 1, 2004**

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
<b>163 - Coil Protection System</b>																								
163.001	Title I design WBS 163 Coil protection	03OCT05*	03OCT05*	11JAN06	11JAN06	905		0.00	39,029.02	0.00														
163.011	Title II design WBS 163 Coil protection	12JAN06	12JAN06	08MAR06	08MAR06	905		0.00	39,029.02	0.00														
<b>17 - Cryostat and Base Support Structure</b>																								
<b>Job:1701-Cryostat&amp;Base Sprt Strct Dsn-GETTLEFINGER</b>																								
<b>FY03 Actual Cost</b>																								
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	12,180.00	12,180.00	0.00														
151-000	Adv Concep Design Cryostat shell & struct		01DEC03A		30APR04	1,365		0.00	0.00	0.00	Rushinski=173													
151-001	Title I design WBS 171 cryostat shell & struct	03MAY04*	03MAY04*	22SEP04	22SEP04	171		0.00	110,056.40	0.00	gettelfinger =488hr ; Paul													
151-002	Cryostat & Base Support Struct PDR			22SEP04	22SEP04	171		0.00	0.00	0.00	Paul =170hr ;gettelfinger													
161-001	Title I design WBS 172 base support struct	03MAY04*	03MAY04*	22SEP04	22SEP04	171		0.00	50,507.00	0.00														
<b>171 - Cryostat</b>																								
151-011	Title II design WBS 171 cryostat shell & struct	01OCT04*	01OCT04*	22SEP05	22SEP05	171		0.00	226,216.90	0.00														
151-012	WBS 17 FDR			22SEP05	22SEP05	171		0.00	0.00	0.00														
151-031	Title III engr	15DEC05	15DEC05	28MAR07	28MAR07	641		0.00	30,815.05	0.00														
151-036.8	Prep Spec, Solicit bids, and Select Vendor	15DEC05*	15DEC05*	23MAR06	23MAR06	124		0.00	0.00	0.00														
151-036.9	Award Cryostat Procurement			23MAR06	23MAR06	124		0.00	0.00	0.00														
151-037	Cryostat Procurement [A/1]	24MAR06	24MAR06	22MAR07	22MAR07	124		0.00	479,215.43	0.00														
<b>172 - Base Support Structure</b>																								
161-011	Title II design WBS 172 base support struct	23SEP04	23SEP04	22SEP05	22SEP05	171		0.00	54,706.46	0.00														
161-031	Title III engr WBS 172	01DEC05	01DEC05	10JUL06	10JUL06	819		0.00	46,651.32	0.00														
161-036.8	Prep Spec, Solicit bids, and Select Vendor	01DEC05*	01DEC05*	09MAR06	09MAR06	124		0.00	0.00	0.00														
161-036.9	Award Machine Base&supports Procurement			09MAR06	09MAR06	124		0.00	0.00	0.00														
161-037	Machine Base&supports Procurement [A/1]	10MAR06	10MAR06	17JUL06	17JUL06	124		0.00	286,302.65	0.00														
<b>18 - Field Period Assembly</b>																								
<b>Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)</b>																								
<b>FY03 Actual Cost</b>																								
1801-001	Apr-Sept MIE Costs PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	7,750.00	7,750.00	0.00														
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	53,050.00	53,050.00	0.00														
<b>Job: 1802 - FP Assy Oversight&amp;Support-VIOLA</b>																								
<b>Oversight and Supervision</b>																								
181.100	PPPL EM LOE FY04	13OCT03A	13OCT03A	30SEP04	30SEP04	1,259	LOE	36,713.27	77,947.50	-5.80	Viola =397; Travel=\$8k													
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04*	02FEB04A	30SEP04	30SEP04	1,259	LOE	28,945.32	115,320.00	-53.28	Health Physics Techs=1200													
181.201	D-Site Shift Supervisor LOE FY04	02FEB04*	01APR04*	30SEP04	30SEP04	1,259		0.00	25,920.40	-6,518.00	ee/em (shift supervisor)=17													
181.110	PPPL EM LOE FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010		0.00	146,784.00	0.00	Viola=800; travel=\$8k													
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010		0.00	128,440.00	0.00	sh/tb=1300													

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STATUS THROUGH  
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Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart												
											FY04						FY05						
											S	O	N	D	J	F	M	A	M	J	J	A	S
181.310	ORNL EM LOE FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010		0.00	119,316.89	0.00	COLE=847												
181.120	PPPL EM LOE FY06	03OCT05*	03OCT05*	02OCT06	02OCT06	760		0.00	451,299.93	0.00													
181.220	HP Coverage in the TFTR TC LOE FY06	03OCT05*	03OCT05*	02OCT06	02OCT06	760		0.00	130,690.04	0.00													
181.320	ORNL EM LOE FY06	03OCT05*	03OCT05*	02OCT06	02OCT06	760		0.00	122,771.80	0.00													
<b>Job: 1803- FP Assy Tooling/Constructability-COLE</b>																							
<b>Tooling Design &amp; Fabrication</b>																							
713A.010	Design Tooling	02FEB04	01APR04	30SEP04	30SEP04	268	LOE	0.00	324,951.05	-81,712.84	Cole=1052; ORNL Design=												
713A.010A	FP Assy Tooling Rqmnts&Constructability Peer Rvw			30MAR04*	31MAR04A			0.00	0.00	0.00													
713.010B	Tooling & Constructability FDR			30SEP04	30SEP04	268		0.00	0.00	0.00													
713A.032	Fabricate-TF Coil sub-assy frame/manipulator	18MAR05*	18MAR05*	22DEC05	22DEC05	210		0.00	10,366.40	0.00	41=\$ 8 k												
713A.030	Fabricate-VV supporting fixture (3)	20APR05*	20APR05*	01FEB06	01FEB06	134		0.00	97,300.00	0.00	41=\$ 75 k												
713A.031	Fabricate-Modular Coil sub-assy frame/manip/fixt	17JUN05*	17JUN05*	30MAR06	30MAR06	121		0.00	209,310.73	0.00	41=\$ 161 k												
713A.033	Fabricate-Full FP support fixture (3)	07JUL05*	07JUL05*	18APR06	18APR06	123		0.00	9,757.00	0.00	41=\$ 7.5 k												
713A.034	Fabricate-VV port welding fixtures	29JUL05*	29JUL05*	10MAY06	10MAY06	175		0.00	13,020.00	0.00	41=\$ 10 k												
713A.040	General procurements	01OCT04*	01OCT04*	29SEP06	29SEP06	761		0.00	25,970.00	0.00	41=\$20k												
713A.050	Welding tools, materials & equipt	01OCT04*	01OCT04*	29SEP06	29SEP06	761		0.00	58,432.50	0.00	41=\$45k												
713A.020	Lab Fab/Assy/Installation	25FEB05*	25FEB05*	02OCT06	02OCT06	760		0.00	349,167.95	0.00	Raftopoulos=126;em//sm=494 em//tb=1344;COLE=1042;Tavel=\$ 10 k												
713A.060	Instl He gas piping from NSTX to D-site tc	03OCT05*	03OCT05*	08FEB06	08FEB06	925		0.00	0.00	0.00													
<b>Tooling R&amp;D</b>																							
713A.011	Tooling R&D-Design VV/MCWF Mockups inc pdr#20	01DEC03A	01DEC03A	05APR04	05MAY04	454	10	3,873.57	38,735.69	-33,478.70	Cole=301												
713A.012	Tooling R&D-Procure VV & MCWF Mockups [A/9]	06APR04	06MAY04	01SEP04	04OCT04	454		0.00	157,976.00	0.00	41=\$124.0k												
713A.013	Tooling R&D-Inspection & assy trails	15NOV04	15NOV04	03FEB05	03FEB05	425		0.00	47,501.60	0.00	em//sm=72;em//tb=168 Raftopoulos=160												
<b>Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS</b>																							
<b>Metrology</b>																							
740.010	Final Design Measurement systems	19JAN04A	19JAN04A	30SEP04	30SEP04	1,259		20,340.76	69,422.40	12.65	Raftopoulos= 432												
740.011	3-D Scanner/Faro Arm FDR			30JAN04A	30JAN04A			0.00	0.00	0.00													
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	30JAN04A	30JAN04A	30JAN04A			0.00	0.00	0.00													
740.030	Deliver 3-D Scanner & Romer Arm	30MAR04*	15APR04*	30MAR04	14MAY04	194		0.00	171,990.00	-171,990.00	41=\$ 135 k												
740.031	Metrology Software Review			30JAN04A	30JAN04A			0.00	0.00	0.00													
740.032	Prepare Met Software Requisition	30JAN04A	30JAN04A	30JAN04A	30JAN04A			0.00	0.00	0.00													
740.035	Deliver Metrology Software	31MAR04*	01APR04*	14JUN04	15JUN04	1,334		0.00	57,266.30	0.00	41=\$ 44.95 k R400938												
740.041	FP Assy Laser based GPS Sys Review			02AUG04*	02AUG04*	425		0.00	0.00	0.00													
740.042	Prepare GPS Sys Requisition	03AUG04	03AUG04	16AUG04	16AUG04	425		0.00	0.00	0.00													
740.043	Bid,Evaluate & Award GPS sys	17AUG04	17AUG04	01OCT04	01OCT04	425		0.00	0.00	0.00													
740.044	Deliver GPS sys	04OCT04	04OCT04	12NOV04	12NOV04	425		0.00	129,200.00	0.00	\$100k laser based gps sys												
740.020	Faculty Prep	03OCT05*	03OCT05*	22FEB06	22FEB06	162		0.00	60,384.40	0.00													

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
740.045	Purchase- second Faro Arm (was under WBS 14)	01OCT04*	01OCT04*	04MAR05	04MAR05	1,157		0.00	71,060.00	0.00	[Gantt bars for FY04 and FY05]													
740.050	Purchase- targets [A/9]	01JUL05*	01JUL05*	12JAN06	12JAN06	944		0.00	32,300.00	0.00	[Gantt bars for FY04 and FY05]													
<b>1808 - TF/Mod Coil Sub-Assembly</b>																								
<b>Modular Coil Sub-assembly</b>																								
184-200	Mount/align right mod coil in fixture-Period #1	31MAR06	28APR06	20APR06	18MAY06	101		0.00	47,404.80	0.00	[Gantt bar]													
184-205	Mount/align left mod coil in fixture-Period #1	25APR06	24MAY06	10MAY06	09JUN06	96		0.00	38,980.80	0.00	[Gantt bar]													
184-210	Mount/align right mod coil in fixture-Period #2	22MAY06	21JUN06	07JUN06	07JUL06	104		0.00	38,980.80	0.00	[Gantt bar]													
184-215	Mount/align left mod coil in fixture-Period #2	16JUN06	18JUL06	03JUL06	02AUG06	96		0.00	38,980.80	0.00	[Gantt bar]													
184-220	Mount/align right mod coil in fixture-Period #3	14JUL06	14AUG06	31JUL06	29AUG06	104		0.00	38,980.80	0.00	[Gantt bar]													
184-225	Mount/align left mod coil in fixture-Period #3	09AUG06	08SEP06	24AUG06	25SEP06	96		0.00	38,980.80	0.00	[Gantt bar]													
P1-000	PDR # 19 MCWF fitup	21APR06	19MAY06	01SEP06	02OCT06	760		0.00	16,428.30	0.00	[Gantt bar]													
<b>TF Coil Sub-assembly</b>																								
722.010	Receive/Inspect TF & PF Coils	03OCT05*	03OCT05*	29SEP06	29SEP06	761		0.00	77,365.60	0.00	[Gantt bar]													
184-100	Assemble 3 TF coils&structure -Right -Period #1	17FEB06	17FEB06	02MAR06	02MAR06	176		0.00	34,504.00	0.00	[Gantt bar]													
184-105	Assemble 3 TF coils&structure -Left -Period #1	03MAR06	03MAR06	16MAR06	16MAR06	176		0.00	34,504.00	0.00	[Gantt bar]													
184-110	Assemble 3 TF coils&structure -Right -Period #2	17MAR06	17MAR06	30MAR06	30MAR06	193		0.00	34,504.00	0.00	[Gantt bar]													
184-115	Assemble 3 TF coils&structure -Left -Period #2	26APR06	26APR06	09MAY06	09MAY06	175		0.00	34,504.00	0.00	[Gantt bar]													
184-120	Assemble 3 TF coils&structure -Right -Period #3	21JUL06	21JUL06	03AUG06	03AUG06	142		0.00	34,504.00	0.00	[Gantt bar]													
184-125	Assemble 3 TF coils&structure -Left -Period #3	18SEP06	18SEP06	29SEP06	29SEP06	112		0.00	34,504.00	0.00	[Gantt bar]													
<b>Job:1810 - Field Period Assembly</b>																								
<b>Period 1</b>																								
721.010	Area preparations	03OCT05*	03OCT05*	15FEB06	15FEB06	124		0.00	92,942.40	0.00	[Gantt bar]													
725.001	Assemble Field Period #1 (summary task)	28APR06	26MAY06	07SEP06	05OCT06	127		0.00	290,396.00	0.00	[Gantt bar]													
P1-180	Rec'v VV,Attach clng tubes &Insul to 1st Period	06MAR06	06MAR06	27APR06	27APR06	112		0.00	95,908.80	0.00	[Gantt bar]													
P1-180.9	Begin Assembly of First Field Period	28APR06	26MAY06			96		0.00	0.00	0.00	[Gantt bar]													
P1-181	Assemble 1st. Field Period - coils/VV	28APR06	26MAY06	20JUN06	19JUL06	96		0.00	0.00	0.00	[Gantt bar]													
P1-191	Position and weld port assemblies	21JUN06	20JUL06	12JUL06	09AUG06	127		0.00	0.00	0.00	[Gantt bar]													
P1-201	Bakeout vessel segment to 150 degrees C	13JUL06	10AUG06	20JUL06	17AUG06	127		0.00	0.00	0.00	[Gantt bar]													
P1-211	vacuum leak check &Ext Trim coil instl	21JUL06	18AUG06	24AUG06	22SEP06	127		0.00	0.00	0.00	[Gantt bar]													
P1-221	Prepare field period for shipment	25AUG06	25SEP06	31AUG06	29SEP06	127		0.00	0.00	0.00	[Gantt bar]													
P1-231	Ship 1st. Field period	01SEP06	02OCT06	06SEP06	04OCT06	127		0.00	0.00	0.00	[Gantt bar]													
P1-241	Field period 1 ready for installation	07SEP06	05OCT06	07SEP06	05OCT06	127		0.00	0.00	0.00	[Gantt bar]													
<b>Period 2</b>																								
725.101	Assemble Field Period #2 (summary task)	23JUN06	20JUL06	31OCT06	28NOV06	111		0.00	295,816.41	0.00	[Gantt bar]													
P2-180	Rec'v VV,Attach clng tubes &Insul to 2nd Period	28APR06	28APR06	22JUN06	22JUN06	112		0.00	95,908.80	0.00	[Gantt bar]													
P2-181	Assemble 2nd. Field Period- coils/ VV	23JUN06	20JUL06	15AUG06	11SEP06	96		0.00	0.00	0.00	[Gantt bar]													
P2-191	Position and weld port assemblies	16AUG06	12SEP06	06SEP06	02OCT06	111		0.00	0.00	0.00	[Gantt bar]													

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	current schedule
	xECP5 Baseline
	Progress Bar
	Critical Activity

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**STATUS THROUGH  
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Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl't	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
P2-201	Bakeout vessel segment to 150 degrees C	07SEP06	03OCT06	14SEP06	10OCT06	111		0.00	0.00	0.00	[Gantt Chart]													
P2-211	vacuum leak check & Ext Trim coil instl	15SEP06	11OCT06	19OCT06	14NOV06	111		0.00	0.00	0.00	[Gantt Chart]													
P2-221	Prepare field period for shipment	20OCT06	15NOV06	26OCT06	21NOV06	111		0.00	0.00	0.00	[Gantt Chart]													
P2-231	Ship 2nd. Field period	27OCT06	22NOV06	31OCT06	28NOV06	111		0.00	0.00	0.00	[Gantt Chart]													
P2-241	Field Period 2 ready for installation	01NOV06	29NOV06	01NOV06	29NOV06	111		0.00	0.00	0.00	[Gantt Chart]													
<b>Period 3</b>																								
725.201	Assemble Field Period #3 (summary task)	18AUG06	12SEP06	03JAN07	25JAN07	96		0.00	305,343.20	0.00	[Gantt Chart]													
P3-180	Rec'v VV, Attach clng tubes & Insul to 3rd Period	23JUN06*	23JUN06*	17AUG06	17AUG06	112		0.00	95,908.80	0.00	[Gantt Chart]													
P3-181	Assemble 3rd. Field Period - coils/ VV	18AUG06	12SEP06	10OCT06	01NOV06	96		0.00	0.00	0.00	[Gantt Chart]													
P3-191	Position and weld port assemblies	11OCT06	02NOV06	31OCT06	22NOV06	96		0.00	0.00	0.00	[Gantt Chart]													
P3-201	Bakeout vessel segment to 150 degrees C	01NOV06	27NOV06	07NOV06	01DEC06	96		0.00	0.00	0.00	[Gantt Chart]													
P3-211	vacuum leak check & Ext Trim coil instl	08NOV06	04DEC06	14DEC06	15JAN07	96		0.00	0.00	0.00	[Gantt Chart]													
P3-221	Prepare field period for shipment	15DEC06	16JAN07	21DEC06	22JAN07	96		0.00	0.00	0.00	[Gantt Chart]													
P3-231	Ship 3rd. Field Period	22DEC06	23JAN07	03JAN07	25JAN07	96		0.00	0.00	0.00	[Gantt Chart]													
P3-241	3rd. Period ready for installation	04JAN07	26JAN07	04JAN07	26JAN07	96		0.00	0.00	0.00	[Gantt Chart]													
P3-241.1	Last Field Period Assembled			04JAN07	26JAN07	96		0.00	0.00	0.00	[Gantt Chart]													
P1-180A	cd-4 350c increment	06MAR06	06MAR06	07AUG06	07AUG06	799		0.00	38,544.00	0.00	[Gantt Chart]													
<b>19 - Stellarator Core Management and Integration</b>																								
<b>Job: 1901 - Stellarator Core Mngt&amp;Integr-NELSON</b>																								
<b>FY03 Actual Cost</b>																								
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	187,090.00	187,090.00	0.00	[Gantt Chart]													
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	67,070.00	67,070.00	0.00	[Gantt Chart]													
<b>191 - Stellarator Core Management &amp; Oversight</b>																								
191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	71,101.53	145,699.85	0.00	[Gantt Chart]													
0191-5	LOE-FY05 WBS 191	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010	LOE	0.00	197,596.67	0.00	[Gantt Chart]													
0191-6	LOE-FY06 WBS 191	03OCT05*	03OCT05*	02OCT06	02OCT06	526	LOE	0.00	190,877.89	0.00	[Gantt Chart]													
0191-6X	LOE-FY07 WBS 191	03OCT06*	03OCT06*	10SEP07	10SEP07	526	LOE	0.00	199,716.12	0.00	[Gantt Chart]													
0191-91	LOE-FY06 WBS 191 1 mo SO	01OCT07*	01OCT07*	30OCT07	30OCT07	346	LOE	0.00	20,250.00	0.00	[Gantt Chart]													
0191-92	LOE-FY06 WBS 191 1 mo SO	31OCT07*	31OCT07*	28NOV07	28NOV07	346	LOE	0.00	20,250.00	0.00	[Gantt Chart]													
0191-93	LOE-FY06 WBS 191 1 mo SO	03DEC07*	03DEC07*	21DEC07	21DEC07	346	LOE	0.00	20,250.00	0.00	[Gantt Chart]													
0191-94	LOE-FY06 WBS 191 1 mo SO	01JAN08*	01JAN08*	30JAN08	30JAN08	346	LOE	0.00	20,250.00	0.00	[Gantt Chart]													
0191-95	LOE-FY06 WBS 191 1 mo SO	31JAN08*	31JAN08*	29FEB08	29FEB08	346	LOE	0.00	20,250.00	0.00	[Gantt Chart]													
0191-96	LOE-FY06 WBS 191 1 mo SO	03MAR08*	03MAR08*	01APR08	01APR08	346	LOE	0.00	20,250.00	0.00	[Gantt Chart]													
0191-97	LOE-FY06 WBS 191 1 mo SO	02APR08*	02APR08*	30APR08	30APR08	346	LOE	0.00	20,250.00	0.00	[Gantt Chart]													
0191-98	LOE-FY06 WBS 191 1 mo SO	01MAY08*	01MAY08*	30MAY08	30MAY08	346	LOE	0.00	20,250.00	0.00	[Gantt Chart]													

Run Date 14APR04 10:15

■ current schedule  
■ xECP5 Baseline  
■ Progress Bar  
■ Critical Activity

0403

**NCSX  
ECP5 Baseline**

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**STATUS THROUGH  
APRIL 1, 2004**



Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04						FY05																			
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
<b>192 - Stellarator Core Integration &amp; Analysis</b>																																				
192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	115,830.74	237,358.09	0.00	Brown=240; Cole=1184; Tra Jones (orn)=85; ORNL soft																									
192-4.1	Self consistent models/dwgs f/ Mod Coil & VV FDR			14APR04*	14APR04*	142		0.00	0.00	0.00																										
192-4.2	Self consistent models/dwgs Conv Coils&prt strc			01JUN04*	15JUN04*	150		0.00	0.00	0.00																										
192-4.4	Stellarator Core Assy dwgs & assy sequence			30SEP04*	30SEP04*	1,259		0.00	0.00	0.00																										
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	01OCT03A	30JUN04	30JUN04	1,323	LOE	24,059.88	36,676.65	3.16	Cole=200 Jones (orn)=85;																									
192-5.1	VV Helium Line Models			01APR04*	03MAY04*	1,364		0.00	0.00	0.00																										
192-5.2	Mod Coil LN2 Lines Layouts			01APR04*	03MAY04*	1,364		0.00	0.00	0.00																										
192-5.3	Mod Coil Leads Layouts			01APR04*	03MAY04*	1,364		0.00	0.00	0.00																										
192-5.4	PF Coil Leads & Services Layouts			15JUN04*	15JUN04*	1,334		0.00	0.00	0.00																										
192-5.5	TF Coil leads & Services Layouts			15JUN04*	15JUN04*	1,334		0.00	0.00	0.00																										
192-5.6	External Trim Coil Leads /services Layouts			15JUN04*	15JUN04*	1,334		0.00	0.00	0.00																										
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	21,487.52	44,031.80	0.00	Zatz=0; Brooks=274																									
192-6.01	Document coil tolerance and trim coil requiremen	08MAR04*	01MAR04A	19APR04	19APR04	119	60	11,570.40	19,284.00	373.24	Brooks=120																									
192-6.02	Check critical coil tolerance calculations.	20APR04	20APR04	17MAY04	17MAY04	119		0.00	10,295.20	0.00	Strickler=80																									
192-6.03	Method for determining current center	02FEB04*	01FEB04A	08MAR04	30APR04	198	10	2,573.80	25,738.00	-23,164.20	Hirshman=100, Strickler=100																									
192-6.04	Calc impact omisalignments on mutual inductances	09MAR04	03MAY04	19APR04	14JUN04	1,301		0.00	25,738.00	-14,584.87	Hirshman=80, Strickler=120																									
192-6.05	Determine reqd process for assy tolerances	20APR04	15JUN04	12JUL04	03SEP04	1,301		0.00	30,885.60	0.00	ORNL engr=240																									
192-6.06	Coil positions to minimize islands.	13JUL04	02FEB04A	08OCT04	17MAY04	1,378	60	37,062.72	62,328.00	37,062.72	Hirshman=180, Strickler=300																									
192-6.07	Time constant calcs using SPARK	19APR04*	19APR04*	03MAY04	03MAY04	129		0.00	6,428.00	0.00	Brooks=40																									
192-6.08	Indep check time constant calcs using EDDYCUFF	17MAY04*	17MAY04*	14JUN04	14JUN04	1,359		0.00	10,295.20	0.00	Strickler=80																									
192-6.09	Revised VV geometry	02FEB04*	02FEB04A	09FEB04	27FEB04A		100	3,214.00	3,214.00	0.00	Brooks=20																									
192-6.10	MC interf during assy, geometry, assy trajecto	02FEB04*	02FEB04A	15MAR04	27FEB04A		100	34,073.60	34,073.60	0.00	Brooks=120, Brown=60, ORNL engr=40																									
192-6.11	Range of motion reqts for Assly MC fixture.	03MAY04*	02FEB04A	28MAY04	27FEB04A		100	18,003.60	18,003.60	18,003.60	Brooks=80, Cole=40																									
192-6.12	Final Check & Verification	31MAR04*	01APR04*	07APR04	08APR04	221		0.00	3,856.80	0.00	Brooks=24																									
192-6.5	Stellarator Core Assy Design criteria			02FEB04*	31MAR04*	1,387		0.00	0.00	0.00																										
192-6.2	Final Mod Coil Trajectories			01MAR04*	27FEB04A			0.00	0.00	0.00																										
192-6.6	Stellarator Core Materials Database			01MAR04*	30APR04*	1,365		0.00	0.00	0.00																										
192-6.3	Best fit for mod coil assy on winding measuremen			30SEP04*	30SEP04*	1,259		0.00	0.00	0.00																										
0192-5	LOE-FY05 WBS 192	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010	LOE	0.00	514,578.55	0.00	Brooks=962; Cole 2260=2060; onlm&s=\$29.95 ;35= 5 k																									
0192-6	LOE-FY06 WBS 192	03OCT05*	03OCT05*	02OCT06	02OCT06	518	LOE	0.00	165,946.13	0.00																										
0192-6X	LOE-FY06 WBS 192	03OCT06*	03OCT06*	20SEP07	20SEP07	518	LOE	0.00	135,038.20	0.00																										
0192-91	LOE-F1 mo SO	01OCT07*	01OCT07*	30OCT07	30OCT07	338	LOE	0.00	16,018.04	0.00																										
0192-92	LOE-F1 mo SO	31OCT07*	31OCT07*	03DEC07	03DEC07	338	LOE	0.00	16,018.04	0.00																										
0192-93	LOE-F1 mo SO	04DEC07*	04DEC07*	10JAN08	10JAN08	338	LOE	0.00	16,018.04	0.00																										



Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
22-75	Integrated Systems Testing/Tech Support	04JAN07*	04JAN07*	07MAR07	07MAR07	115		0.00	4,836.00	0.00														
<b>25 - Neutral Beam Injection System</b>																								
<b>Job: 2501 - Neutral Beam Refurbishment-STEVENSON</b>																								
<b>FY03 Actual Cost</b>																								
2501-001	Apr-Sept MIE Cost	01APR03A	01APR03A	30SEP03A	30SEP03A		100	146,310.00	146,310.00	0.00														
<b>FY04 Work Plan</b>																								
2501-015	Design & Work Planning	03NOV03A	03NOV03A	30SEP04	30SEP04	1,259	75	4,068.90	5,425.20	1,702.84	Stevenson=36													
2501-020	Layout & Routing	02JAN04A	02JAN04A	30SEP04	30SEP04	1,259	60	4,639.68	7,732.80	2,062.08	Carson=72													
2501-025	Systems Interfaces	02JAN04A	02JAN04A	30SEP04	30SEP04	1,259	50	3,866.40	7,732.80	1,288.80	Carson=72													
2501-030	Power System Local testing	01JAN04A	01JAN04A	28MAY04	28MAY04	1,345	90	14,224.91	15,805.45	4,682.00	Carson=80; Gibilisco=40 Halvorsen=16; 41=\$ 1 k; 37 = \$.25 k													
2501-035	Controls Development	02JAN04A	02JAN04A	30JUN04	30JUN04	1,323	40	25,716.80	64,292.00	-6,429.20	Carson=160; Rossi=320; M&S=\$ 10													
<b>Refurbishment</b>																								
25-100	6) Drafting Support	01OCT04*	01MAR04A	25JUN07	25JUN07	588	5	5,345.27	108,007.21	5,345.27														
25-105	7) Refurbish sources	03OCT05*	03OCT05*	26JUN07	26JUN07	587		0.00	3,977.51	0.00														
25-110	8) Fabricate and install new filaments	03OCT05*	03OCT05*	21JUN07	21JUN07	590		0.00	6,625.84	0.00														
25-115	9) Refurbish calorimeters as needed	03OCT05*	03OCT05*	26JUN07	26JUN07	587		0.00	18,559.92	0.00														
25-130	12) Dsn,Fan,Instl NBI vacuum system	13OCT05*	13OCT05*	03JUL07	03JUL07	582		0.00	73,736.99	0.00														
25-145	15)Upgrade/Calibr of telemetry, ptical links etc	01OCT04*	01OCT04*	29SEP06	29SEP06	774		0.00	63,991.66	0.00														
25-155	17) Fab/Instl Front Box Nitrogen Cryopanel.	03OCT05*	03OCT05*	23JUL07	23JUL07	568		0.00	97,269.14	0.00														
25-175	21) Sys Engr & Work Planning Procedures	01OCT04*	01OCT04*	29JUN07	29JUN07	584		0.00	70,981.24	0.00	Stevenson =480-36=444hr ;													
<b>Re-Install Beamline</b>																								
25-180	31)Work Planning Procedures	03JUN05*	03JUN05*	18JUN07	18JUN07	593		0.00	64,528.62	0.00	Stevenson =400hr ;													
25-185	32) EAD analysis of platform support capability	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	3,638.00	0.00														
25-190	33) Fabr BL alignment measur fixture,	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	28,462.00	0.00														
25-195	34) Fabr new bellows/electrical break	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	16,592.00	0.00														
25-200	35) Perform alignment measurements	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	829.60	0.00														
25-205	36) Prepare platform for base plate	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	1,659.20	0.00														
25-210	37) Relocate base plate to NCSX location	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	6,636.80	0.00														
25-215	38) Lift NB from Refurb location to NCSX locatio	04OCT06*	04OCT06*	02MAR07	02MAR07	668		0.00	25,717.60	0.00														
25-220	39) Enclose platform around base plate	29SEP06*	29SEP06*	28JUN07	28JUN07	585		0.00	3,317.16	0.00														
<b>Re-Install Cables</b>																								
25-225	Cabling-Design & WP Procedures	04SEP06*	04SEP06*	31AUG07	31AUG07	539		0.00	28,940.86	0.00														
25-230	Cabling-Fabr and Install new Junction Box	02OCT06*	02OCT06*	29JUN07	29JUN07	584		0.00	16,592.00	0.00														
25-235	Cabling-Hi-potting cable run and fixing problems	02OCT06*	02OCT06*	29JUN07	29JUN07	584		0.00	8,296.00	0.00														
25-240	Cabling-Install Cable Trays	02OCT06*	02OCT06*	29JUN07	29JUN07	584		0.00	33,184.00	0.00														
25-245	Cabling-Pull cables Arc Room to PVC Junction Box	02OCT06*	02OCT06*	29JUN07	29JUN07	584		0.00	74,480.00	0.00														

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl't	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	FY04												FY05												
											S O N D J F M A M J J A S O N D J F M A M J J A E												S O N D J F M A M J J A E												
											S	O	N	D	J	F	M	A	M	J	J	A	S	S	O	N	D	J	F	M	A	M	J	J	A
25-250	Cabling- M&S f/ trays, fixtures, materials	02OCT06*	02OCT06*	29JUN07	29JUN07	584		0.00	35,152.00	0.00																									
<b>Beamline Connections</b>																																			
25-255	Install weld cables Juncton Box to Ion Source.	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	9,107.20	0.00																									
25-260	Connect bBL to foreline and exhaust manifold.	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	4,129.60	0.00																									
25-265	New PLC. Test system after installation.	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	3,318.40	0.00																									
25-270	Connect BL to new manifold & test	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	3,318.40	0.00																									
25-275	Connect beamline to new manifold & test.	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	3,318.40	0.00																									
25-280	Connect beamline to new manifold and test	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	1,659.20	0.00																									
25-285	Install Water System	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	27,727.20	0.00																									
25-290	Fab & Install Water Cooled Aperture	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	19,609.60	0.00																									
25-295	New PLC for water sys & test	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	1,659.20	0.00																									
25-300	Diag Sys-Fab/install new cables	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	1,659.20	0.00																									
25-310	Drafting Labor Support	03APR06*	03APR06*	01JUN07	01JUN07	604		0.00	55,127.52	0.00																									

### 3 - Diagnostics

#### 31 - Magnetic Diagnostics

310-010	Design Mag Diagnostics	03OCT05*	03OCT05*	21FEB06	21FEB06	129		0.00	44,460.00	0.00																								
310-015	Fabricate & Install Magnetics on Vessel	17MAR06	17MAR06	17AUG06	17AUG06	112		0.00	140,205.50	0.00																								
310-020	Design other ex-vessel sensors	25JUL05*	25JUL05*	21NOV05	21NOV05	116		0.00	154,537.34	0.00																								
310-025	Fab & Install other ex-vessel sensors on coils	22NOV05	22DEC05	27APR06	25MAY06	96		0.00	78,406.05	0.00																								
310-030	Design & FabMagnetic integrators	22NOV05*	22NOV05*	12APR06	12APR06	127		0.00	36,491.65	0.00																								

R//RM2 =20hr ; EE//EM =580hr ; EA/DM =560hr ;

#### 36 - Edge and Divertor Diagnostics

361-001	Design Visible Camera sys	03OCT05*	03OCT05*	12APR06	12APR06	208		0.00	11,096.00	0.00																								
361-015	Fab/Assy/Installation Visible Camera	28AUG06*	01SEP06*	08MAR07	14MAR07	109		0.00	88,191.41	0.00																								

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

380-010	Designe-Beam Probe,Fluor. Screen	03OCT05*	03OCT05*	13FEB06	13FEB06	278		0.00	42,118.00	0.00																								
380-015	Fab & Install Beam probe	06OCT06	12OCT06	08MAR07	14MAR07	109		0.00	249,952.00	0.00																								

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current schedule  
 xECP5 Baseline  
 Progress Bar  
 Critical Activity

0403

**NCSX  
ECP5 Baseline**

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**STATUS THROUGH  
APRIL 1, 2004**

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	FY04							FY05								
											S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
<b>39 - Diagnostics Integration</b>																										
<b>Job: 3901 - Diagnostics sys Integration-JOHNSON</b>																										
<b>FY03 Actual Cost</b>																										
390-001	LOE Support FY03	01APR03A	01APR03A	30SEP03A	30SEP03A		100	155,450.00	155,450.00	0.00																
390-100	Finalize VV ports (number,size,locations)			30JAN04*	31MAR04*	1,387	90	0.00	0.00	0.00																
390-110	Resolve port interferences.Final port config			30JAN04*	31MAR04*	1,387		0.00	0.00	0.00																
390-120	Update port map&revise diag port assignments			01MAR04*	31MAR04*	1,387	30	0.00	0.00	0.00																
390-130	Rvw status of existing ICD's w/VV & Mod Coils			30JAN04*	31MAR04*	1,387	100	0.00	0.00	0.00																
390-140	Write ICD's-Define external space for diagnostic			01MAR04*	31MAR04*	1,387		0.00	0.00	0.00																
390-150	Write ICD's-Define space f/racks in cntrl rm			01MAR04*	31MAR04*	1,387		0.00	0.00	0.00																
390-160	Start recruiting diag team at HTPD conference			30APR04*	30APR04*	1,365		0.00	0.00	0.00																
390-170	Develop space envelopes for SXR			30JAN04*	31MAR04*	1,387		0.00	0.00	0.00																
390-180	Hold CDR's co-wound mag sensors&ext saddle loops			30SEP04*	30SEP04*	1,259		0.00	0.00	0.00																
390-010	LOE Support FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	38,075.46	78,023.50	0.00																
<b>4 - Electrical Power Systems</b>																										
<b>41 - AC Power</b>																										
<b>Job: 4101 - AC Power-RAMAKRISHNAN</b>																										
<b>411 - Auxiliary AC Power Systems</b>																										
4101-100	Prepare Preliminary One line diagram	02FEB04*	01MAR04A	30SEP04	30SEP04	1,259	20	1,888.16	9,440.80	-485.84																
411-1-2	Ex-Test Cell AC Power Dist-Dsn	01OCT04*	01OCT04*	18FEB05	18FEB05	385		0.00	19,761.90	0.00																
411-1-4	Ex-Test Cell AC Power Dist-Procure	07OCT05*	07OCT05*	06JUL06	06JUL06	279		0.00	11,745.00	0.00																

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	FY04												FY05													
											S	O	N	D	J	F	M	A	M	J	J	A	S	S	O	N	D	J	F	M	A	M	J	J	A	S
											[Gantt Chart Area]												[Gantt Chart Area]													
411-1-6	Ex-Test Cell AC Power Dist-Install	03OCT05*	03OCT05*	18SEP06	18SEP06	228		0.00	51,769.40	0.00																										
411-1-8	Ex-Test Cell AC Power Dist-Commission	02OCT06*	02OCT06*	28FEB07	28FEB07	119		0.00	46,568.00	0.00																										
411-2-2	Grounding-Dsn	01OCT04*	01OCT04*	19AUG05	19AUG05	225		0.00	29,688.00	0.00																										
411-2-4	Grounding-Procure	03OCT05*	03OCT05*	10MAR06	10MAR06	261		0.00	6,525.00	0.00																										
411-2-6	Grounding-Install	13OCT05*	13OCT05*	22JUN06	22JUN06	188		0.00	55,912.00	0.00																										
411-2-8	Grounding-Commission	02OCT06*	02OCT06*	28FEB07	28FEB07	119		0.00	18,448.00	0.00																										
411-3-2	Test Cell AC Power Distr-Dsn	01OCT04*	01APR04*	19AUG05	03JUN04	443		0.00	68,024.00	0.00	VANKIRK=160m; RAKI=160m																									
411-3-4	Test Cell AC Power Distr-Procure	29SEP05*	29SEP05*	08MAY06	08MAY06	113		0.00	69,612.50	0.00																										
411-3-6	Test Cell AC Power Distr-Install	09MAY06*	09MAY06*	08MAR07	08MAR07	113		0.00	61,951.46	0.00																										
411-3-8	Test Cell AC Power Distr-Commission	11SEP06*	11SEP06*	08MAR07	08MAR07	113		0.00	31,186.72	0.00																										
411-4-2	Standby Power for Cryo Sys -Dsn	01MAR06*	01MAR06*	31MAY06	31MAY06	295		0.00	15,100.00	0.00																										
411-4-4	Standby Power for Cryo Sys -Procure	02OCT06*	02OCT06*	11APR07	11APR07	210		0.00	21,632.00	0.00																										
411-4-6	Standby Power for Cryo Sys -Install	12APR07	12APR07	13JUL07	13JUL07	210		0.00	51,968.00	0.00																										
<b>412 - Experimental AC Power Systems</b>																																				
412-1-2	D-site Pulsed AC Power Distr-Dsn	01OCT04*	01OCT04*	06OCT05	06OCT05	189		0.00	10,522.84	0.00																										
412-1-4	D-site Pulsed AC Power Distr-Procure	13OCT05*	13OCT05*	03JUL06	03JUL06	251		0.00	6,525.00	0.00																										
412-1-6	D-site Pulsed AC Power Distr-Install	07OCT05	07OCT05	29SEP06	29SEP06	189		0.00	16,043.20	0.00																										
412-1-8	D-site Pulsed AC Power Distr-Commission	03MAY06*	03MAY06*	23OCT06	23OCT06	173		0.00	9,741.47	0.00																										
<b>42 - AC/DC Converters</b>																																				
<b>422 - D-Site AC/DC Converters</b>																																				
422-1-8	Transrex power supplies Reactivation	02OCT06*	02OCT06*	28FEB07	28FEB07	119		0.00	23,534.00	0.00																										
<b>43 - DC Systems</b>																																				
<b>Job: 4301 - DC Systems-RAMAKRISHNAN</b>																																				
<b>FY03 Actual Cost</b>																																				
4301-001	Apr-Sept MIE Cost	01APR03A	01APR03A	30SEP03A	30SEP03A		100	2,390.00	2,390.00	0.00																										
<b>431 - C-Site DC Systems</b>																																				
4301-100	Prel Design link box & physical details,location	03MAY04*	03MAY04*	30JUL04	30JUL04	1,302		0.00	75,124.40	0.00	vankirk=240; raki=160 ee//sm=96; ee//tb=120; 41=\$5																									
4301-104	clear EF/OH bldg of stored hardware	02FEB04	01APR04	13FEB04	14APR04	1,377		0.00	0.00	0.00																										
431-1-2	Coil DC Cabling to link box (PCTB)-Dsn	13OCT05*	13OCT05*	25MAY06	25MAY06	659		0.00	38,740.00	0.00																										
431-1-4	Coil DC Cabling to link box(PCTB)-Procure	01SEP06*	01SEP06*	07JUN07	07JUN07	591		0.00	52,804.46	0.00																										
431-1-6	Coil DC Cabling to (PCTB)-Install	08JAN07*	08JAN07*	07JUN07	07JUN07	591		0.00	9,689.60	0.00																										
431-2-2	DC Cabling to Coils in TC-Dsn	13OCT05*	13OCT05*	19MAY06	19MAY06	181		0.00	60,140.00	0.00																										
431-2-4	DC Cabling to Coils in TC-Procure	01JUN06*	01JUN06*	07MAR07	07MAR07	174		0.00	60,160.01	0.00																										
431-2-6	DC Cabling to Coils in TC-Install	27SEP06	27SEP06	07MAR07	07MAR07	174		0.00	30,012.22	0.00																										

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																										
											FY04						FY05																				
												S	O	N	D	J	F	M	A	M	J	J	A	S	S	O	N	D	J	F	M	A	M	J	J	A	E
<b>432 - D to C-Site DC Systems</b>																																					
432-100	Prepare Tower SOW and IP for BOA design	03NOV03A	03NOV03A	26NOV03A	26NOV03A		100	6,141.60	6,141.60	0.00	vankirk=24; raki=24																										
432-105	BOA design tower supports	12DEC03A	12DEC03A	30MAR04	30APR04	537	70	33,888.40	48,412.00	33,888.40	41=\$38k																										
432-110	Prep SOW and Requisition for tower installation	21JUL04	21JUL04	11AUG04	11AUG04	482		0.00	23,812.00	0.00	vankirk=56;raki=72 ee//sm=32; ee//tb=48																										
432-115	Bid & Award Tower Installation	12AUG04	12AUG04	30SEP04	30SEP04	482		0.00	0.00	0.00																											
432-120	Install Tower Supports	01OCT04*	01OCT04*	25JAN05	25JAN05	482		0.00	403,104.00	0.00	41=\$312k																										
432-1-2	DC Cabling-Dsn	01MAR04*	01MAR04A	21JUN04	23JUL04	459	5	1,402.32	28,046.40	-6,661.02	VANKIRK =152hr ; RAKI =80hr																										
432-1-4.0	Prepare SOW & Requisition for 1000MCM 5kv Cable	13AUG04*	13AUG04*	24SEP04	24SEP04	445		0.00	0.00	0.00																											
432-1-4.1	Bid & Award - Cable	01JUL05*	01JUL05*	26AUG05	26AUG05	256		0.00	0.00	0.00																											
432-1-4.2	Cable Delivery [A/1]	03OCT05*	03OCT05*	25JAN06	25JAN06	232		0.00	135,928.80	0.00																											
432-1-4.4	Prepare SOW & Requisition for Cable Installation	10AUG04*	10AUG04*	21SEP04	21SEP04	462		0.00	0.00	0.00																											
432-1-4.5	Bid & Award Cable Installation	02MAY05*	02MAY05*	27JUN05	27JUN05	313		0.00	0.00	0.00																											
432-1-4.7	Procure trays	01JUL05*	01JUL05*	29JUL05	29JUL05	310		0.00	14,212.00	0.00	41=11\$K ;																										
432-1-4.8	Install Trays	01AUG05	01AUG05	27SEP05	27SEP05	310		0.00	14,212.00	0.00	41=11\$K ;																										
432-1-4.6	S/C Install Cable [A/1]	01FEB06	01FEB06	26APR06	26APR06	228		0.00	622,485.00	0.00																											
432-1-6	DC Cabling-Installation Support	03OCT05*	03OCT05*	26APR06	26APR06	228		0.00	29,992.80	0.00																											
<b>433 - D-Site DC Systems</b>																																					
433-1-2	DC Cabling-Dsn	01OCT04*	01OCT04*	03JUN05	03JUN05	421		0.00	73,961.60	0.00	EA/DM																										
433-1-4	DC Cabling-Procure	07OCT05*	07OCT05*	31JAN06	31JAN06	259		0.00	91,819.80	0.00																											
433-1-6	DC Cabling-Install	03AUG06*	03AUG06*	02JAN07	02JAN07	130		0.00	43,784.52	0.00																											
433-2-4.0	Design Isolation switch	01MAR04*	01APR04*	23APR04	26MAY04	1,207		0.00	6,710.60	-3,858.60	raki=26; ee//sm=26																										
433-2-4.1	Prep Spec and Requisition for Isolation Switch	26APR04	27MAY04	07JUN04	09JUL04	1,207		0.00	6,710.60	0.00	raki=26; ee//sm=26																										
433-2-4.2	Bid & Award Isolation Switch	08JUN04	12JUL04	20JUL04	20AUG04	1,207		0.00	0.00	0.00																											
433-2-4.3	Deliver Isolation Switch	21JUL04	23AUG04	15SEP04	18OCT04	1,207		0.00	115,934.00	0.00	41=\$91k																										
433-2-4.4	Prep SOW and Requisition for IS installation	26APR04	27MAY04	07JUN04	09JUL04	1,247		0.00	6,710.60	0.00	raki=26; ee//sm=26																										
433-2-4.5	Bid & Award IS Installation	08JUN04	12JUL04	20JUL04	20AUG04	1,247		0.00	0.00	0.00																											
433-2-4.6	Install Isolation Switch	16SEP04	19OCT04	10NOV04	15DEC04	1,207		0.00	85,451.90	0.00	41=\$50k; ee//tb=80;e																										
433-3-2	NSTX OH PS changes-Dsn	01OCT04*	01OCT04*	26SEP05	26SEP05	119		0.00	17,812.80	0.00																											
433-3-6	NSTX OH PS changes-Install	03OCT05*	03OCT05*	22JUN06	22JUN06	115		0.00	7,012.00	0.00																											
433-3-8	NSTX OH PS changes-Commission	23JUN06	23JUN06	23JAN07	23JAN07	115		0.00	3,562.22	0.00																											
433-4-2	NSTX TF Power Supply changes-Dsn	01OCT04*	01OCT04*	15SEP05	15SEP05	126		0.00	17,812.80	0.00																											
433-4-6	NSTX TF Power Supply changes-Install	28SEP05*	28SEP05*	19JUN06	19JUN06	118		0.00	7,010.04	0.00																											
433-4-8	NSTX TF Power Supply changes-Commission	20JUN06	20JUN06	18JAN07	18JAN07	118		0.00	3,556.68	0.00																											

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NCSX  
ECP5 Baseline

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STATUS THROUGH  
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Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
<b>44 - Control and protection Systems</b>																								
<b>Job: 4401 - Control &amp; Protection-RAMAKRISHNAN</b>																								
<b>441 - Electrical Interlocks</b>																								
441-1-2	C-site-Dsn	01OCT04*	01OCT04*	23FEB06	23FEB06	114		0.00	120,616.10	0.00	[Gantt bars for Electrical Interlocks]													
441-1-4	C-site-Procure	30SEP05*	30SEP05*	08MAY06	08MAY06	300		0.00	26,046.06	0.00	[Gantt bars for Electrical Interlocks]													
441-1-6	C-site-Install	24FEB06*	24FEB06*	07FEB07	07FEB07	114		0.00	161,027.72	0.00	[Gantt bars for Electrical Interlocks]													
441-2-2	D-site-Dsn	01OCT04*	01OCT04*	23FEB06	23FEB06	120		0.00	65,417.43	0.00	[Gantt bars for Electrical Interlocks]													
441-2-4	D-site-Procure	03OCT05*	03OCT05*	11JUL06	11JUL06	176		0.00	18,217.80	0.00	[Gantt bars for Electrical Interlocks]													
441-2-6	D-site-Install	24FEB06*	24FEB06*	27NOV06	27NOV06	120		0.00	77,399.95	0.00	[Gantt bars for Electrical Interlocks]													
441-2-8	D-site-Commission	31JUL06*	31JUL06*	30JAN07	30JAN07	120		0.00	35,951.61	0.00	[Gantt bars for Electrical Interlocks]													
441-3-2	D-to-C-site-Dsn	03OCT05*	03OCT05*	01FEB06	01FEB06	128		0.00	25,800.00	0.00	[Gantt bars for Electrical Interlocks]													
441-3-4	D-to-C-site-Procure	07OCT05*	07OCT05*	07JUL06	07JUL06	178		0.00	6,525.00	0.00	[Gantt bars for Electrical Interlocks]													
441-3-6	D-to-C-site-Install	02FEB06*	02FEB06*	13NOV06	13NOV06	128		0.00	23,744.24	0.00	[Gantt bars for Electrical Interlocks]													
441-3-8	D-to-C-site-Commission	19JUL06*	19JUL06*	18JAN07	18JAN07	128		0.00	17,889.95	0.00	[Gantt bars for Electrical Interlocks]													
<b>442 - Kirk Key Interlocks</b>																								
442-1-2	Kirk Keys-Dsn	03OCT05*	03OCT05*	30NOV05	30NOV05	289		0.00	32,100.00	0.00	[Gantt bars for Kirk Key Interlocks]													
442-1-4	Kirk Keys-Procure	24OCT05*	24OCT05*	21JUL06	21JUL06	130		0.00	13,050.00	0.00	[Gantt bars for Kirk Key Interlocks]													
442-1-6	Kirk Keys-Install	24JUL06*	24JUL06*	26OCT06	26OCT06	130		0.00	31,103.17	0.00	[Gantt bars for Kirk Key Interlocks]													
442-1-8	Kirk Keys-Commission	27SEP06*	27SEP06*	02JAN07	02JAN07	130		0.00	21,784.32	0.00	[Gantt bars for Kirk Key Interlocks]													
<b>443 - Real Time Control Systems</b>																								
443-1-2	Develop Control Algorithms-Dsn	21APR06*	21APR06*	09NOV06	09NOV06	130		0.00	38,397.97	0.00	[Gantt bars for Real Time Control Systems]													
<b>444 - Instrument Systems</b>																								
444-1-2	DC Current Transducers (DCCTs)-Dsn	13OCT05*	13OCT05*	14APR06	14APR06	126		0.00	15,100.00	0.00	[Gantt bars for Instrument Systems]													
444-1-4	DC Current Transducers (DCCTs)-Procure	05DEC05*	05DEC05*	01AUG06	01AUG06	191		0.00	46,980.00	0.00	[Gantt bars for Instrument Systems]													
444-1-6	DC Current Transducers (DCCTs)-Install	17APR06*	17APR06*	01DEC06	01DEC06	126		0.00	35,115.07	0.00	[Gantt bars for Instrument Systems]													
444-1-8	DC Current Transducers (DCCTs)-Commission	08JUN06*	08JUN06*	08JAN07	08JAN07	126		0.00	16,521.62	0.00	[Gantt bars for Instrument Systems]													
444-2-2	DC Potential Transducers (DCPTs)-Dsn	07OCT05*	07OCT05*	28FEB06	28FEB06	119		0.00	30,200.00	0.00	[Gantt bars for Instrument Systems]													
444-2-4	DC Potential Transducers (DCPTs)-Procure	30SEP05*	30SEP05*	31JUL06	31JUL06	192		0.00	15,659.25	0.00	[Gantt bars for Instrument Systems]													
444-2-6	DC Potential Transducers (DCPTs)-Install	01MAR06*	01MAR06*	12DEC06	12DEC06	119		0.00	33,603.00	0.00	[Gantt bars for Instrument Systems]													
444-2-8	DC Potential Transducers (DCPTs)-Commission	21JUL06*	21JUL06*	17JAN07	17JAN07	119		0.00	16,697.40	0.00	[Gantt bars for Instrument Systems]													
444-3-2	DC Shunts-Dsn	01OCT04*	01OCT04*	01APR05	01APR05	415		0.00	14,844.00	0.00	[Gantt bars for Instrument Systems]													
444-3-4	DC Shunts-Procure	29SEP05*	29SEP05*	22AUG06	22AUG06	176		0.00	41,756.29	0.00	[Gantt bars for Instrument Systems]													
444-3-6	DC Shunts-Install	20MAR06*	20MAR06*	20SEP06	20SEP06	176		0.00	34,403.20	0.00	[Gantt bars for Instrument Systems]													
444-3-8	DC Shunts-Commission	21SEP06*	21SEP06*	22DEC06	22DEC06	131		0.00	17,077.81	0.00	[Gantt bars for Instrument Systems]													

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- current schedule
- xECP5 Baseline
- Progress Bar
- Critical Activity

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**NCSX  
ECP5 Baseline**

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**STATUS THROUGH  
APRIL 1, 2004**



Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	FY04												FY05													
											S	O	N	D	J	F	M	A	M	J	J	A	S	S	O	N	D	J	F	M	A	M	J	J	A	E
444-4-2	Signal Conditioning & Cabling-Dsn	23SEP05*	23SEP05*	20FEB06	20FEB06	195		0.00	52,846.67	0.00																										
444-4-4	Signal Conditioning & Cabling-Procure	13OCT05*	13OCT05*	17JUL06	17JUL06	135		0.00	11,745.00	0.00																										
444-4-6	Signal Conditioning & Cabling-Install	16MAY06*	16MAY06*	16NOV06	16NOV06	135		0.00	29,050.34	0.00																										
444-4-8	Signal Conditioning & Cabling-Commission	15SEP06*	15SEP06*	18DEC06	18DEC06	135		0.00	21,559.32	0.00																										
<b>445 - Coil Protection Systems</b>																																				
445-1-2	Ground Fault Protection-Dsn	01OCT04*	01OCT04*	29APR05	29APR05	282		0.00	21,040.00	0.00																										
445-1-4	Ground Fault Protection-Procure	24NOV04*	24NOV04*	26AUG05	26AUG05	199		0.00	3,876.00	0.00																										
445-1-6	Ground Fault Protection-Install	05OCT05*	05OCT05*	25AUG06	25AUG06	173		0.00	18,137.60	0.00																										
445-1-8	Ground Fault Protection-Commission	05OCT06*	05OCT06*	15JAN07	15JAN07	121		0.00	12,028.80	0.00																										
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04*	01MAR04A	01SEP04	01SEP04	1,279	5	4,464.36	89,287.20	-10,317.30	vankirk =160hr ;raki =328h marsala=88; ee/tb=112;41=\$																									
445-2-1	Overload Protection & Cabling-Peer Review	02SEP04	02SEP04	01SEP04	01SEP04	1,279		0.00	0.00	0.00																										
445-2-2	Overload Protection & Cabling-FinalDsn	05OCT05*	05OCT05*	13JAN06	13JAN06	120		0.00	37,740.00	0.00																										
445-2-4	Overload Protection & Cabling-Procure	30SEP05*	30SEP05*	19APR06	19APR06	173		0.00	36,537.32	0.00																										
445-2-6	Overload Protection & Cabling-Install	16JAN06*	16JAN06*	05OCT06	05OCT06	120		0.00	40,522.14	0.00																										
445-2-8	Overload Protection & Cabling-Commission	09OCT06	09OCT06	17JAN07	17JAN07	119		0.00	24,268.80	0.00																										
<b>446 - Ground Fault Monitoing System</b>																																				
446-1-2	GFMS-Dsn	03OCT05*	03OCT05*	07JUL06	07JUL06	208		0.00	34,652.50	0.00																										
446-1-4	GFMS-Procure/Fab/Install	02OCT06*	02OCT06*	11APR07	11APR07	149		0.00	132,370.40	0.00																										
<b>45 - Power System Design and Integration</b>																																				
<b>Job: 4501 - Power Sys Dsn &amp; Integr-RAMAKRISHNAN</b>																																				
<b>FY03 Actual Cost</b>																																				
4501-001	Apr-Sept MIE Cost	01APR03A	01APR03A	30SEP03A	30SEP03A		100	112,340.00	112,340.00	0.00																										
<b>451 - System Design &amp; Interfaces</b>																																				
4501-100	Design Drawings	02FEB04*	02FEB04A	30SEP04	30SEP04	1,259	10	6,983.20	69,832.00	-10,576.90	vankirk=320; raki=240																									
4501-110	Calculations-Dsn	02FEB04*	01MAR04A	31MAR04	30APR04	1,365	5	644.88	12,897.60	-12,252.72	vankirk=8; raki=80																									
451-0-1	C-Site Decision	02FEB04	01APR04	30JAN04*	31MAR04*	1,387		0.00	0.00	0.00																										
451-0-2	Develop SRD	02FEB04*	01APR04*	01MAR04	29APR04	1,366		0.00	0.00	0.00																										
451-1-2	Calculations-Dsn	01OCT04*	01OCT04*	29SEP06	29SEP06	761		0.00	37,488.00	0.00	Raki =240hr ;																									
451-2-2	PDR Power system -Dsn	01APR04*	01APR04*	30APR04	15JUN04	496		0.00	10,236.00	0.00	vankirk=40; rali=40																									
451-2-2.1	FDR Power system -Dsn	01OCT04*	01OCT04*	12JAN05	12JAN05	1,194		0.00	10,520.00	0.00	VANKIRK =40hr																									
451-2-20	PDR Electr Power system			30APR04	15JUN04	532		0.00	0.00	0.00	▼																									
451-3-2	Drawings,changes,asbuilts -Elect Dsn Integration	01OCT04*	01OCT04*	11OCT07	11OCT07	503		0.00	275,076.00	0.00																										
451-4-2	FDR AC auxiliaries & grounding-Dsn	03OCT05*	03OCT05*	06DEC05	06DEC05	965		0.00	10,700.00	0.00																										
451-6-2	FDR C-Site -Dsn	01OCT04*	01OCT04*	06DEC04	06DEC04	1,214		0.00	21,040.00	0.00	VANKIRK =80hr ; R																									
451-7-2	FDR DC transmission-Dsn	03MAY04*	16JUN04*	28MAY04	14JUL04	496		0.00	10,236.00	0.00	vankirk =40hr ; raki =40hr ;																									
451-7-20	FDR DC transmission			28MAY04	14JUL04	506		0.00	0.00	0.00	▼																									

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
451-8-2	FDR D-Site -Dsn	01OCT04*	01OCT04*	06DEC04	06DEC04	1,214		0.00	21,040.00	0.00	[Gantt Chart: VANKIRK =80hr ;Ra]													
<b>452 - Electrical Systems Support</b>																								
452-1-2	Diagnostics AC Power Distr-Dsn	11AUG05*	11AUG05*	20JAN06	20JAN06	139		0.00	16,505.06	0.00	EA/DM =128hr ; Raki =16hr													
452-1-4	Diagnostics AC Power Distr-Procure	05OCT05*	05OCT05*	02OCT06	02OCT06	178		0.00	1,305.19	0.00														
452-1-6	Diagnostics AC Power Distr-Install	23JAN06	23JAN06	28NOV06	28NOV06	139		0.00	14,659.67	0.00														
452-1-8	Diagnostics AC Power Distr-Commission	23OCT06*	23OCT06*	31JAN07	31JAN07	139		0.00	6,021.60	0.00														
452-2-2	Diagnostics sensor cabling-Dsn	11AUG05*	11AUG05*	05JAN06	05JAN06	237		0.00	23,748.58	0.00	EA/DM =160hr ; Raki =40hr													
452-2-4	Diagnostics sensor cabling-Procure	05OCT05*	05OCT05*	20SEP06	20SEP06	186		0.00	2,610.00	0.00														
452-2-6	Diagnostics sensor cabling-Install	30MAY06*	30MAY06*	01DEC06	01DEC06	136		0.00	20,556.31	0.00														
452-2-8	Diagnostics sensor cabling-Commission	26OCT06*	26OCT06*	05FEB07	05FEB07	136		0.00	6,021.60	0.00														
<b>453 - System Testing (PTP's)</b>																								
453-1-2	New Procedures	06OCT05*	06OCT05*	20FEB06	20FEB06	215		0.00	68,000.00	0.00														
453-1-4	Preop Testing-Procure test equipt	10JUL06*	10JUL06*	01MAR07	01MAR07	118		0.00	33,366.72	0.00														
453-1-8	Testing PTPs, ISTPs	09OCT06*	09OCT06*	07MAR07	07MAR07	114		0.00	90,618.40	0.00														
<b>46 - FCPC Building Modifications</b>																								
<b>Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN</b>																								
<b>FY03 Actual Cost</b>																								
4601-001	Apr-Sept MIE Cost	01APR03A	01APR03A	30SEP03A	30SEP03A		100	1,300.00	1,300.00	0.00	[Gantt Chart]													
4601-100	Clear area in West wing SPS to HVAC equipt	01APR04*	01APR04*	30JUN04	30JUN04	1,323		0.00	24,226.00	0.00	vankirk=64; raki=48;41=\$ 1 k ee//sm=16; ee//tb=96													
460-2-4	Clear the small Vacuum prep lab -Procure	01OCT04*	01OCT04*	12JAN05	12JAN05	1,129		0.00	646.00	0.00	41=01\$K ;													
460-2-6	Clear the small Vacuum prep lab -Install	13JAN05	13JAN05	13APR05	13APR05	1,129		0.00	12,464.00	0.00	EE//TB =160hr ;													
460-3-2	Floor & Wall Penetrations-Dsn	01OCT04*	01OCT04*	12JAN05	12JAN05	392		0.00	2,968.80	0.00	VANKIRK =16hr													
460-3-4	Floor & Wall Penetrations-Procure	13JAN05	13JAN05	13APR05	13APR05	392		0.00	11,628.00	0.00	41=09\$K ;													
460-3-6	Floor & Wall Penetrations-Install	14APR05	14APR05	15JUL05	15JUL05	392		0.00	11,730.40	0.00	Raki =08hr ; EE//SM =16hr ; EE//TB =112hr ;													
460-4-2	Mechanical Modifications-Dsn	01APR05*	01APR05*	01JUL05	01JUL05	271		0.00	4,208.00	0.00	VANKIRK =16hr ; Raki =16hr ;													
460-4-4	Mechanical Modifications-Procure	05JUL05	05JUL05	04OCT05	04OCT05	271		0.00	2,584.80	0.00	41=02\$K ;													
460-4-6	Mechanical Modifications-Install	05OCT05	05OCT05	13JAN06	13JAN06	271		0.00	6,858.40	0.00														
<b>5 - Central I&amp;C Systems</b>																								
<b>51 - TCP/IP Infrastructure Systems</b>																								
<b>Job: 5801 -Central I&amp;C Integr &amp; Oversight-OLIARO</b>																								
51-00	FY03		01APR03A		30SEP03A		LOE	11,900.00	0.00	11,900.00	[Gantt Chart]													
51-01	FY04 LOE support	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	6,102.15	12,504.40	0.00	EC/EM =86hr ;													

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																							
											FY04						FY05																	
											S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
<b>51 - Central Instrumentation &amp; Control</b>																																		
51-02	FY05 LOE support	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010		0.00	12,848.40	0.00	ECP5 M =86hr ;																							
51-10	Preliminary Design (Title I)	21AUG06*	21AUG06*	23OCT06	23OCT06	123		0.00	6,246.40	0.00																								
51-20	Final Network Design (Title II)	24OCT06	24OCT06	20NOV06	20NOV06	123		0.00	6,548.00	0.00																								
51-30	Installation, Testing, Documentation (Title III)	21NOV06*	21NOV06*	17MAY07	17MAY07	123		0.00	390,879.60	0.00																								
<b>52 - Central Instrumentation &amp; Control</b>																																		
52-10	Preliminary Design (Title I)	06MAR06*	06MAR06*	05MAY06	05MAY06	121		0.00	24,320.00	0.00																								
52-20	Final Design (Title II)	08MAY06	08MAY06	08SEP06	08SEP06	121		0.00	97,280.00	0.00																								
52-30	Installation, Testing, Documentation (Title III)	11SEP06*	11SEP06*	21MAY07	21MAY07	121		0.00	456,439.69	0.00																								
<b>53 - Data Acquisition &amp; Facility Computing</b>																																		
53-10	Preliminary Design (Title I)	08MAR06*	08MAR06*	09MAY06	09MAY06	119		0.00	48,640.00	0.00																								
53-20	Final Design (Title II)	10MAY06	10MAY06	12SEP06	12SEP06	119		0.00	72,960.00	0.00																								
53-30	Coding, Configuration, Testing (Title III)	13SEP06*	13SEP06*	23MAY07	23MAY07	119		0.00	286,217.26	0.00																								
<b>54 - Facility Timing &amp; Synchronization</b>																																		
54-10	Preliminary Design (Title I)	01JUN06*	01JUN06*	03AUG06	03AUG06	119		0.00	36,480.00	0.00																								
54-20	Final Design (Title II)	04AUG06	04AUG06	03NOV06	03NOV06	119		0.00	56,340.00	0.00																								
54-30	Installation, Testing, Documentation (Title III)	06NOV06	06NOV06	23MAY07	23MAY07	119		0.00	259,211.60	0.00																								
<b>55 - Real Time Plasma &amp; Power Supply Control Sys</b>																																		
55-10	Preliminary Design (Title I)	01AUG06*	01AUG06*	03OCT06	03OCT06	137		0.00	12,201.60	0.00																								
55-20	Final Design (Title II)	04OCT06	04OCT06	31OCT06	31OCT06	137		0.00	13,096.00	0.00																								
55-30	Installation, Testing, Documentation (Title III)	10NOV06	10NOV06	08MAY07	08MAY07	130		0.00	267,982.40	0.00																								
<b>56 - Central Safety Interlock Systems</b>																																		
56-10	Preliminary Design (Title I)	15MAY06*	15MAY06*	15SEP06	15SEP06	136		0.00	24,320.00	0.00																								
56-20	Final Design (Title II)	18SEP06	18SEP06	17NOV06	17NOV06	136		0.00	25,776.00	0.00																								
56-30	Installation, Testing, Documentation (Title III)	20NOV06	20NOV06	30APR07	30APR07	136		0.00	349,830.00	0.00																								

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**NCSX  
ECP5 Baseline**

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**STATUS THROUGH  
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Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
<b>57 - Control Room Facility</b>																								
57-10	Preliminary Design (Title I)	01SEP06*	01SEP06*	03NOV06	03NOV06	147		0.00	12,680.00	0.00														
57-20	Final Design (Title II)	06NOV06	06NOV06	05DEC06	05DEC06	147		0.00	13,096.00	0.00														
57-30	Installation, Testing, Documentation (Title III)	06DEC06	06DEC06	13APR07	13APR07	147		0.00	93,938.00	0.00														
<b>6 - Facility Systems</b>																								
<b>61 - Water Systems</b>																								
<b>611 - C-Site Cooling System</b>																								
615.011	Engr recommissioning of C-Site Water systems	03JUL06*	03JUL06*	01SEP06	01SEP06	160		0.00	9,796.20	0.00														
615.021	Replace valves, resins, filters	06OCT06*	06OCT06*	16JAN07	16JAN07	137		0.00	143,473.60	0.00														
<b>612 - NB Water Cooling Systems</b>																								
622.001	WBS 612 Preliminary design	30MAY06*	30MAY06*	19SEP06	19SEP06	147		0.00	35,824.00	0.00														
622.011	WBS 612 Final Design	20SEP06	20SEP06	14DEC06	14DEC06	147		0.00	23,802.66	0.00														
622.021	WBS 612 Assembly/Fabrication/Installation	26JAN07*	26JAN07*	17MAY07	17MAY07	123		0.00	180,299.92	0.00														
<b>613 - Vacuum Pumping System</b>																								
623.010	LOE WBS 612	06OCT04*	06OCT04*	31MAY06	31MAY06	846		0.00	10,033.20	0.00	BLANCHARD=60													
623.011	Design WBS 612	01JUN06*	01JUN06*	15NOV06	15NOV06	133		0.00	22,793.02	0.00														
632.021	WBS 612 Assembly/Fabrication/Installation	13DEC06*	13DEC06*	14FEB07	14FEB07	116		0.00	67,180.00	0.00														
<b>614 - Bakeout Water System</b>																								
625.001	WBS 614 Preliminary design	03OCT05*	03OCT05*	23DEC05	23DEC05	368		0.00	12,178.00	0.00														
625.011	WBS 614 Final Design	03JAN06	03JAN06	29MAR06	29MAR06	368		0.00	12,178.00	0.00														
625.021	WBS 614 Assembly/Fabrication	26MAR07	26MAR07	18MAY07	18MAY07	122		0.00	14,153.80	0.00														
<b>62 - Cryogenic Systems</b>																								
<b>621 - LN2-LHe Supply System</b>																								
631-001	Preliminary Design	19MAY06*	19MAY06*	21AUG06	21AUG06	137		0.00	15,032.10	0.00														
631-010	Final Design	22AUG06	22AUG06	21NOV06	21NOV06	137		0.00	35,902.27	0.00														
631-015	Fab/Assy/Installation	08FEB07*	08FEB07*	09MAY07	09MAY07	129		0.00	82,963.10	0.00														
631-020	Procurement	06DEC06*	06DEC06*	16APR07	16APR07	129		0.00	118,976.00	0.00														
<b>622 - LN2 Coil Cooling Supply</b>																								
632-001	Preliminary Design	15MAY06*	15MAY06*	15AUG06	15AUG06	116		0.00	15,032.10	0.00														
632-010	Final Design	16AUG06	16AUG06	15NOV06	15NOV06	116		0.00	29,337.35	0.00														
632-015	Fab/Assy/Installation	18DEC06*	18DEC06*	29MAY07	29MAY07	116		0.00	114,018.60	0.00														
632-020	Procurement	16NOV06*	16NOV06*	29MAY07	29MAY07	116		0.00	116,001.60	0.00														

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-  current schedule
-  xECP5 Baseline
-  Progress Bar
-  Critical Activity

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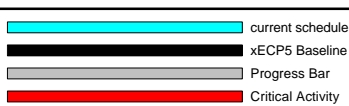
**NCSX  
ECP5 Baseline**

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**STATUS THROUGH  
APRIL 1, 2004**

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
<b>623 - GN2 Cryostat Cooling System</b>																								
633-001	Preliminary Design	12APR06*	12APR06*	13JUL06	13JUL06	139		0.00	15,032.10	0.00														
633-010	Final Design	14JUL06	14JUL06	13OCT06	13OCT06	139		0.00	24,114.72	0.00														
633-015	Fab/Assy/Installation	11JAN07*	11JAN07*	14MAY07	14MAY07	126		0.00	72,933.10	0.00														
633-020	Procurement	02NOV06*	02NOV06*	14MAY07	14MAY07	126		0.00	108,092.40	0.00														
<b>63 - Utility Systems</b>																								
640.010 FY04/05 LOE support												BLANCHARD=100												
640.011	Design GN2, Air & Vent Systems	26MAY06*	26MAY06*	09NOV06	09NOV06	150		0.00	31,706.87	0.00														
640.021	Assembly/Fabrication	19DEC06*	19DEC06*	20FEB07	20FEB07	125		0.00	72,413.80	0.00														
<b>64 - PFC/VV Heating &amp; Cooling</b>																								
650.001 Preliminary Design																								
650.005	Final Design	08AUG06	08AUG06	07NOV06	07NOV06	122		0.00	118,749.29	0.00														
650.010	Lab Fab/Assy/Installation	08NOV06*	08NOV06*	18MAY07	18MAY07	122		0.00	286,477.00	0.00														
650.012	Procured Hardware/Material	08NOV06*	08NOV06*	18MAY07	18MAY07	122		0.00	172,650.40	0.00														
650.015	Procured Installation/Assy	21MAR07*	21MAR07*	18MAY07	18MAY07	122		0.00	10,816.00	0.00														
<b>65 - Facility Systems Integration</b>																								
<b>Job: 6163 - Facility Systems Support FY04</b>																								
65-03	LOE WBS 6	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	15,723.36	32,220.00	0.00	Kalish=100;Gettelfinger=100													
<b>Job: 6501 - Facility Systems Integration-DUDEK</b>																								
<b>FY03 Actual Cost</b>																								
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	9,380.00	9,380.00	0.00														
<b>7 - Test Cell Preparation and Machine Assy</b>																								
<b>71 - Shield Wall Seismic Modifications</b>																								
<b>Job: 7101 - Shield Wall Modif Design-PERRY</b>																								
<b>FY03 Actual Cost</b>																								
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	32,150.00	32,150.00	0.00														
<b>72 - Control Room Refurbishment</b>																								
<b>Job: 7201 - Control Room Walls&amp;Floors-PERRY</b>																								
710.001 Block Wall east side control room												ee/tb=200; 41=\$8k												
711B.050	Complete Control Room Flooring	29JUL04	29JUL04	25AUG04	25AUG04	1,284	85	0.00	8,107.20	0.00	ee/sm Edwards= 24 hrs; em/t													

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 current schedule  
 xECP5 Baseline  
 Progress Bar  
 Critical Activity

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**NCSX  
ECP5 Baseline**

**STATUS THROUGH  
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Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04						FY05																			
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
<b>73 - Platform Design &amp; Fabrication</b>																																				
<b>Job: 7301 - Platform Design &amp; Fab-PERRY</b>																																				
712.008	Update Platform Specification	02FEB04*	01APR04*	17FEB04	07MAY04	1,296		0.00	6,460.00	-6,460.00																										
712.009	Platform PDR			17FEB04*	21MAY04*	1,286		0.00	0.00	0.00																										
711A.040	Platform nut plates	02JUL04*	02JUL04*	30SEP04	30SEP04	1,259	75	0.00	28,922.00	0.00																										
712.010	Final Design	01JUL04*	01JUL04*	30SEP04	30SEP04	1,283		0.00	54,170.00	0.00																										
<b>Job: 7401 - TC Prep &amp; Mach Assy Planning-PERRY</b>																																				
712.020	Fab & Assemble Platform	03OCT05*	03OCT05*	10APR06	10APR06	212		0.00	24,296.30	0.00																										
712.030	Miscs Hardware/Material	03OCT05*	03OCT05*	10APR06	10APR06	896		0.00	45,675.00	0.00																										
<b>74 - Machine Assembly Planning and Oversight</b>																																				
<b>Job: 7401 - TC Prep &amp; Mach Assy Planning-PERRY</b>																																				
<b>FY03 Actual Cost</b>																																				
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	131,680.00	131,680.00	0.00																										
<b>Oversight and Supervision</b>																																				
711A.020	LOE FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	74,947.25	149,894.50	0.00																										
<b>Project Scope</b>																																				
714.010	LOE FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	522		0.00	236,807.20	0.00																										
714.020	LOE FY06 prior to assy starting	03OCT05	03OCT05	31MAR06	31MAR06	522		0.00	118,111.86	0.00																										
714.030	LOE FY07 thru first plasma	03APR06	03APR06	14SEP07	14SEP07	522		0.00	542,474.94	0.00																										
714.031	WBS 7 mgt stretch out cost	11SEP07*	11SEP07*	30MAY08	30MAY08	346		0.00	287,396.72	0.00																										
<b>FED/Infrastructure Support (non Project cost)</b>																																				
613.010	Remove Shield Walls ** GPP **	02FEB04*	01APR04*	01JUN04	01JUN04	1,368		0.00	0.00	0.00																										
613.015	Fabricate New Bottom Course of Blocks **GPP**	15MAR04*	01APR04*	15JUL04	15NOV04	1,251		0.00	0.00	0.00																										
613.017	Install New Bottom Course **GPP**	02AUG04*	02AUG04*	04JAN05	04JAN05	1,219		0.00	0.00	0.00																										
613.020	Remove south PLT shielding (cc7230)	12JAN04A	12JAN04A	15JUN04	15JUN04	1,358		0.00	0.00	0.00																										
613.025	Dispose of old south PLT shielding **GPP**	15JUN04*	15JUN04*	16AUG04	16AUG04	1,315		0.00	0.00	0.00																										
EXFAC003	Clear PBX control room & Safe PBX (cc7230)	27JAN03A	27JAN03A	30JUN03A	30JUN03A		100	0.00	0.00	0.00																										
EXFAC004	Remove Fire protection PLT wall (cc7230)	01MAY03A	01MAY03A	09MAY03A	09MAY03A		100	0.00	0.00	0.00																										
EXFAC005	Remove Fire Protection under platform (cc7230)	01APR03A	01APR03A	30APR03A	30APR03A		100	0.00	0.00	0.00																										
EXFAC006	Remove Fire Protection Control rm walls(cc7230)	01MAY03A	01MAY03A	09MAY03A	09MAY03A		100	0.00	0.00	0.00																										
EXFAC007	Remove PBX Base Plates cc7230)	01MAR04*	25FEB04A	30APR04	12MAR04A		100	0.00	0.00	0.00																										
GPP001	GPP-Upgarde C-Site central chilled wtr plant*TBD	01OCT02A	01OCT02A	01OCT02A	01OCT02A			0.00	0.00	0.00																										
GPP004	GPP-Roofing Design	02FEB04*	01APR04*	30SEP04	30SEP04	1,010		0.00	0.00	0.00																										
GPP004.1	GPP-Roofing Install	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010		0.00	0.00	0.00																										
GPP005	GPP-Test Cell lighting Design	01APR04*	01APR04*	30JUN04	30JUN04	1,259		0.00	0.00	0.00																										
GPP005.1	GPP-Test Cell lighting Install	01JUL04	01JUL04	30SEP04	30SEP04	1,259		0.00	0.00	0.00																										

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl't	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
GPP006	GPP-Test Cell HVAC/dew point control Design	01OCT04*	01OCT04*	30MAR05	30MAR05	1,011		0.00	0.00	0.00	[Gantt bar from Oct 2004 to Mar 2005]													
GPP006.1	GPP-Test Cell HVAC/dew point control Install	31MAR05	31MAR05	29SEP05	29SEP05	1,011		0.00	0.00	0.00	[Gantt bar from Mar 2005 to Sep 2005]													
GPP007	GPP-C-Site elevators Design	02FEB04*	01APR04*	29APR04	30JUN04	1,259		0.00	0.00	0.00	[Gantt bar from Feb 2004 to Jun 2004]													
GPP007.1	GPP-C-Site elevators Install	30APR04	01JUL04	30JUL04	30SEP04	1,259		0.00	0.00	0.00	[Gantt bar from Apr 2004 to Sep 2004]													
GPP008	GPP-Fire suppression high bay design	01APR04*	01APR04*	30JUN04	30JUN04	1,259		0.00	0.00	0.00	[Gantt bar from Apr 2004 to Jun 2004]													
GPP008.1	GPP-Fire suppression high bay install	01JUL04	01JUL04	30SEP04	30SEP04	1,259		0.00	0.00	0.00	[Gantt bar from Jul 2004 to Sep 2004]													
GPP009	Control Room Lights & Outlets design	01OCT04*	01OCT04*	31MAR05	31MAR05	1,010		0.00	0.00	0.00	[Gantt bar from Oct 2004 to Mar 2005]													
GPP009.1	Control Room Lights & Outlets install	01APR05	01APR05	30JUN05	30JUN05	1,010		0.00	0.00	0.00	[Gantt bar from Apr 2005 to Jun 2005]													
GPP010	Control Room HVAC Design	01OCT04*	01OCT04*	31MAR05	31MAR05	1,010		0.00	0.00	0.00	[Gantt bar from Oct 2004 to Mar 2005]													
GPP010.1	Control Room HVAC Install	01APR05	01APR05	30JUN05	30JUN05	1,010		0.00	0.00	0.00	[Gantt bar from Apr 2005 to Jun 2005]													
GPP011	Control Room Ceiling Design	01APR05*	01APR05*	30JUN05	30JUN05	1,010		0.00	0.00	0.00	[Gantt bar from Apr 2005 to Jun 2005]													
GPP011.1	Control Room Ceiling Install	01JUL05	01JUL05	30SEP05	30SEP05	1,010		0.00	0.00	0.00	[Gantt bar from Jul 2005 to Sep 2005]													
GPP012	Control Rm Fire Detection & Suppression Design	01OCT04*	01OCT04*	31MAR05	31MAR05	1,010		0.00	0.00	0.00	[Gantt bar from Oct 2004 to Mar 2005]													
GPP012.1	Control Rm Fire Detection & Suppression Install	01APR05	01APR05	30JUN05	30JUN05	1,010		0.00	0.00	0.00	[Gantt bar from Apr 2005 to Jun 2005]													
<b>Test Cell Modifications &amp; Upgrades</b>																								
613.030	Test Cell copper ground plane cuts	03MAY04*	01APR04*	07JUN04	05MAY04	1,220		0.00	10,490.00	0.00	[Gantt bar from May 2004 to Jun 2004] em/tb=120; 41=\$1k													
713.010	General procurements	01APR04*	01APR04*	30SEP04	30SEP04	1,283		0.00	19,110.00	0.00	[Gantt bar from Apr 2004 to Sep 2004] 41=\$15 k													
7502-000	Outlet Design	02FEB04*	02FEB04A	30APR04	30APR04	1,199		16,730.06	25,272.00	11.66	[Gantt bar from Feb 2004 to Apr 2004] em/sm=240													
7502-001	Test Cell 110v outlets	01JUL04*	01JUL04*	26AUG04	26AUG04	1,283		0.00	14,268.80	0.00	[Gantt bar from Jul 2004 to Aug 2004] 160 hrs powers;													
7502-002	Test Cell 208v outlets	01JUL04*	01JUL04*	26AUG04	26AUG04	1,283		0.00	7,134.40	0.00	[Gantt bar from Jul 2004 to Aug 2004] 80 hrs powers													
7502-010	Ready Rooms (under control room) 110v outlets	01JUL04*	01JUL04*	26AUG04	26AUG04	1,157		0.00	7,134.40	0.00	[Gantt bar from Jul 2004 to Aug 2004] 80 hrs powers													
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	9,937.20	9,937.20	0.00	[Gantt bar from Oct 2003 to Oct 2003] S04335-32 = \$7.8k													
7502-025	TC Floor penetration covers	03NOV03A	03NOV03A	26NOV03A	26NOV03A		100	16,848.00	16,848.00	0.00	[Gantt bar from Nov 2003 to Nov 2003] em/sm=160;													
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	02FEB04A	30JAN04A	30JAN04A		100	37,608.48	37,608.48	0.00	[Gantt bar from Feb 2004 to Jan 2004] M&S=\$29.52k													
<b>75 - Test Cell and Basement Assembly Operations</b>																								
<b>7501 - Construction Support Crew</b>																								
7501-05	Construction Support Crew during machine assy	05JAN06	27JAN06	04JUN07	26JUN07	96		0.00	794,815.37	0.00	[Gantt bar from Jan 2006 to Jun 2007]													
7501-06	Construction Support Crew during e-beam mapping	22AUG07	14SEP07	18OCT07	09NOV07	482		0.00	94,025.50	0.00	[Gantt bar from Aug 2007 to Nov 2007]													
7501-07	Construction Support Crew during cryostat instl	05OCT07	29OCT07	03DEC07	02JAN08	452		0.00	92,837.72	0.00	[Gantt bar from Oct 2007 to Jan 2008]													
<b>7502 - Test Cell Facility Preparations</b>																								
7502-020	Resurface TC floor	04OCT04*	04OCT04*	02DEC04	02DEC04	1,132		0.00	30,248.00	0.00	[Gantt bar from Oct 2004 to Dec 2004] ee/tb=160; M&S=\$10k													
7502-030	TC Floor firesealing	03DEC04*	03DEC04*	09FEB05	09FEB05	1,132		0.00	12,996.00	0.00	[Gantt bar from Dec 2004 to Feb 2005] ee/tb=120;													

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**NCSX**  
**ECP5 Baseline**

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**STATUS THROUGH**  
**APRIL 1, 2004**

current schedule  
 xECP5 Baseline  
 Progress Bar  
 Critical Activity

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	FY04												FY05													
											S	O	N	D	J	F	M	A	M	J	J	A	S	S	O	N	D	J	F	M	A	M	J	J	A	E
											ee/tb=80																									
7502-035	Control room firesealing	10FEB05*	10FEB05*	08APR05	08APR05	1,132		0.00	8,664.00	0.00																										
<b>7503 - Machine Assembly</b>																																				
730.1000	Begin Assembly Activities	18JUL06*	18JUL06*			124		0.00	0.00	0.00																										
730.1020	Install & Level Support Base Plates	18JUL06	18JUL06	07AUG06	07AUG06	124		0.00	34,504.00	0.00																										
730.1030	Install/Level Machine Support Columns	08AUG06	08AUG06	12SEP06	12SEP06	124		0.00	51,756.00	0.00																										
730.1040	Install Platform	13SEP06	13SEP06	30NOV06	30NOV06	124		0.00	231,277.87	0.00																										
730.1050	Install Lighting, Fire Det/Supprs under platform	01DEC06	01DEC06	24JUL07	24JUL07	559		0.00	70,761.60	0.00																										
730.1060	Install Lower Cryostat Floor	27SEP06	27SEP06	03OCT06	03OCT06	124		0.00	17,784.80	0.00																										
730.1070	Install Lower PF 3,4,5&6 into prelim position	04OCT06	04OCT06	10OCT06	10OCT06	124		0.00	18,584.00	0.00																										
730.1081	1st Field Period Assembly-Position	11OCT06	11OCT06	18OCT06	18OCT06	124		0.00	22,300.80	0.00																										
730.1081X	*****PBR add1st Field Period Assembly-Position	19OCT06	19OCT06	26OCT06	26OCT06	124		0.00	22,300.80	0.00																										
730.1082	1st Field Period Assembly-Weld	27OCT06	27OCT06	01NOV06	01NOV06	124		0.00	14,867.20	0.00																										
730.1083	1st Field Period Assembly-Leak Check	02NOV06	02NOV06	08NOV06	08NOV06	124		0.00	18,584.00	0.00																										
730.1091	2nd Field Period Assembly-Position	09NOV06	30NOV06	16NOV06	07DEC06	111		0.00	22,300.80	0.00																										
730.1091X	****PBR add2nd Field Period Assembly-Position	17NOV06	08DEC06	28NOV06	15DEC06	111		0.00	22,300.80	0.00																										
730.1092	2nd Field Period Assembly-Weld	29NOV06	18DEC06	04DEC06	21DEC06	111		0.00	14,867.20	0.00																										
730.1093	2nd Field Period Assembly-Leak Check	05DEC06	22DEC06	11DEC06	05JAN07	111		0.00	18,584.00	0.00																										
730.1101	3rd Field Period Assembly-Position	05JAN07	29JAN07	22JAN07	13FEB07	96		0.00	44,601.60	0.00																										
730.1101X	*****pbr adrd Field Period Assembly-Position	23JAN07	14FEB07	07FEB07	01MAR07	96		0.00	44,601.60	0.00																										
730.1102	3rd Field Period Assembly-Weld	08FEB07	02MAR07	13FEB07	07MAR07	96		0.00	14,867.20	0.00																										
730.1103	3rd Field Period Assembly-Leak Check	14FEB07	08MAR07	20FEB07	14MAR07	96		0.00	18,584.00	0.00																										
730.1130	Make Final Vacuum Pump Connections to VV	21FEB07	15MAR07	09MAR07	02APR07	96		0.00	37,168.00	0.00																										
730.1139	Begin Vac Vsl Pumpdown	12MAR07	03APR07			96		0.00	0.00	0.00																										
730.1140	PTP Pumpdown & leak check VV (WBS 220-025)	12MAR07	03APR07	23MAR07	16APR07	96		0.00	47,012.00	0.00																										
730.1150	Raise lower PF-3,4,5&6 coils into final position	26MAR07	17APR07	28MAR07	19APR07	96		0.00	11,615.00	0.00																										
730.1170	Install PF Solenoid into position (U/L 1&2 PF)	29MAR07	20APR07	03APR07	25APR07	96		0.00	13,938.00	0.00																										
730.1175	Install Upper PF-3,4,5 & 6 coils	04APR07	26APR07	06APR07	30APR07	96		0.00	11,615.00	0.00																										
730.1180	Install Bus connections to coil sys (WBS 431-131)	09APR07	01MAY07	04JUN07	26JUN07	96		0.00	0.00	0.00																										
730.1210	Connect Cooling System (WBS 61)	26MAR07	17APR07	04MAY07	29MAY07	116		0.00	0.00	0.00																										
730.1230	Complete Bus connections (WBS 4 )	09APR07	01MAY07	04JUN07	26JUN07	96		0.00	37,168.00	0.00																										
730.1249	Operational Readiness Assessment	07MAY07	30MAY07	04JUN07	26JUN07	96		0.00	0.00	0.00																										
730.1250	Operational Readiness			04JUN07	26JUN07	96		0.00	0.00	0.00																										
730.8074	Begin Cryostat Installation	05OCT07	29OCT07			96		0.00	0.00	0.00																										
730.8075	Prep Cryostat for installation	05OCT07	29OCT07	18OCT07	09NOV07	96		0.00	66,128.00	0.00																										
730.8100	Cryo stat installation & Test & Cooldown	19OCT07	12NOV07	15NOV07	11DEC07	96		0.00	132,256.00	0.00																										

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NCSX  
ECP5 Baseline

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STATUS THROUGH  
APRIL 1, 2004



Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
730.8200	Cold Power Test PTP	16NOV07	12DEC07	03DEC07	02JAN08	96		0.00	66,128.00	0.00	[Gantt Chart: Activity 730.8200 spans from Nov 2007 to Jan 2008]													
<b>76 - Tooling Design &amp; Fabrication</b>																								
713.020	Lab Fab/Assy/Installation	01OCT04*	01OCT04*	28SEP07	28SEP07	519		0.00	29,973.45	0.00	[Gantt Chart: Activity 713.020 spans from Oct 2004 to Sep 2007]													
713.030	Tooling,assy fixtures,misc equipt	03APR06*	03APR06*	28SEP07	28SEP07	519		0.00	80,177.55	0.00	[Gantt Chart: Activity 713.030 spans from Apr 2006 to Sep 2007]													
713.040	General procurements	03APR06*	03APR06*	28SEP07	28SEP07	519		0.00	60,133.16	0.00	[Gantt Chart: Activity 713.040 spans from Apr 2006 to Sep 2007]													
713.050	Welding tools, materials & equipt	03APR06*	03APR06*	28SEP07	28SEP07	519		0.00	53,451.70	0.00	[Gantt Chart: Activity 713.050 spans from Apr 2006 to Sep 2007]													
<b>77 - Measurement Systems</b>																								
780.000	No additional tools/devices needed.	02FEB04	01APR04	30MAY08	30MAY08	348		0.00	0.00	0.00	[Gantt Chart: Activity 780.000 spans from Feb 2004 to May 2008]													
<b>8 - Project Oversight and Support</b>																								
<b>81 - Project Management and Control</b>																								
<b>Job: 8101 - Project Management &amp; Control-NEILSON</b>																								
<b>FY03 Actual Cost</b>																								
810.001	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	387,340.00	387,340.00	0.00	[Gantt Chart: Activity 810.001 spans from Apr 2003 to Sep 2003]													
M-0110	CD-2				03FEB04A			0.00	0.00	0.00	[Gantt Chart: Activity M-0110 spans from Feb 2004]													
810.009	PDR Support	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	41,163.08	41,163.08	0.00	[Gantt Chart: Activity 810.009 spans from Oct 2003 to Oct 2003]													
810.010	CD-3 Readiness - Update Assy & Installation plan	01APR04*	01APR04*	01JUL04	01JUL04	1,346		0.00	0.00	0.00	[Gantt Chart: Activity 810.010 spans from Apr 2004 to Jul 2004]													
810.015	CD-3 Readiness - Update resource loaded schedule	01APR04*	01APR04*	01JUL04	01JUL04	1,346		0.00	0.00	0.00	[Gantt Chart: Activity 810.015 spans from Apr 2004 to Jul 2004]													
810.020	CD-3 Readiness - Update risk management plan	01APR04*	01APR04*	01JUL04	01JUL04	1,346		0.00	0.00	0.00	[Gantt Chart: Activity 810.020 spans from Apr 2004 to Jul 2004]													
810.025	CD-3 Readiness - Update Value mgmt/engr doc.	01APR04*	01APR04*	01JUL04	01JUL04	1,346		0.00	0.00	0.00	[Gantt Chart: Activity 810.025 spans from Apr 2004 to Jul 2004]													
810.028	CD-3 Readiness - Update Project Controls doc.	01APR04*	01APR04*	01JUL04	01JUL04	1,346		0.00	0.00	0.00	[Gantt Chart: Activity 810.028 spans from Apr 2004 to Jul 2004]													
810.030	CD-3 Readiness - Update Acquisition Strategy	01APR04*	01APR04*	01JUL04	01JUL04	1,346		0.00	0.00	0.00	[Gantt Chart: Activity 810.030 spans from Apr 2004 to Jul 2004]													
810.035	CD-3 Readiness - Update Proj Exec Plan (PEP)	01APR04*	01APR04*	01JUL04	01JUL04	1,346		0.00	0.00	0.00	[Gantt Chart: Activity 810.035 spans from Apr 2004 to Jul 2004]													
810.040	CD-3 Readiness - Assess/Update Integr Proj Team	01APR04*	01APR04*	01JUL04	01JUL04	1,346		0.00	0.00	0.00	[Gantt Chart: Activity 810.040 spans from Apr 2004 to Jul 2004]													
M-0115	CD-3			30SEP04*	31AUG04	115		0.00	0.00	0.00	[Gantt Chart: Activity M-0115 spans from Sep 2004]													
810.002	Project Management Office PPPL FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	344,577.41	689,154.82	0.00	[Gantt Chart: Activity 810.002 spans from Oct 2003 to Sep 2004]													
810.003	Project Management Office PPPL FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,028		0.00	538,759.58	0.00	[Gantt Chart: Activity 810.003 spans from Oct 2004 to Sep 2005]													
810.004	Project Management Office PPPL FY06	03OCT05*	03OCT05*	29SEP06	29SEP06	519		0.00	492,727.12	0.00	[Gantt Chart: Activity 810.004 spans from Oct 2005 to Sep 2006]													
810.004X	Project Management Office PPPL FY07	02OCT06	02OCT06	04JAN07	04JAN07	519		0.00	140,228.10	0.00	[Gantt Chart: Activity 810.004X spans from Oct 2006 to Jan 2007]													
810.005	Project Management OfficePPPL FY07	05JAN07	05JAN07	28SEP07	28SEP07	519		0.00	341,782.20	0.00	[Gantt Chart: Activity 810.005 spans from Jan 2007 to Sep 2007]													
810.900	Project Management Office PPPL 1 mo SO	01OCT07*	01OCT07*	29OCT07	29OCT07	351		0.00	42,310.60	0.00	[Gantt Chart: Activity 810.900 spans from Oct 2007]													
810.990	Project Management Office PPPL 1 mo SO	30OCT07*	30OCT07*	27NOV07	27NOV07	351		0.00	42,310.60	0.00	[Gantt Chart: Activity 810.990 spans from Oct 2007]													

PEP Date = February 2004  
 41=\$ 28.17 x R400432 (pdr support)  
 Neumeyer PDR panel = 35 hrs

PEP Date = October 2004  
 Nelson=1467; Schmidt=884  
 Strykowski =884hr ; Ham

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmplt	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Schedule													
											FY04						FY05							
											S	O	N	D	J	F	M	A	M	J	J	A	S	O
810.991	Project Management Office PPPL 1 mo SO	28NOV07*	28NOV07*	31DEC07	31DEC07	351		0.00	42,310.60	0.00														
810.992	Project Management Office PPPL 1 mo SO	02JAN08*	02JAN08*	30JAN08	30JAN08	351		0.00	42,310.60	0.00														
810.993	Project Management Office PPPL 1 mo SO	31JAN08*	31JAN08*	28FEB08	28FEB08	351		0.00	42,310.60	0.00														
810.994	Project Management Office PPPL 1 mo SO	29FEB08*	29FEB08*	28MAR08	28MAR08	351		0.00	42,310.60	0.00														
810.995	Project Management Office PPPL 1 mo SO	31MAR08*	31MAR08*	28APR08	28APR08	351		0.00	42,310.60	0.00														
810.996	Project Management Office PPPL 1 mo SO	29APR08*	29APR08*	27MAY08	27MAY08	351		0.00	42,310.60	0.00														
<b>Job: 8102 - NCSX MIE Management ORNL-LYON</b>																								
<b>FY03 Actual Cost</b>																								
810.101	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	58,600.00	58,600.00	0.00														
810.102	Project Management Office ORNL FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	60,114.11	120,228.22	0.00														
810.103	Project Management Office ORNL FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,028		0.00	85,894.36	0.00														
810.104	Project Management Office ORNL FY06	03OCT05*	03OCT05*	29SEP06	29SEP06	519		0.00	49,323.49	0.00														
810.104X	Project Management Office ORNL FY06	02OCT06	02OCT06	04JAN07	04JAN07	519		0.00	14,321.54	0.00														
810.105	Project Management Office ORNL FY07	05JAN07	05JAN07	28SEP07	28SEP07	519		0.00	33,631.32	0.00														
810.901	Project Management Office ORNL 1 mo SO	02OCT07*	02OCT07*	30OCT07	30OCT07	350		0.00	2,834.10	0.00														
810.980	Project Management Office ORNL 1 mo SO	31OCT07*	31OCT07*	28NOV07	28NOV07	350		0.00	2,834.10	0.00														
810.981	Project Management Office ORNL 1 mo SO	03DEC07*	03DEC07*	02JAN08	02JAN08	350		0.00	2,834.10	0.00														
810.982	Project Management Office ORNL 1 mo SO	03JAN08*	03JAN08*	31JAN08	31JAN08	350		0.00	2,834.10	0.00														
810.983	Project Management Office ORNL 1 mo SO	01FEB08*	01FEB08*	29FEB08	29FEB08	350		0.00	2,834.10	0.00														
810.984	Project Management Office ORNL 1 mo SO	03MAR08*	03MAR08*	31MAR08	31MAR08	350		0.00	2,834.10	0.00														
810.985	Project Management Office ORNL 1 mo SO	01APR08*	01APR08*	29APR08	29APR08	350		0.00	2,834.10	0.00														
810.986	Project Management Office ORNL 1 mo SO	30APR08*	30APR08*	28MAY08	28MAY08	350		0.00	2,834.10	0.00														
<b>82 - Project Engineering</b>																								
<b>Job: 8202 - Engr Mgmt &amp; Sys Eng Support-REIERSEN</b>																								
<b>FY03 Actual Cost</b>																								
820.110	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	295,530.00	295,530.00	0.00														
820.002	LOE FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	313,375.65	626,751.30	0.00	Reiersen =1467hr 35=\$8k ; Dudek/Gentile=60 41=\$30 k; Simmons=1326													
<b>Job: 8203 - Design Integration-REIERSEN</b>																								
<b>FY03 Actual Cost</b>																								
820.150	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	178,750.00	178,750.00	0.00														
820.200	LOE FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	128,636.40	257,272.80	0.00	Brown=1036; Steill= 863													
<b>Job: 8204 - Systems Analysis-REIERSEN</b>																								
<b>FY03 Actual Cost</b>																								
820.173	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	44,620.00	44,620.00	0.00														

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**NCSX  
ECP5 Baseline**

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**STATUS THROUGH  
APRIL 1, 2004**

Activity ID	Activity Description	ECP5 Baseline Start	Forecast Start	ECP5 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	ECP5 Budget	Sched Var (BCWP - BCWS)	Gantt Chart																									
											FY04						FY05																			
												S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	E
820.174	LOE FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	75,127.25	150,254.50	0.00																										
8204.01	Assess magnetic material in test cell	02FEB04*	02FEB04A	19APR04	19APR04	125	90	34,711.20	38,568.00	5,096.49																										
8204.02	Model effects local high MU regions on MCWF	20APR04	20APR04	28MAY04	28MAY04	125		0.00	19,284.00	0.00																										
820.003	Proj engr,Sys Integr.,Designers, Deputy PM FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,028		0.00	933,340.30	0.00																										
820.004	Proj engr,Sys Integr.,Designers, Deputy PM FY06	03OCT05*	03OCT05*	29SEP06	29SEP06	348		0.00	870,153.80	0.00																										
820.004X	Proj engr,Sys Integr.,Designers, Deputy PM FY07	02OCT06	02OCT06	04JAN07	04JAN07	348		0.00	240,404.50	0.00																										
820.004Z	Proj engr,Sys Integr.,Designers, Deputy 8mo s.o.	05JAN07	05JAN07	25SEP07	25SEP07	348		0.00	692,941.22	0.00																										
820.005	Proj engr,Sys Integr.,Designers, Deputy PM FY07	26SEP07*	26SEP07*	30MAY08	30MAY08	348		0.00	375,239.54	0.00																										
<b>84 - Project Physics</b>																																				
<b>Job: 8401 - Project Physcis-ZARNSTORFF</b>																																				
<b>FY03 Actual Cost</b>																																				
840.201	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	210,270.00	210,270.00	0.00																										
840.202	Project Physics/Engr Analysis FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	49,903.10	99,806.20	0.00																										
840.203	Project Physics/Engr Analysis FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,028		0.00	95,530.00	0.00																										
<b>Job: 8402 - Project Physics MIE ORNL-LYON</b>																																				
<b>FY03 Actual Cost</b>																																				
840.301	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	40,980.00	40,980.00	0.00																										
840.302	Project Physics/Engr Analysis FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	30,555.48	61,110.96	0.00																										
<b>85 - Integrated Systems Testing</b>																																				
920.001	Procedure and Document Preparation	03APR06*	03APR06*	11APR07	11APR07	129		0.00	458,003.27	0.00																										
920.004	Begin Start-up Testing	05JUN07	27JUN07			96		0.00	0.00	0.00																										
920.005	Start-up Testing	05JUN07	27JUN07	21AUG07	13SEP07	96		0.00	390,743.50	0.00																										
920.010	Power Testing and E-Beam Mapping	22AUG07	14SEP07	18OCT07	09NOV07	96		0.00	308,663.69	0.00																										
920.020	Final ISTP	04DEC07	03JAN08	17DEC07	16JAN08	96		0.00	67,553.80	0.00																										
730.9000	First Plasma			30MAY08*	16JAN08	96		0.00	0.00	0.00																										
M-0120	CD-4			30MAY08*	30MAY08*	0		0.00	0.00	0.00																										