

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
cc 9450 - NCSX Fabrication (MIE)															
1 - Stellarator Core Systems															
11 - In-Vessel Components															
Job: 1101 - Limiter Adv Conc/Prel Dsn-GORANSON															
FY03 Actual Cost															
1101-100	Update Conceptual Design	15JUL03A	78	30SEP03A		100	60.00	60.00	0.00						
12 - Vacuum Vessel Systems															
Job: 1201 - Vacuum Vessel Prelim Dsn-GORANSON															
FY03 Actual Cost															
1201-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A		100	319,050.00	319,050.00	0.00						
1201-003	Apr-MSept MIE Cost PPPL	01APR03A	47	30SEP03A		100	105,370.00	105,370.00	0.00						
1201-500	WBS 12 & 14 PDR		0	07OCT03A		100	0.00	0.00	0.00						
Job: 1202 - Vacuum Vessel R&D - DUDEK															
FY03 Actual Cost															
1202-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A		100	60.00	60.00	0.00						
1202-003	Apr-Sept MIE Cost PPPL	01APR03A	47	30SEP03A		100	128,340.00	128,340.00	0.00						
Vessel Weld Joint R&D															
1203-405	Field Weld joint design and Specific spool piece	01DEC03A	107	30APR04A		100	38,607.00	38,607.00	0.00						
1202-800	Inconel Procurement *ECP6*	01APR04A	10	09APR04A		100	1,783.60	1,783.60	0.00						
1202-803	Drawings for Arc/Samples *ECP6*	12APR04A	10	16APR04A		100	3,230.00	3,230.00	0.00						
1202-806	Waterjet Arcs *ECP6*	19APR04A	2	22APR04A		100	1,228.80	1,228.80	0.00						
1202-809	Machine weld groove *ECP6*	23APR04A	5	26APR04A		100	3,369.60	3,369.60	0.00						
1202-812	Anneal Samples *ECP6*	27APR04A	2	28APR04A		100	1,684.80	1,684.80	0.00						
1202-815	Setup weld test *ECP6*	29APR04A	4	30APR04A		100	1,228.80	1,228.80	0.00						
1202-818	Weld samples *ECP6*	03MAY04A	6	10MAY04A		100	2,527.20	2,527.20	0.00						
1202-821	Eval & Redesign Joint iteration 2 *ECP6*	01JUN04A	5	07JUN04A		100	3,230.00	3,230.00	0.00						
1202-824	Machine iteration 2 *ECP6*	02AUG04A	10	13AUG04A		100	3,369.60	3,369.60	0.00						
1202-827	Anneal iteration 2 *ECP6*	16AUG04A	2	17AUG04A		100	1,684.80	1,684.80	0.00						
1202-833	Eval & redesign joint iteration 3 *ECP6*	01SEP04A	4	07SEP04A		100	3,230.00	3,230.00	0.00						
1202-836	Machine iteration 3 *ECP6*	08SEP04A	4	13SEP04A		100	3,369.60	3,369.60	0.00						
1202-839	Anneal iteration 3 *ECP6*	14SEP04A	5	20SEP04A		100	1,684.80	1,684.80	0.00						
1202-842	Weld iteration 3 *ECP6*	21SEP04A	4	24SEP04A		100	2,527.20	2,527.20	0.00						
1202-845	SOW for full size test sample *ECP6*	24MAR04A	28	28APR04A		100	6,460.00	6,460.00	0.00						
1202-866	Engineering Oversight *ECP6*	03MAR04A	149	30SEP04A		100	18,249.50	18,249.50	0.00						
VV Subcontractor Oversight															
1202-400	Oversight and Contract Management	01OCT03A	79	02JAN04A		LOE	62,738.00	62,738.00	0.00						
1202-401	Oversight and Contract Management	05JAN04A	63	31MAR04A		LOE	48,687.50	48,687.50	0.00						

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 41=\$1.4
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Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409 NCSX Sheet 1 of 50

**CD-3 Baseline ECP14
 Status thru 9/30/04**

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04						FY05						FY06						FY07						FY08						FY09					
										FY04						FY05						FY06						FY07						FY08						FY09					
1202-402	Oversight and Contract Management	01APR04A	128'	30SEP04A		LOE	18,572.50	18,572.50	0.00	viola=115																																			
Major Tool Subcontract (S04344F)																																													
1202-303	MT-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0'	13JUN03A		100	17,153.60	17,153.60	0.00																																				
1202-305	MT-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	15'	27JUN03A		100	10,050.56	10,050.56	0.00																																				
1202-310	MT-Incorp Comments & Reissue MIT/QA Plan (3.2.1)	10JUL03A	0'	17JUL03A		100	0.00	0.00	0.00																																				
1202-315	Finalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52'	15AUG03A		100	0.00	0.00	0.00																																				
1202-320	MT-PPPL Fabrication Release		0	15AUG03A		100	0.00	0.00	0.00																																				
1202-324	MT-PVVS Begin Fabrication (3.2.2)	18AUG03A	56'	30SEP03A		100	368,464.16	368,464.16	0.00																																				
1202-325	MT-PVVS Complete Fabrication (3.2.2) [A/ 1]	10NOV03A	122'	23APR04A		100	375,115.28	375,115.28	0.00	41=\$227.72 4e=\$5k ecp6																																			
1202-325.1	Major Tool VVSA Prototype Received		0	23APR04A		100	0.00	0.00	0.00	Keilbach=16																																			
1202-325A	Vist MT for welding	01APR04A	3	01APR04A		100	2,584.00	2,584.00	0.00	ETC=+goranson,viola=16 hr each																																			
1202-326	Prep Inspection Plan for MT PVVS	30APR04A	5	30APR04A		100	0.00	0.00	0.00	Raftopoulos=80, Keilbach=8 Boscoe=24																																			
1202-327	PPPL Receipt Inspection of MT PVVS	14JUN04A	5	18JUN04A		100	14,148.00	14,148.00	0.00	ETC=+goranson,cole,viola=16 hr each																																			
1202-328	Prep Inspection Report of MT PVVS	01JUL04A	5	08JUL04A		100	0.00	0.00	0.00	41=\$5 k (R367412)																																			
1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15'	22JUL04A		100	6,370.00	6,370.00	0.00	41=\$5 k (R367412)																																			
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15'	22JUL04A		100	6,370.00	6,370.00	0.00																																				
1202-335.1	Major Tool VVSA Price Proposal Received		0	22JUL04A		100	0.00	0.00	0.00																																				
Rohwedder Subcontract (S04345F)																																													
1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0'	13JUN03A		100	71,888.08	71,888.08	0.00																																				
1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	76'	27JUN03A		100	19,352.16	19,352.16	0.00																																				
1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	10JUL03A	0'	17JUL03A		100	0.00	0.00	0.00																																				
1202-415	Finalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52'	15AUG03A		100	0.00	0.00	0.00																																				
1202-420	RW-PPPL Fabrication Release		0	15AUG03A		100	0.00	0.00	0.00																																				
1202-424	RW-PVVS Begin Fabrication (3.2.2)	18AUG03A	131'	30SEP03A		100	143,280.88	143,280.88	0.00																																				
1202-424A	RW identify fabricator	01DEC03A	1	15DEC03A		100	0.00	0.00	0.00																																				
1202-424B	PPPL approve new fabricator	16DEC03A	1	31DEC03A		100	0.00	0.00	0.00																																				
1202-424D	PPPL visit fabricator (Jan)	01JAN04A	2	30JAN04A		100	0.00	0.00	0.00																																				
1202-424E	PPPL visit fabricator (Feb)	01MAR04A	2	31MAR04A		100	0.00	0.00	0.00																																				
1202-425	RW-PVVS Complete Fabrication (3.2.2)	01OCT03A	170	28MAY04A		100	311,059.84	311,059.84	0.00	41=\$144.06 k 41=\$100k ecp6																																			
1202-425.1	Rohwedder VVSA Prototype Received		0	08JUN04A		100	0.00	0.00	0.00	ETC=+goranson,viola=16 hr each																																			
1202-426	Prep Inspection Plan for RW PVVS	07JUN04A	5	08JUN04A		100	0.00	0.00	0.00	Raftopoulos=80, Keilbach=8 Boscoe=24																																			
1202-427	PPPL Receipt Inspection of RW PVVS	08JUN04A	10	21JUN04A		100	14,148.00	14,148.00	0.00	ETC=+goranson,cole,viola=16 hr each																																			
1202-428	Prep Inspection Report of RW PVVS	01JUL04A	5	08JUL04A		100	0.00	0.00	0.00	41=\$18.61 k (R367406)																																			
1202-430	RW-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15'	22JUL04A		100	23,709.14	23,709.14	0.00																																				

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

NCSX
 CD-3 Baseline ECP14
 Status thru 9/30/04

Sheet 2 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	Fiscal Year								
										FY04	FY05	FY06	FY07	FY08	FY09			
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15'	22JUL04A		100	15,122.38	15,122.38	0.00									
1202-435.1	Rohwedder VVSA Price Proposal Received		0	22JUL04A		100	0.00	0.00	0.00									
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON																		
Closeout PDR Design Deliverables																		
1203-101	Prepare documents for PDR closeout	03NOV03A	62'	30JAN04A		100	7,721.40	7,721.40	0.00									
1203-111	Response to chits, prepare FY04 WP/WAF/Checklist	01OCT03A	25	31OCT03A		100	7,721.40	7,721.40	0.00									
1203-121	Review, revise, and approve SRD	01NOV03A	2'12"	31AUG04A		100	7,721.40	7,721.40	0.00									
1203-131	Complete preliminary design of insulation and he	10NOV03A	122'	31MAR04A		100	11,582.10	11,582.10	0.00									
PDR Recommendations																		
1203-400	350c Bakeout Study	03NOV03A	94'	31DEC03A		100	25,738.00	25,738.00	0.00									
1203-401	Analysis & testing of tube attachment method	01DEC03A	20	31DEC03A		100	0.00	0.00	0.00									
1203-402	Determine thermal expansion vv to mcc clearance	01NOV03A	39'	31DEC03A		100	0.00	0.00	0.00									
1203-403	Determine cost of fabrication	01DEC03A	20	31DEC03A		100	0.00	0.00	0.00									
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT		0	31DEC03A		100	0.00	0.00	0.00									
Final Design Tasks																		
1203-141	Finalize Spec for VVSA	01MAR04A	87'	30JUN04A		100	18,067.60	18,067.60	0.00									
1203-151	Update VVSA Drawings incl ECP6 add'l port config	01DEC03A	149'	30JUN04A		100	202,403.63	202,403.63	0.00									
1203-181	Start Thermal Analyses	01NOV03A	82'	30JAN04A		100	23,012.76	23,012.76	0.00									
1203-191	Start Eddy Current Analyses	03NOV03A	87'	30JAN04A		100	3,536.05	3,536.05	0.00									
1203-202	Start Port Nozzle Analysis	02JAN04A	63'	30JAN04A		100	5,142.40	5,142.40	0.00									
1203-233	Check structural analysis	26APR04A	25'	28MAY04A		100	12,638.08	12,638.08	0.00									
1203-235	Perform Local Thermal Analysis	02FEB04A	65'	30APR04A		100	15,442.80	15,442.80	0.00									
1203-236	Check Local Thermal Analysis	02FEB04A	65'	30APR04A		100	15,442.80	15,442.80	0.00									
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65'	30APR04A		100	10,295.20	10,295.20	0.00									
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65'	30APR04A		100	12,856.00	12,856.00	0.00									
1203-240	Check Analysis of VV Supports	26APR04A	25'	28MAY04A		100	5,147.60	5,147.60	0.00									
1203-291	Update Design Basis Document	20APR04A	29'	18MAY04A		100	2,059.04	2,059.04	0.00									
1203-321	Assemble FDR Drawing Package, Check & Promote	03MAY04A	20'	18MAY04A		100	4,118.08	4,118.08	0.00									
1203-331	Prepare Presentations	03MAY04A	20'	18MAY04A		100	12,869.00	12,869.00	0.00									
1203-341	Conduct VVSA FDR		0	19MAY04A		100	0.00	0.00	0.00									
1203-311	Prepare Final Design ECP	24MAY04A	10	28MAY04A		100	3,088.56	3,088.56	0.00									
1203-161	Finalize & Sign All ICDs	20NOV03A	242'	01NOV04	459	70	10,902.97	15,575.67	-3,274.07									
1203-201	Update/Perform FMECA Analyses	01MAR04A	173'	01NOV04	459	85	4,428.13	5,209.56	-118.94									
1203-232	Structural Analysis of Vac Vsl	01MAR04A	172'	29OCT04	460	98	75,593.28	77,136.00	-1,542.72									
1203-234	Perform Global Seismic Analysis	01MAR04A	151'	31AUG04A		100	37,914.24	37,914.24	0.00									
1203-239	Perform Analysis of VV Supports	01MAR04A	172'	29OCT04	460	95	9,780.44	10,295.20	-514.76									

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

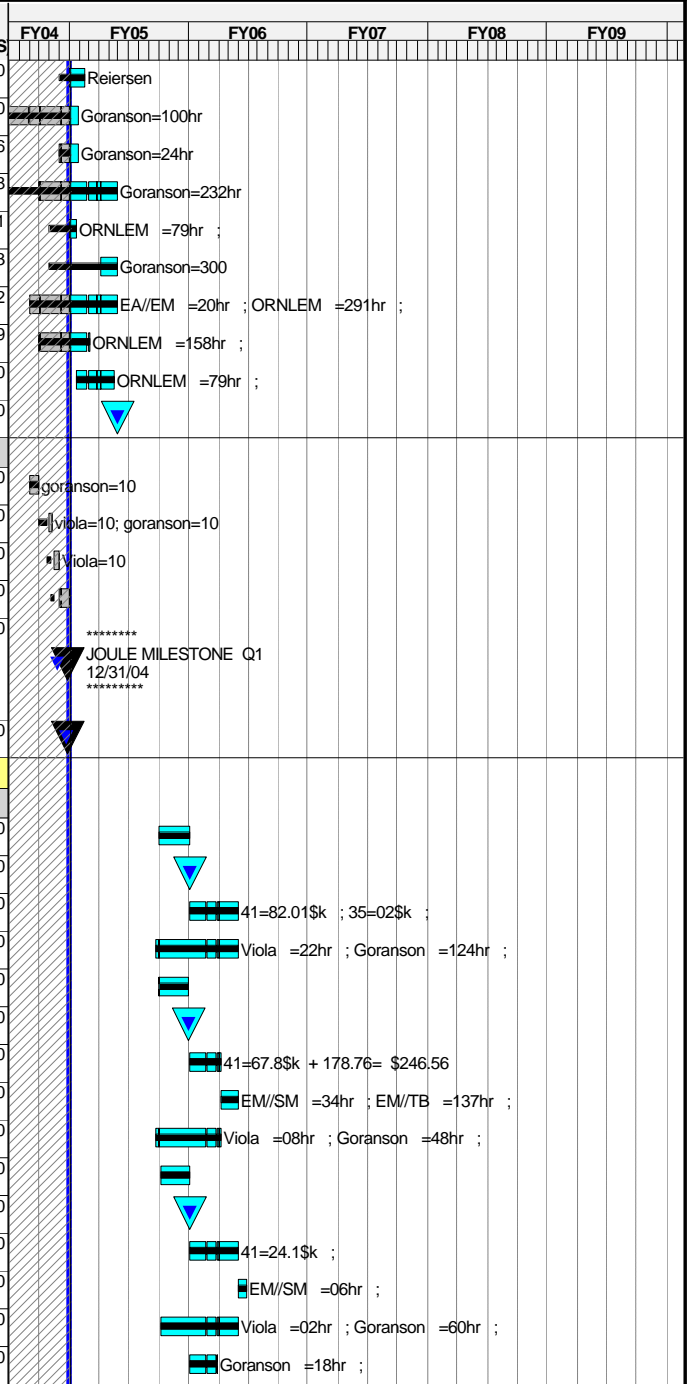
0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 3 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	Fiscal Year							
										FY04	FY05	FY06	FY07	FY08	FY09		
1203-241	Check FMECA Analyses	01OCT04*	32'	15NOV04	449		0.00	0.00	0.00								
1203-261	Provide Input to FP assy, Install & Startup Plan	01OCT03A	277'	29OCT04	460	90	11,582.10	12,869.00	-1,286.90								
1203-301	Update Cost and Schedule Estimates	01SEP04A	42'	29OCT04	1,262	30	1,617.36	3,234.72	-1,617.36								
1203-361	Final Design of Heating/Cooling	03NOV03A	233'	28FEB05	378	50	15,552.62	31,105.24	-6,017.38								
125-001	Prelim design WBS 125 local I&C	01OCT04*	15'	21OCT04	387		0.00	11,128.73	-8,250.61								
1203-271	Develop Assembly & Installation Procedures	04JAN05*	40'	28FEB05	378		0.00	42,261.00	-12,446.73								
122-011	Final design WBS 122 Thermal insulation	01JUN04A	189'	28FEB05	378	25	10,665.14	42,660.52	-8,746.52								
124-011	Final design WBS 124 VV supports	01JUL04A	106'	01DEC04	439	50	10,574.47	21,148.94	-6,384.59								
125-011	Final design WBS 125 local I&C	22OCT04	79'	15FEB05	387		0.00	11,156.90	0.00								
1203-900	Comprehensive WBS 12 FDR		0	28FEB05	378		0.00	0.00	0.00								
Vacuum Vessel Vendor Selection																	
121-6-6	Finalize tech Doc package & Resolve chits	01JUN04A	0'	30JUN04A		100	1,286.90	1,286.90	0.00								
121-6-8	Evaluate and Select VV Production Vendor	01AUG04A	0'	12AUG04A		100	2,901.90	2,901.90	0.00								
121-6-83	Negotiate with vendor	17AUG04A	0'	31AUG04A		100	1,615.00	1,615.00	0.00								
121-6-85	DOE Approve VV Selection & contract	01SEP04A	11	30SEP04A		100	0.00	0.00	0.00								
121-6-9	Award VV Production Vendor (Phase funded)		0	27SEP04A		100	0.00	0.00	0.00								
121-36-9.2	Release for Fabrication		0	27SEP04A		100	0.00	0.00	0.00								
Job:1204-VV Sys Procurements (non VVSA)-GORANSON																	
122-030	SPEA VV Thermal Insulation	05JUL05	65	03OCT05	225		0.00	0.00	0.00								
122-036.9	Award VV Insulation		0	03OCT05*	225		0.00	0.00	0.00								
122-037	VV Insulation Procurement WBS 122	04OCT05*	105	03MAR06	225		0.00	110,493.05	0.00								
122-031	Title III engr WBS 122	24JUN05	176	03MAR06	922		0.00	21,460.89	0.00								
123-030	SPEA VV Heating & Cooling	01JUL05	65	30SEP05	226		0.00	0.00	0.00								
123-036.9	Award VV Heating/Cooling Distribution		0	30SEP05	226		0.00	0.00	0.00								
123-037	VV Heating/Cooling Distr Procurement WBS 123	03OCT05*	65	05JAN06	226		0.00	321,760.80	0.00								
123-041	VV Heating/Cooling Fab/Assy WBS 123	06JAN06	40	02MAR06	226		0.00	14,744.50	0.00								
123-031	Title III engr WBS 123	24JUN05	135	05JAN06	963		0.00	8,194.72	0.00								
124-030	SPEA VV Supports	08JUL05	65	06OCT05	281		0.00	0.00	0.00								
124-036.9	Award VV Supports		0	06OCT05	281		0.00	0.00	0.00								
124-037	VV Supports Procurement WBS 124	07OCT05*	100	01MAR06	281		0.00	31,450.50	0.00								
124-041	VV Supports Fab/assy WBS 124	02MAR06	20	29MAR06	281		0.00	660.60	0.00								
124-031	Title III engr WBS 124	08JUL05	165	01MAR06	924		0.00	8,940.72	0.00								
125-015	Title III design Local I&C	03OCT05*	61	29DEC05	363		0.00	2,608.38	0.00								



Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409 NCSX Sheet 4 of 50
CD-3 Baseline ECP14
Status thru 9/30/04

FY04 Closeout

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125-037	Procurement Local I&C	04OCT05*	60	29DEC05	363		0.00	3,132.00	0.00						
Job: 1206 - VV Field Weld Joint R&D-DUDEK															
Vessel Weld Joint R&D															
1202-848	Bid,eval,award full size test sample *ECP6*	29APR04A	130'	01NOV04	606	LOE	1,348.53	1,622.78	-274.25						
1202-851	vendor fab & deliver full size sample *ECP6*	02NOV04	30	15DEC04	606		0.00	79,181.00	0.00						
1202-854	Instrument sample *ECP6*	16DEC04	11	04JAN05	606		0.00	5,902.80	0.00						
1202-857	Perform welds on sample *ECP6*	05JAN05	5	11JAN05	606		0.00	8,664.00	0.00						
1202-860	Measure Results *ECP6*	12JAN05	6	19JAN05	606		0.00	3,986.40	0.00						
1202-863	Report Results *ECP6*	20JAN05	5	26JAN05	606		0.00	3,986.40	0.00						
Job: 1250 - Vacuum Vessel Fabrication-VIOLA															
121-031	VVSA Title III engr	21MAY04A	639'	22NOV06	736	LOE	34,631.81	240,498.70	6.02						
121-038	FABRICATE VVSA	01OCT04*	290'	18NOV05	296		0.00	4,682,784.48	0.00						
121-038P	FAB VVSA NB ports**reduced 3 to 1	01OCT04*	242	13SEP05	1,041		0.00	64,600.00	0.00						
121-038.1	Vacuum Vessel Delivered		0	18NOV05	296		0.00	0.00	0.00						
13 - Conventional Coils															
Job: 1301 - TF Design-KALISH															
FY03 Actual Cost															
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	64'	30SEP03A		100	0.00	0.00	0.00						
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	64'	30SEP03A		100	91,660.00	91,660.00	0.00						
1402-004	Subcontract analysis upport for PDR	01OCT03A	41'	26NOV03A		100	5,096.00	5,096.00	0.00						
1402-005	VV/MCC PDR support	01OCT03A	37'	31OCT03A		100	4,178.20	4,178.20	0.00						
1301-100	Prepare Scope Sheet to define interfaces	03NOV03A	248'	29OCT04	1,238	65	1,256.43	1,932.97	-512.86						
1301-105	Prepare Interface Dwgs for ICD's	01DEC03A	230'	29OCT04	1,238	65	1,885.00	2,900.00	-750.22						
1301-140	Complete Draft SOW	02JAN04A	10	15JAN04A		100	4,821.00	4,821.00	0.00						
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	16JAN04A	2	19JAN04A		100	1,285.60	1,285.60	0.00						
1301-150	Vendor Responses	02FEB04A	102'	30APR04A		100	7,231.50	7,231.50	0.00						
1301-155	Trim Coil Layouts	01OCT03A	59'	23DEC03A		100	55,762.90	55,762.90	0.00						
1301-160	Trim Coil Leads	01DEC03A	140'	30JAN04A		100	7,070.80	7,070.80	0.00						
1301-165	PF1-PF3 Support System Layouts	01DEC03A	15	30JAN04A		100	21,373.10	21,373.10	0.00						
1301-300	Investigate Experimental Data *ECP6*	12APR04A	5	16APR04A		100	642.80	642.80	0.00						
1301-303	Prepare Test Reqmnts *ECP6*	19APR04A	61'	30JUN04A		100	803.50	803.50	0.00						
1301-318	Evaluate 3D glass *ECP6*	05APR04A	5	09APR04A		100	642.80	642.80	0.00						
1301-170	New Lead Details	01DEC03A	10	23DEC03A		100	14,141.60	14,141.60	0.00						
1301-175.1	Evaluate Design as Cost Savings	01AUG04A	3	31AUG04A		100	0.00	0.00	0.00						

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

NCSX
 CD-3 Baseline ECP14
 Status thru 9/30/04

Sheet 5 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	Fiscal Year					
										FY04	FY05	FY06	FY07	FY08	FY09
1301-175.2	Revised Design Stress Analysis	02AUG04A	5	31AUG04A		100	3,822.00	3,822.00	0.00						
1301-175.3	Layout New Wedge Concept	02AUG04A	5	31AUG04A		100	5,142.40	5,142.40	0.00						
1301-175.4	Develop Comparison	02AUG04A	4	31AUG04A		100	0.00	0.00	0.00						
1301-175.5	Cost Estimate for Wedge Concept	02AUG04A	43	30SEP04A		100	0.00	0.00	0.00						
1301-175.6	Review Revised TF Concept	01SEP04A	1	30SEP04A		100	0.00	0.00	0.00						
1301-175.7	Complete PDR Drawings	01SEP04A	53	15NOV04	161	25	3,268.34	13,073.36	-4,575.68						
1301-175.8	Rerun Analysis	01SEP04A	30	13OCT04	184	40	2,548.00	6,370.00	-1,274.00						
1301-180	Update ANSYS model & structure	03NOV03A	142	27FEB04A		100	8,294.62	8,294.62	0.00						
1301-185	FEA Analysis Coils, Stress deflection	01DEC03A	123	28MAY04A		100	12,272.40	12,272.40	0.00						
1301-195	Seismic Analysis	26NOV03A	104	30APR04A		100	12,272.40	12,272.40	0.00						
1301-190	FEA Analysis PF Supports, Stress Deflection	01MAR04A	108	30JUN04A		100	9,817.92	9,817.92	0.00						
1301R-00	Oversight, supervision, job management	02JUL04A	95	15NOV04	1,251	LOE	36,566.68	55,153.37	-4,960.56						
1301R-03	ReEvaluate Analysis, Dahlgren	02JUL04A	15	22JUL04A		100	19,284.00	19,284.00	0.00						
1301R-04	Is Insulation Scheme Acceptable ?	23JUL04A	1	23JUL04A		100	0.00	0.00	0.00						
1301R-05	Change Insulation Scheme	26JUL04A	1	26JUL04A		100	1,285.60	1,285.60	0.00						
1301R-06	Prepare Test Spec	27JUL04A	3	29JUL04A		100	0.00	0.00	0.00						
1301R-17	Insulation Voltage Standoff Evaluation	29JUL04A	2	30JUL04A		100	0.00	0.00	0.00						
1301R-22	Hydraulic Analysis	21JUN04A	10	02JUL04A		100	12,856.00	12,856.00	0.00						
1301R-24	Launching Load Evaluation	06JUL04A	15	23JUL04A		100	0.00	0.00	0.00						
1301R-28	TF Deflection vs Island Study	05JUL04A	10	16JUL04A		100	0.00	0.00	0.00						
1301R-29	Review SRD	30JUN04A	87	01NOV04	1,261		0.00	0.00	0.00						
1301R-19	Add New Pusher Support Structure	01AUG04A	2	31AUG04A		100	0.00	0.00	0.00						
1301R-23	Document and Summarize Analysis	01NOV04*	5	05NOV04	167		0.00	5,191.20	0.00						
1301R-25	Final Determination of Launching Loads	01AUG04A	1	31AUG04A		100	1,274.00	1,274.00	0.00						
1301R-26	Final Launch Load Analysis	02AUG04A	3	31AUG04A		100	3,822.00	3,822.00	0.00						
1301R-27	Obtain Stresses from Deflection Analysis	01AUG04A	2	31AUG04A		100	2,548.00	2,548.00	0.00						
1301R-32	Prepare ICDS	01OCT04	22	01NOV04	171		0.00	0.00	0.00						
1301R-33	Prepare PDR Material	08NOV04*	5	12NOV04	167		0.00	2,548.00	0.00						
1301R-20	TF PDR		0	15NOV04*	166		0.00	0.00	0.00						
1301R-07	Procure Test Services	01SEP04A	42	29OCT04	167		1,303.60	2,607.20	-1,303.60						
1301R-08	Test Materials at CTD	01NOV04	30	14DEC04	182		0.00	0.00	0.00						
1301R-09	Order Sample Materials	01NOV04	15	19NOV04	167		0.00	0.00	0.00						
1301R-10	Check or Re-Run Analysis with new data	15DEC04	10	29DEC04	182		0.00	13,216.00	0.00						
1301R-11	Design Test Fixtures	22NOV04	5	30NOV04	172		0.00	6,608.00	0.00						
1301R-12	Build Test Fixture	01DEC04	5	07DEC04	172		0.00	6,608.00	0.00						

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409





NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 6 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09	
145-037	PF 6 Procurement [A/1]	19SEP06	155	03MAY07	131		0.00	216,157.66	0.00							
141-037	PF OH Solenoid Procurement PF1 [A/1]	19SEP06*	205	16JUL07	127		0.00	175,679.33	0.00							
141B-037	PF OH Solenoid Procurement PF2 [A/1]	19SEP06*	205	16JUL07	127		0.00	140,008.14	0.00							
142-037	PF OH Solenoid Procurement PF3 [A/1]	19SEP06*	205	16JUL07	127		0.00	148,739.20	0.00							
141-031	Title III engr WBS 132	17JUL06*	268	09AUG07	547		0.00	146,202.43	0.00							
Job: 1353 - CS Support Struct Fabrication-KALISH																
CS Support Structure																
163-035	Bid & Award CS Support Struct	05MAY06	45	10JUL06	132		0.00	0.00	0.00							
163-036.9	Award CS Support Structure		0	10JUL06*	132		0.00	0.00	0.00							
163-037	CS Support Structure Procurement/Fab	11JUL06*	249	09JUL07	132		0.00	197,767.54	0.00							
163-015	Title III design CS sprt struc	05MAY06	294	09JUL07	570		0.00	58,372.06	0.00							
Job: 1354 - Trim Coil and I&C Fabr-KALISH																
Trim Coils																
184-035	Bid & Award Ext Trim Coils	19JUN06	45	21AUG06	129		0.00	0.00	0.00							
184-036	Award External Trim Coils		0	21AUG06*	129		0.00	0.00	0.00							
184-037	External Trim Coil Procurement/Fab	22AUG06	87	02JAN07	129		0.00	281,732.73	0.00							
184-015	Title III WBS 133 Rxt Trim Coils	19JUN06	147	23JAN07	687		0.00	59,432.33	0.00							
TF/PF Loacl I&C																
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07	626		0.00	3,857.28	0.00							
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07	193		0.00	69,497.70	0.00							
14 - Modular Coils																
Job: 1401 - Mod Coil Prel.Dsn-WILLIAMSON																
FY03 Actual Cost																
1401-002	Apr-Sept MIE Cost ORNL	01APR03A	64	30SEP03A		100	303,040.00	303,040.00	0.00							
1401-003	Apr-Sept MIE Cost PPPL	01APR03A	64	30SEP03A		100	0.00	0.00	0.00							
Job: 1402 - Mod.Coil Analyses-WILLIAMSON																
FY03 Actual Cost																
1402-002	Apr-Sept MIE Cost ORNL	01APR03A	64	30SEP03A		100	84,220.00	84,220.00	0.00							
1402-003	Apr-Sept MIE Cost PPPL	01APR03A	64	30SEP03A		100	154,920.00	154,920.00	0.00							
Job: 1403 - WBS 14 Final Design-WILLIAMSON																
PDR/PBR Prep																
1403-04	Plan response to PDR chits	01OCT03A	23	31OCT03A		100	2,573.80	2,573.80	0.00							
1403-05	Prepare FY04 WP / WAF / Checklists	08OCT03A	21	14OCT03A		100	2,573.80	2,573.80	0.00							
1403-06	Prepare documents for PDR closeout	15OCT03A	52	24DEC03A		100	10,295.20	10,295.20	0.00							
1403-07	Prepare PBR documentation	31OCT03A	19	18NOV03A		100	2,573.80	2,573.80	0.00							
1403-08	Performance Baseline Review		0	18NOV03A		100	0.00	0.00	0.00							
Requirements/Config and Interfaces																
1403-10	Review, revise, and approve SRD	15OCT03A	160	28MAY04A		100	2,573.80	2,573.80	0.00							

Run Date 12OCT04 15:20

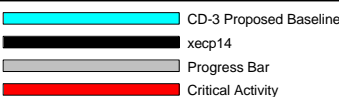
 CD-3 Proposed Baseline
 xcep14
 Progress Bar
 Critical Activity

0409 **NCSX** Sheet 8 of 50
CD-3 Baseline ECP14
Status thru 9/30/04

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04						FY05						FY06						FY07						FY08						FY09					
										FY04						FY05						FY06						FY07						FY08						FY09					
1403-13	Finalize winding pack ref xsec, conductor dims	15OCT03A	45'	26NOV03A		100	2,573.80	2,573.80	0.00																																				
1403-14	Revise winding form and windings/asm models	15OCT03A	75'	30JAN04A		100	41,309.49	41,309.49	0.00																																				
Analysis - Thermal & Electrical																																													
1403-21	Document electrical, insulation parameters	15OCT03A	56'	19DEC03A		100	2,573.80	2,573.80	0.00																																				
1403-22	Update thermal analysis to current WP design	22OCT03A	51'	19DEC03A		100	5,147.60	5,147.60	0.00																																				
1403-23	Update thermo-hydraulic analysis of coils	01DEC03A	127'	18MAY04A		100	6,428.00	6,428.00	0.00							Dahlgren=40																													
1403-25	Check EM loads calculation for ref scenarios	02FEB04A	85'	18MAY04A		100	5,147.60	5,147.60	0.00							Stricker=40																													
1403-26	Perform scan of EM fault load conditions	01DEC03A	127'	18MAY04A		100	10,295.20	10,295.20	0.00							Stricker=80																													
1403-26.1	Check thermal & electrical calculations	02FEB04A	85'	18MAY04A		100	10,295.20	10,295.20	0.00							Williamson=80																													
Analysis - Structural																																													
141TITL2P	PDR #1,4,26 Access,Tolerance Budget,Bolting	01MAR04A	65'	18MAY04A		100	26,896.21	26,896.21	0.00							omlem=209																													
1403-29	Complete ANSYS model of coil structure asm	15OCT03A	160'	18MAY04A		100	160,700.00	160,700.00	0.00							Fan=30+920																													
1403-30	Analyze global stress /deflect winding form asm	31OCT03A	148'	18MAY04A		100	16,070.00	16,070.00	0.00							Fan=40+60																													
1403-31	Analyze stress in bolted connections	01MAR04A	65'	18MAY04A		100	6,428.00	6,428.00	0.00							Fan=40																													
1403-32	Update MECHANICA model of 3 coil types	15OCT03A	160'	18MAY04A		100	10,295.20	10,295.20	0.00							Freudenberg=80																													
1403-33	Anlyz wind pack deflect/stress fo thrml, EM lds	01MAR04A	65'	18MAY04A		100	5,147.60	5,147.60	0.00							Freudenberg=40																													
1403-34	Analyze and optimize clamp locations	01MAR04A	55'	30APR04A		100	5,147.60	5,147.60	0.00							Freudenberg=40																													
1403-35	Perform supporting analysis for material tests	15OCT03A	150'	30APR04A		100	16,727.62	16,727.62	0.00							Myatt=105																													
1403-36	Update EM loads for reference scenarios	01MAR04A	55'	30APR04A		100	10,357.62	10,357.62	0.00							Myatt=65																													
1403-37	Perform check og global structural analysis	01MAR04A	65'	18MAY04A		100	16,727.62	16,727.62	0.00							Myatt=105																													
1403-38	Check nonlinear winding pack analysis	01MAR04A	65'	18MAY04A		100	10,357.62	10,357.62	0.00							Myatt=65																													
1403-39	Analyze gravity, equip, seismic loading	01MAR04A	65'	18MAY04A		100	6,428.00	6,428.00	0.00							Fan=40																													
1403-40	Analyze combined loads and fault conditions	01MAR04A	65'	18MAY04A		100	6,428.00	6,428.00	0.00							Fan=40																													
1403-40.1	Check Structural Calculations	02FEB04A	107'	18MAY04A		100	9,265.68	9,265.68	0.00							Williamson=72																													
1403-40.1A	Prepare plate element model of coil structure	01MAR04A	65'	18MAY04A		100	9,265.68	9,265.68	0.00							Williamson=+72																													
1403-40.1B	Confirm global deflection/stress, re-inf of shel	02FEB04A	85'	18MAY04A		100	10,295.20	10,295.20	0.00							Williamson=+80																													
1403-40.1C	Check all struct calulkations	01MAR04A	65'	18MAY04A		100	9,265.68	9,265.68	0.00							Williamson=72																													
1403-40.2A	Develop multi-filament model of all coils	01MAR04A	65'	18MAY04A		100	3,088.56	3,088.56	0.00							ORNLEM=+24																													
1403-40.2B	Confirm Plasma performance & surface quality	26APR04A	25'	18MAY04A		100	3,856.80	3,856.80	0.00							Ku=+24																													
1403-40.2C	Model expected deflections under thermal/EM load	26APR04A	25'	18MAY04A		100	6,177.12	6,177.12	0.00							ORNLEM=+48																													
1403-40.2D	Confirm plasma performance & surface quality	26APR04A	25'	18MAY04A		100	7,713.60	7,713.60	0.00							Ku=+48																													
1403-41	Prepare structural analysis report	26APR04A	25'	18MAY04A		100	18,531.36	18,531.36	0.00							Williamson=144																													
Winding Form FDR Prep																																													
1403-03	Increase for actual cost of Final Design ECP 11	15OCT03A	118'	30JUN04A		100	358,000.00	358,000.00	0.00																																				
1403-43	Incorporate changes due to prototype fabr	01MAR04A	22'	31MAR04A		100	10,423.89	10,423.89	0.00							Williamson,Lovett,Hargrove=80																													
1403-47	Prepare failure modes assessment (FMECA)	26APR04A	68'	19MAY04A		100	4,504.15	4,504.15	0.00							Williamson=36																													

Run Date 12OCT04 15:20



0409 NCSX Sheet 9 of 50

CD-3 Baseline ECP14 Status thru 9/30/04

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04 FY05 FY06 FY07 FY08 FY09										
										Gantt Chart										
1403-50	Prepare FDR documentation / presentations	01MAY04A	9	18MAY04A		100	10,295.20	10,295.20	0.00	Williamson=80										
1403-50.2	Prepare Prelim Bid Package	23APR04A	0	23APR04A		100	0.00	0.00	0.00											
1403-50.5	Prelim Bid Package Released		0	23APR04A		100	0.00	0.00	0.00											
1403-51	MCWF FDR		0	19MAY04A		100	0.00	0.00	0.00											
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness		0	16SEP04A		100	0.00	0.00	0.00	***** CD-3 Readiness: complete preparations for CD-3 determination. 4th QUARTER FY04 (September 2004) (FDR's for WBS 12, 1& 14 Completed) *****										
MCWF Procurement																				
1403-53	Resolve FDR comments and recommendations	01JUN04A	86	30SEP04A		100	15,442.80	15,442.80	0.00	Williamson=120										
1403-54	Final bid package(specs,models,dwgs)	09JUN04A	17	30JUN04A		100	8,109.32	8,109.32	0.00	Williamson,reed,keilbach,heizenroder,fan=52 tot										
1010	Prep & Issue RFP	01JUL04A	1	01JUL04A		100	0.00	0.00	0.00											
1020	EIO & JPP Prepare and submit FPP proposal	02AUG04A	0	02AUG04A		100	0.00	0.00	0.00											
1030.1	Review & Evaluate Proposals	03AUG04A	5	13AUG04A		100	22,208.40	22,208.40	0.00	fan,heizen,nelson,williamson,keilback=150 total										
1030.2	Vendor Oral Presentations	16AUG04A	3	20AUG04A		100	0.00	0.00	0.00											
1030.3	Best & Final Offers	23AUG04A	2	27AUG04A		100	0.00	0.00	0.00											
1030.4	Evaluate & Make Recommendation	30AUG04A	5	30AUG04A		100	0.00	0.00	0.00											
1040	Vendor Decision		0	31AUG04A		100	0.00	0.00	0.00											
1030.5	Prepare Contract Package	01SEP04A	0	03SEP04A		100	0.00	0.00	0.00											
1050	DOE review and PPPL Award Contract	01SEP04A	0	30SEP04A		100	0.00	0.00	0.00											
C-081	Award MCWF Mfg Contract (phase funded)		0	30SEP04A		100	0.00	0.00	0.00	***** JOULE MILESTONE Q1 12/31/04 *****										
Winding and Assembly Design																				
1403-48	Update design basis document	26APR04A	47	30JUN04A		100	15,442.80	15,442.80	0.00	Williamson=120										
1403-11	Prepare assembly / interface drawings for ICDs	15OCT03A	268	01NOV04	201	90	9,337.66	10,375.18	-185.82	Hargrove,Lovett=80										
1403-12	Finalize and approve all ICDs	01MAR04A	173	01NOV04	201	90	4,688.60	5,209.56	141.53	Williamson=40										
1403-15	Prepare winding form asm / detail drawings	03NOV03A	265	15NOV04	191	90	62,086.71	68,985.23	1,431.78	Lovett,Hargrove=320 ecp6 add'l port config= +210hr										
1403-16	Assembly bolts, nuts,washers	01OCT04*	29	10NOV04	194		0.00	9,425.40	0.00	brown=40;williamson=20										
1403-17	Assembly shims	01SEP04A	50	10NOV04	194	20	3,699.00	18,494.98	3,699.00	brown=80;williamson=40										
1403-18	Eccentric ball assembly	01OCT04*	29	10NOV04	194		0.00	18,850.80	0.00	brown=80;cole=40										
1403-19	Top assembly dwgs for mod coil shell	01SEP04A	50	10NOV04	194	10	2,121.01	21,210.07	2,121.01	brown=80;cole=40;williamson=20										
MCWF & Winding Analysis/Testing																				
1403-27	Prepare thermal, electrical analysis report	02FEB04A	128	30JUL04A		100	20,590.40	20,590.40	0.00	Williamson=160										
1403-40.2X	Multifilament check of un/deformed coil	01AUG04A	84	30NOV04	182	10	1,077.08	10,770.80	-9,693.72	strickler=40;williamson=40										
1403-40.3X	Modify MCWF Contract Documents & drawings	01AUG04A	43	30SEP04A		100	20,590.40	20,590.40	20,590.40	williamson=160										

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 10 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04									FY05									FY06									FY07									FY08									FY09									
1403-42	Complete FDR Struct Analysis Report	01JUN04A	108'	30SEP04A		100	30,859.60	30,859.60	6,286.21	fan=160;nelson=20;williamson=20																																																						
1403-42A	Det WP beam loads worst case linear analysis	01JUN04A	108'	01NOV04	201	25	3,185.00	12,740.00	-6,959.81	myatt=80hrs(\$10k)																																																						
1403-42B	Modify ORNL beam test setup provide torsional ld	01JUN04A	108'	30SEP04A		100	5,147.60	5,147.60	1,048.59	nelson=40																																																						
1403-42C	Revise analysis incorp final modeling changes	15JUL04A	77'	30SEP04A		100	34,552.80	34,552.80	4,663.56	myatt=120hrs (\$15k); freudenberg=120																																																						
1403-42E	Complete checking struct calculations	01AUG04A	65'	30SEP04A		100	17,945.60	17,945.60	6,073.89	brooks,williamson & myatt=40 each																																																						
1403-44	Prepare final drawings for winding forms, asm	01MAR04A	75'	30JUN04A		100	82,232.91	82,232.91	0.00	jones,Lovett,Hargrove=640																																																						
1403-45	Check and promote models / drawings	01MAR04A	97'	15JUL04A		100	120,704.72	120,704.72	0.00	etc- emiller,williamson,cole,lovett,brown=640 + 288 ecp6																																																						
1403-46	Update build-to specification / SOW	01MAR04A	75'	30JUN04A		100	15,442.80	15,442.80	0.00	williamson=120																																																						
1403-49.1	Process ECP for all changes	01OCT04	10	14OCT04	213		0.00	5,634.80	-5,634.80	williamson=40																																																						
1403-47A	Update,review & approve FMECA	01JUN04A	102'	22OCT04	207	30	3,134.42	10,448.05	-7,313.63	williamson=80																																																						
1403-27A	Update winding pack thermal/hydraulic analysis	01JUN04A	97'	30SEP04A		100	20,590.40	20,590.40	0.00	williamson=160																																																						
1403-70	Complete non-linear model revisions	30SEP04A	31	29OCT04A			0.00	0.00	0.00																																																							
1403-47B	det boundary conditions single nonlinear windng	01AUG04A	65'	01NOV04	201	80	5,096.00	6,370.00	-1,274.00	myatt=40hrs (\$5k)																																																						
1403-40.2Z	Update nonlinear winding pack analysis	01JUN04A	97'	15OCT04	212	80	51,297.29	64,121.62	-5,552.81	freudenberg=400;williamson=40 nelson=4Myatt=40 (\$5k)																																																						
1403-73	Prep struct analysis report	01OCT04	31	12NOV04	1,252		0.00	0.00	0.00																																																							
1403-74	check analysis using simplified models	01OCT04	31	12NOV04	1,252		0.00	0.00	0.00																																																							
1403-75	multifilament coils file incl leads	01OCT04	31	12NOV04	1,252		0.00	0.00	0.00																																																							
1403-42H	Analyze EM loads,deflection,stress in leads	01OCT04*	32	15NOV04	191		0.00	35,279.20	-35,279.20	williamson=80;myatt,freudenberg=80																																																						
1403-76	Structural analysis of leads	01OCT04	31	12NOV04	1,252		0.00	0.00	0.00																																																							
1403-47C	Backup analysis/check of leads	01NOV04*	20	30NOV04	182		0.00	1,982.40	-699.67	fan=12																																																						
1403-77	Single conductor torsion test & documentation	01OCT04	31	12NOV04	1,252		0.00	0.00	0.00																																																							
1403-78	Transverse compr modulus test & documentation	01OCT04	31	12NOV04	1,252		0.00	0.00	0.00																																																							
1403-79	Casting matl dogbones test & documentation	01OCT04	31	12NOV04	1,252		0.00	0.00	0.00																																																							
1403-80	Four turn racetrack fatigue test & documentation	01OCT04	31	12NOV04	1,252		0.00	0.00	0.00																																																							
1403-42G	WP beam FEA modeling	01OCT04*	21'	29OCT04	182		0.00	21,927.40	-21,282.48	nelson=20;myatt=120																																																						
1403-42F	Perform WP beam tests at ORNL	01OCT04*	21'	29OCT04	202		0.00	25,356.60	-24,610.82	nelson=20 battiste=120, williamson=40																																																						
1403-42F.1	Perform WP beam tests documentation	01OCT04*	21'	29OCT04	1,262		0.00	0.00	0.00																																																							
1403-42D.0	Determine Fatigue properties	01JUN04A	108'	01NOV04	1,261	70	0.00	0.00	0.00																																																							
1403-42D	Fracture fatigue analysis for MCWF	01JUN04A	108'	01NOV04	201	80	23,071.20	28,839.00	-5,767.80	titus=60 (\$7.5k), Jun=120																																																						
Winding and Assembly Design-Type C																																																																
1403-202	G-10 Filler Dwgs (24)-Type C ??????????????	01JAN04A	227'	19NOV04	187	50	23,185.34	46,370.68	-18,395.88	fogarty=160;williamson=120;ornlem=75																																																						
1403-205	Installation Dwgs (1)-Type C ??????????????????	01DEC04*	31'	14JAN05	151		0.00	6,761.76	0.00	Lovett= 40 ;williamson= 8																																																						
1403-219	MCWF studs,modifications-Type C	18OCT04*	5'	22OCT04	207		0.00	0.00	0.00																																																							
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	11FEB05*	0'	10FEB05	191		0.00	0.00	0.00	williamson=20																																																						

Run Date 12OCT04 15:20

■ CD-3 Proposed Baseline
■ xecp14
■ Progress Bar
■ Critical Activity

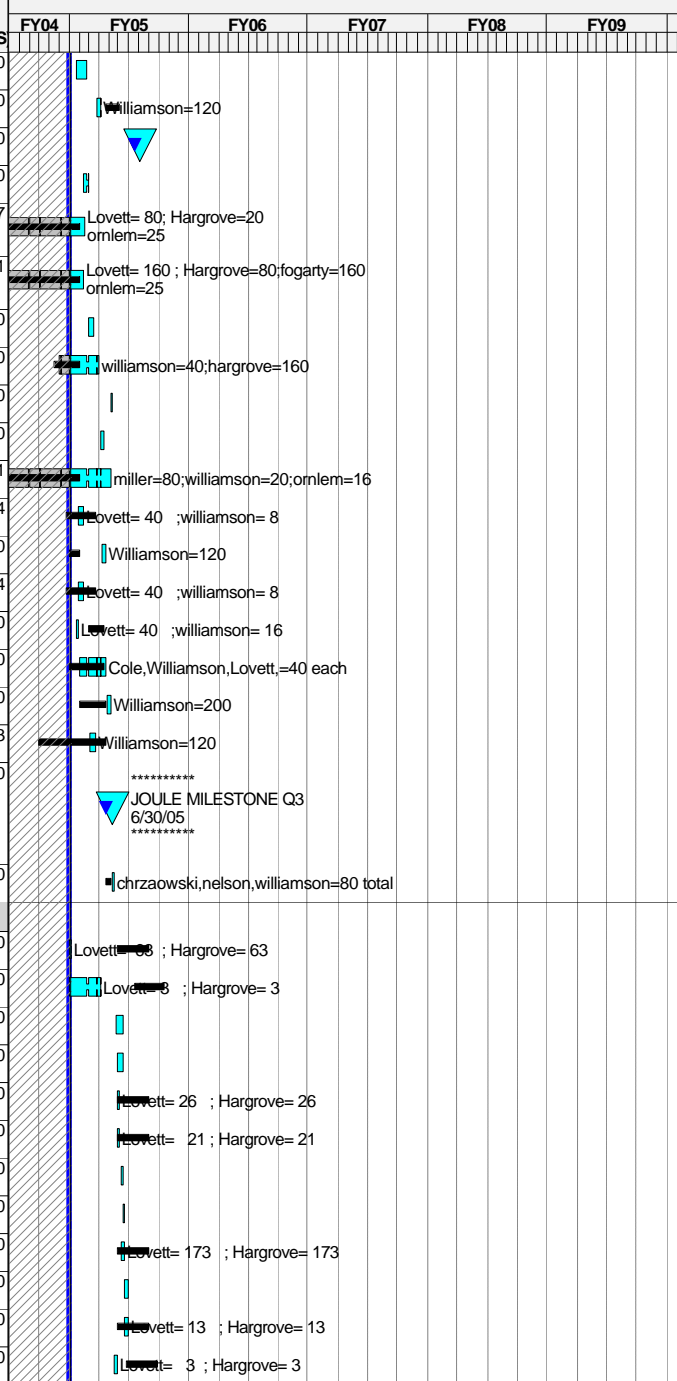
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NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 11 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	Gantt Chart								
										FY04	FY05	FY06	FY07	FY08	FY09			
1403-220	Cladding assembly-Type C	25OCT04*	23'	24NOV04	184		0.00	0.00	0.00									
1403-59	Update build-to specifications	27DEC04*	6'	04JAN05	219		0.00	16,904.40	0.00									
1403-20.1	Mod Coil Type C Fab Preparedness Review		0	04MAY05*	133		0.00	0.00	0.00									
1403-221	Lead ends & closure-Type C	15NOV04*	10'	30NOV04	182		0.00	0.00	0.00									
1403-200	Winding & Insulation Dwgs (8)-Type C	01JAN04A	227'	19NOV04	187	35	5,714.70	16,327.70	-8,926.57									
1403-201	Leads & crossover Dwgs (10)-Type C	01JAN04A	222'	12NOV04	192	35	19,395.64	55,416.09	-30,296.71									
1403-222	Terminal assembly-Type C	01DEC04*	10'	14DEC04	172		0.00	0.00	0.00									
1403-204	Chill Plate Dwgs (66)-Type C	01SEP04A	83'	30DEC04	161	20	5,511.54	27,557.66	-10,607.10									
1403-223	Top level coil assembly-Type C	03FEB05*	6'	10FEB05	132		0.00	0.00	0.00									
1403-224	VPI mold assembly0-Type C	04JAN05*	9'	14JAN05	151		0.00	0.00	0.00									
1403-203	Clamp Dwgs (5)-Type C	01JAN04A	277'	03FEB05	137	30	4,610.01	15,366.69	-9,169.51									
1403-206	Cooling, Electr Schematic Dwgs (1)- Type C	28OCT04*	10'	10NOV04	194		0.00	6,761.76	-936.24									
1403-49	Update cost / schedule estimates	11JAN05*	6'	18JAN05	149		0.00	16,904.40	0.00									
1403-207	Electrical Schematic Dwgs (1)-Type C	28OCT04*	10'	10NOV04	194		0.00	6,761.76	-936.24									
1403-208	I&C Dwgs (1) -Type C	25OCT04*	5'	29OCT04	202		0.00	7,888.72	0.00									
1403-58C	Check and promote models / drawings -Type C	05NOV04*	52'	21JAN05	146		0.00	16,904.40	0.00									
1403-62	Prepare FDR documentation / presentations	28JAN05*	5'	03FEB05	137		0.00	28,174.00	0.00									
1403-60	Update design basis document	06DEC04*	10'	17DEC04	169		0.00	16,904.40	-7,727.73									
1403-20	Mod Coil Type C FDR		0	10FEB05*	132		0.00	0.00	0.00									
1403-20.2	Resolve FDR chits	11FEB05*	5	17FEB05	1,187		0.00	11,761.31	0.00									
Winding and Assembly Design-Type B																		
1403-402	G-10 Filler Dwgs (24)-Type B????????????????	01OCT04	5	07OCT04	377		0.00	17,749.62	0.00									
1403-405	Installation Dwgs (1)-Type B????????????????	01OCT04	65	05JAN05	317		0.00	845.22	0.00									
1403-419	MCWF studs,modifications-Type B	21FEB05*	15'	11MAR05	270		0.00	0.00	0.00									
1403-420	Cladding assembly-Type B	28FEB05*	10'	11MAR05	270		0.00	0.00	0.00									
1403-401	Leads & crossover Dwgs (10)-Type B	28FEB05*	5'	04MAR05	275		0.00	7,325.24	0.00									
1403-400	Winding & Insulation Dwgs (8)-Type B	28FEB05*	5'	04MAR05	275		0.00	5,916.54	0.00									
1403-421	Lead ends & closure-Type B	07MAR05*	5'	11MAR05	270		0.00	0.00	0.00									
1403-422	Terminal assembly-Type B	14MAR05*	5'	18MAR05	265		0.00	0.00	0.00									
1403-404	Chill Plate Dwgs (66)-TypeB	07MAR05*	10'	18MAR05	265		0.00	48,741.02	0.00									
1403-424	VPI mold assembly0-Type B	21MAR05*	6'	28MAR05	259		0.00	0.00	0.00									
1403-403	Clamp Dwgs (5)-Type B	21MAR05*	6'	28MAR05	259		0.00	3,662.62	0.00									
1403-406	Cooling, Electr Schematic Dwgs (1)-Type B	18FEB05*	5'	24FEB05	281		0.00	845.22	0.00									



Run Date 12OCT04 15:20

■ CD-3 Proposed Baseline
■ xecp14
■ Progress Bar
■ Critical Activity

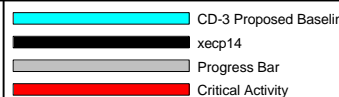
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NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 12 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04												
										FY04	FY05	FY06	FY07	FY08	FY09							
1403-407	Electrical Schematic Dwgs (1)-Type B	18FEB05*	5'	24FEB05	281		0.00	845.22	0.00													
1403-408	I&C Dwgs (1) -Type B	28FEB05*	5'	04MAR05	275		0.00	845.22	0.00													
1403-423	Top level coil assembly-Type B	29MAR05*	5'	04APR05	254		0.00	0.00	0.00													
1403-58B	Check and promote models / drawings -Type B	05APR05*	5'	11APR05	249		0.00	19,017.45	0.00													
1403-72	Final Design Review Production Type B		0	04MAY05*	232		0.00	0.00	0.00													
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	04MAY05*	3'	06MAY05	280		0.00	2,817.40	0.00													
1403-72.1	Fab Readiness Review - Production Type B		0	06MAY05*	280		0.00	0.00	0.00													
Winding and Assembly Design-Type A																						
1403-302	G-10 Filler Dwgs (24)-Type A????????????????	01OCT04	5'	07OCT04	506		0.00	17,749.62	0.00													
1403-305	Installation Dwgs (1)-Type A ??????????????	01OCT04	65'	05JAN05	446		0.00	845.22	0.00													
1403-319	MCWF studs,modifications-Type A	18MAY05*	5'	24MAY05	347		0.00	0.00	0.00													
1403-320	Cladding assembly-Type A	25MAY05*	10'	08JUN05	337		0.00	0.00	0.00													
1403-301	Leads & crossover Dwgs (10)-Type A	25MAY05*	5'	01JUN05	342		0.00	7,325.24	0.00													
1403-300	Winding & Insulation Dwgs (8)-Type A	25MAY05*	5'	01JUN05	342		0.00	5,916.54	0.00													
1403-321	Lead ends & closure-Type A	02JUN05*	5'	08JUN05	337		0.00	0.00	0.00													
1403-322	Terminal assembly-Type A	09JUN05*	5'	15JUN05	332		0.00	0.00	0.00													
1403-304	Chill Plate Dwgs (66)-Type A	02JUN05*	10'	15JUN05	332		0.00	48,741.02	0.00													
1403-324	VPI mold assembly0-Type A	16JUN05*	5'	22JUN05	327		0.00	0.00	0.00													
1403-303	Clamp Dwgs (5)-Type A	16JUN05*	5'	22JUN05	327		0.00	3,662.62	0.00													
1403-306	Cooling, Electr Schematic Dwgs (1)-Type A	16MAY05*	5'	20MAY05	349		0.00	845.22	0.00													
1403-308	I&C Dwgs (1) -Type A	25MAY05*	5'	01JUN05	342		0.00	845.22	0.00													
1403-323	Top level coil assembly-Type A	23JUN05*	5'	29JUN05	322		0.00	0.00	0.00													
1403-58A	Check and promote models / drawings -Type A	06JUL05*	5'	12JUL05	314		0.00	19,017.45	0.00													
1403-71	FDR Production Type A Mod Coil Winding		0	10AUG05*	293		0.00	0.00	0.00													
1403-71.05	Update MIT/QA Plans for Type C Winding Fab	10AUG05*	3'	12AUG05	341		0.00	2,817.40	0.00													
1403-71.1	Fab Readiness Review - Production Type A		0	12AUG05*	341		0.00	0.00	0.00													
Twisted Racetrack Design (Williamson)																						
1406-097	Verify Conductor Dims	01OCT03A	3'	03OCT03A		100	2,573.80	2,573.80	0.00													
1406-098	Complete Drawings of Casting	13OCT03A	21'	26NOV03A		100	15,442.80	15,442.80	0.00													
1406-099	Review/Approve Casting Drawings	26NOV03A	10'	26NOV03A		100	15,442.80	15,442.80	0.00													
1406-105	Prepare ANSYS thermal analysis model	31OCT03A	3'	31OCT03A		100	2,573.80	2,573.80	0.00													
1406-106	Analyze Thermal Behavior due to pulse	31OCT03A	3'	31OCT03A		100	2,573.80	2,573.80	0.00													
1406-107	Calculate EM Loads due to max current	03NOV03A	3'	26NOV03A		100	5,147.60	5,147.60	0.00													
1406-108	Prep MECHANICA Struct Analysis Model	03NOV03A	3'	26NOV03A		100	5,147.60	5,147.60	0.00													
1406-101.1	Winding block dwgs for prototype leads?????????	01JUN04A	87'	30SEP04A		100	20,590.40	20,590.40	0.00													
1406-150	Winding pack assy	04OCT04*	1'	04OCT04	1,257		0.00	0.00	0.00													

Run Date	12OCT04 15:20		0409	NCSX CD-3 Baseline ECP14 Status thru 9/30/04	Sheet 13 of 50	FY04 Closeout
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Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
1404-107	EIO-Suspend Prototype work ECP 11		0	06AUG04A		100	0.00	0.00	0.00						
3010	Vendor #1 Contract Amended	09AUG04A	0'	13AUG04A		100	0.00	0.00	0.00						
PPC-1	Engr & Flow Solidification	01SEP04A	32'	15OCT04	136		14,149.92	21,570.00	14,149.92						
PPC-2	Lawton mold Assy	22SEP04A	48'	30NOV04	106		45,526.00	227,630.00	45,526.00						
PPC-3	Materials	01OCT04*	21'	29OCT04	126		0.00	39,150.00	0.00						
PPC-4	Build Pattern & Pour Casting	01DEC04*	21'	31DEC04	106		0.00	16,610.00	0.00						
PPC-5	Clean/Inspect Casting	04JAN05*	4'	07JAN05	106		0.00	0.00	0.00						
PPC-6	Oversight/Reporting	04AUG04A	103'	31DEC04	1,228		10,761.92	27,040.00	10,761.92						
JP Pattern Subcontract (S04340F)															
1404-200	JPP- cost FY03	01MAY03A	10'	30SEP03A		100	92,170.40	92,170.40	0.00						
1404-205	JPP-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10'	30JUN04A		100	417,120.34	417,120.34	0.00						
1404-206	JPP- July forecast ECP 11	01JUL04A	0'	31AUG04A		100	143,372.50	143,372.50	0.00						
3110	Vendor #2 Contract Amended***ON HOLD***	30SEP04A	2'	30SEP04A		C	20,000.00	20,000.00	0.00						
MCWF Fracture Analysis															
1404-FR1	Rough machine specimens, Lot 1 (17 pcs.) at PPPL	15JUL04A	10'	29JUL04A			1,305.60	1,305.60	1,305.60						
1404-FR2	Machine Lot 1 specimens to ASTM spec (Crystal En	02AUG04A	10'	20AUG04A			1,082.90	1,082.90	1,082.90						
1404-FR3	Test Lot 1 specimens - 17 pcs. At \$260	20AUG04A	40'	15OCT04	213		4,098.40	5,652.96	4,098.40						
1404-FR4	Rough machine Lot 2 (11 specimens) at PPPL	16AUG04A	34'	01OCT04	193		820.99	845.51	820.99						
1404-FR5	Machine Lot 2 specimens to ASTM spec. (Crystal E	04OCT04*	10'	15OCT04	193		0.00	969.00	0.00						
1404-FR6	Test Lot 2 specimens @NHMFL 11 pcs.	18OCT04	20'	12NOV04	193		0.00	3,695.12	0.00						
1404-FR7	Engineering coordination	15JUL04A	76'	29OCT04	1,269		4,689.88	6,477.74	4,689.88						
Job: 1405-Mod Coil Winding R&D Prep-CHRZANOWSKI															
FY03 Actual Cost															
1405-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64'	30MAY03A			0.00	0.00	0.00						
1405-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64'	30MAY03A			168,070.00	168,070.00	0.00						
Job: 1406 - Mod. Coil Winding R&D-CHRZANOWSKI															
FY03 Actual Cost															
1406-0002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64'	30SEP03A		100	0.00	0.00	0.00						
1406-0003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64'	30SEP03A		100	831,120.00	831,120.00	0.00						
Oversight & Supervision															
1406-049	Increased cost of FDR support ECP 11	01OCT03A	20'	28MAY04A		100	292,000.00	292,000.00	0.00						
1406-000	Supervision & Oversight	01OCT03A	180'	28MAY04A		LOE	106,644.80	106,644.80	0.00						
1406-000.1	Supervision & Oversight	01JUN04A	86'	30SEP04A		LOE	114,912.00	114,912.00	0.00						
1406-000.2	Supervision & Oversight	01OCT04*	21'	29OCT04	1,238	LOE	0.00	38,833.20	0.00						
1406-048	Testing & Strain Gauge Design	01OCT03A	20'	31OCT03A		100	24,253.50	24,253.50	0.00						

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

NCSX
 CD-3 Baseline ECP14
 Status thru 9/30/04

Sheet 15 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
Keystone R&D															
1406-001	Purchase 10 spools conductor (twisted racetrack)	03NOV03A	40'	23DEC03A		100	7,644.00	7,644.00	0.00						
1406-003	Purchase 8 spools conductor (long twisted windin	03NOV03A	40'	23DEC03A		100	7,644.00	7,644.00	0.00						
1406-005	Purchase epoxy & Insulation	03NOV03A	163'	30JUN04A		100	5,516.42	5,516.42	0.00	41=\$5k					
1406-010	Keystone Test for New Conductor	02JAN04A	41'	27FEB04A		100	6,144.00	6,144.00	0.00						
1406-011	Purchase add'l copper Conductor	01MAR04A	45'	30APR04A		100	8,918.00	8,918.00	0.00	\$7k for copper					
Twisted Racetrack Hardware Fabrication (Chrzano															
1406-014	Bid, Evaluate and Award Casting to EIO or JPP	01DEC03A	28	23DEC03A		100	0.00	0.00	0.00						
1406-016.5	PPPL Fabricate TRC Cladding	01SEP04A	31'	14OCT04	142	75	2,355.03	3,140.04	-785.01	homer=24; 41=\$1k					
1406-016.8	order trc clamps	29JUN04A	1	29JUN04A		100	0.00	0.00	0.00						
1406-016.9	fab trc clamps	02AUG04A	37	31AUG04A		100	24,206.00	24,206.00	0.00	1=\$19k					
1406-016.A	fab trc lead components	01AUG04A	54	15OCT04	156	70	7,727.98	11,039.98	-3,061.09	homer=20,machnist=80;41=\$800					
1406-016.B	write procedures, doc mit/qa plan	09JUN04A	90'	14OCT04	142	70	0.00	0.00	0.00						
1406-016	Procure casting from EIO (new scope)	02FEB04A	150'	31AUG04A		100	127,387.26	127,387.26	0.00	41=\$ 60 + \$40k= \$100k k E4371					
Testing															
1406-029	Fab New Specimen Molds	01DEC03A	107'	30APR04A		100	22,992.00	22,992.00	0.00	Machinist=160; em/tb=80					
1406-029.1	Design samples	01MAR04A	15	31MAR04A		100	0.00	0.00	0.00						
1406-030	Fab & Pot samples	26JAN04A	108'	28MAY04A		100	31,334.40	31,334.40	0.00	em/tb= 480 etc => 320hrs					
1406-031	Prep fixtures and test equipt	03NOV03A	141	28MAY04A		100	69,234.00	69,234.00	0.00	Kozub=160; Jurzynski=160 Machinist=240; 41=\$ 1 k					
1406-032	Test samples	01MAR04A	65	28MAY04A		100	51,225.60	51,225.60	0.00	Kozub=240; Jurzynski=240					
1406-033	Prepare Test report	04JAN05*	13'	20JAN05	1,188		0.00	0.00	0.00						
1406-50	Fab Straight Tee Specimen	21JUN04A	14'	30JUN04A		100	17,203.20	17,203.20	0.00	keams=112; hause=112					
1406-51	VPI Tee specimen	12JUL04A	37'	31AUG04A		100	7,680.00	7,680.00	0.00	keams=50; hause=50					
1406-52	Ship Tee specimen to ORNL	31AUG04A	5	31AUG04A		100	637.00	637.00	0.00	41=0.5k					
1406-54	Complete shear modulus & cyclic testing	01JUN04A	125'	24NOV04	179	50	32,563.16	65,126.30	-32,563.14	jurzynski=288; kozub=208; 41=0.5k					
1406-55	Fab chill plate specimens	01JUN04A	24	30JUN04A		100	12,925.00	12,925.00	0.00	homer=60; 41=0.5k;anderson=50; terlitz=50					
1406-56	test chill plate specimens	01AUG04A	0'	31AUG04A		100	6,144.00	6,144.00	0.00	anderson=40; terlitz=40					
1406-57	fab cooling tube/chill plate assy	01AUG04A	5	31AUG04A		100	6,398.80	6,398.80	0.00	anderson=40;41=0.2k; terlitz=40					
1406-58	fab MC lead braze specimens	01AUG04A	5	07OCT04	213	90	2,773.05	3,081.17	-308.12	anderson=40					
"inchworm" Twisted Winding															
1406-119	Join straight sections w/2 end loops	01OCT03A	79'	30JAN04A		100	31,590.00	31,590.00	0.00						
1406-120	Wind Conductor	30JAN04A	86'	28MAY04A		100	18,432.00	18,432.00	0.00	em/tb=240					
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	30JAN04A	0			100	0.00	0.00	0.00						

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

NCSX
 CD-3 Baseline ECP14
 Status thru 9/30/04

Sheet 16 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var [BCWP - BCWS]	Fiscal Year										
										FY04	FY05	FY06	FY07	FY08	FY09					
Job: 1410 MC Twisted Racetrack Fabr-CHRZANOWSKI																				
Twisted Racetrack Hardware Fabrication (Chrzano)																				
1406-016.0	Oversight & Supervision	01NOV04*	121	29APR05	1,117		0.00	199,651.20	0.00											
1406-016.6	PPPL Fabricate TRC Chill plates	05NOV04*	40	12JAN05	132		0.00	2,865.00	0.00											
1406-016.7	PPPL Fabricate TRC Tubing	05NOV04*	40	12JAN05	132		0.00	3,418.40	0.00											
1406-016.1	Inspect & Measure Casting	01OCT04*	20	28OCT04	132		0.00	0.00	0.00											
1406-017	Prep TRC casting & instl cladding(station 2)	29OCT04	15	18NOV04	132		0.00	12,640.00	0.00											
1406-017.1	Instl grnd wrap & wind coil(station 2)	19NOV04	30	12JAN05	132		0.00	31,600.00	0.00											
1406-017.2	Instl chill plates & tubing (station 2)	13JAN05	20	09FEB05	132		0.00	12,640.00	0.00											
1406-017.3	Cmplt Assy of twisted racetrack (Joule milestone)		0	09FEB05	1,174		0.00	0.00	0.00											
1406-018	Apply bag mold (station 4)	10FEB05	20	09MAR05	132		0.00	12,640.00	0.00											
1406-ST1	Fab Straight Tee Specimen	11OCT04*	10	22OCT04	201		0.00	12,640.00	0.00											
1406-ST2	Straight Tee VPI Prep	25OCT04	10	05NOV04	201		0.00	12,640.00	0.00											
1406-ST3	VPI Tee Specimen	08NOV04	10	19NOV04	201		0.00	12,640.00	0.00											
1406-019	VPI TRC in autoclave	10MAR05	20	06APR05	132		0.00	28,440.00	0.00											
1406-019.1	Instl permanent clamps	07APR05	10	20APR05	132		0.00	12,640.00	0.00											
1406-020	Begin Testing of Twisted RT in Coil test Stand	21APR05	0		133		0.00	0.00	0.00											
1406-021	Test Coil	21APR05	5	27APR05	132		0.00	31,730.40	0.00											
1406-023	Dissect Coil	28APR05	5	04MAY05	132		0.00	6,320.00	0.00											
Job: 1407 -Mod Coil Winding Facility-CHRZANOWSKI																				
FY03 Actual Cost																				
1407-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64	30SEP03A		100	267,550.00	267,550.00	0.00											
Oversight and Supervision																				
1407-002	Winding Facility, Tooling, Materials Oversight	01OCT03A	186	28MAY04A		100	170,204.20	170,204.20	0.00											
1407.002.2	Winding Facility, Tooling, Materials Oversight	01JUN04A	86	30SEP04A		100	113,623.20	113,623.20	0.00											
1407.002.3	Winding Facility, Tooling, Materials Oversight	01OCT04*	11	15OCT04	1,248	LOE	0.00	2,643.20	0.00											
1407-002.1	Prep Winding Facility Ops Plan(reqd for TRT FRR)	01OCT04	10	14OCT04	1,249	LOE	0.00	0.00	0.00											
Autoclave																				
1407-005	Domes & cylinder Fab & Deliver (PE4226)	01DEC03A	18	23DEC03A		100	20,167.42	20,167.42	0.00											
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	31OCT03A	18	31OCT03A		100	509.60	509.60	0.00											
1407-008	Remaining Autoclave components-Deliver	01OCT03A	49	31MAR04A		100	11,466.00	11,466.00	0.00											
1407-011	Fabricate Autoclave	01OCT03A	128	31MAR04A		100	163,036.80	163,036.80	0.00											
1407-011.1	Autoclave assembly	01JUL04A	26	06AUG04A		100	18,432.00	18,432.00	0.00											
1407-011.2	Rebuild vacuum pumps (2)	01AUG04A	15	31AUG04A		100	18,432.00	18,432.00	0.00											

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409 NCSX Sheet 17 of 50

CD-3 Baseline ECP14
 Status thru 9/30/04

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04						FY05						FY06						FY07						FY08						FY09					
1407-012	Autoclave PTP	01SEP04A	5	30SEP04A		100	8,668.80	8,668.80	0.00	kearns=40;hause=40 jones=24																																			
1407.011.3	Fab & Install vacuum lines	01AUG04A	15	31AUG04A		100	18,432.00	18,432.00	0.00	em/tb=240																																			
1407.011.4	Instl insulation on autoclave	02AUG04A	14	31AUG04A		100	17,203.20	17,203.20	0.00	dmattia=112; em/tb=112																																			
1407.011.5	Write autoclave PTP	01JUN04A	9	31AUG04A		100	841.60	841.60	0.00	jones=8																																			
1407-013	Autoclave ACC review		0	15OCT04*	211		0.00	0.00	0.00																																				
Area Preparation																																													
1407-200	Decon TFTR test Cell Crane	26NOV03A	20	26NOV03A		N/R	18,432.00	18,432.00	0.00																																				
1407-202	Setup facility stations	01MAR04A	118	28MAY04A		100	29,161.80	29,161.80	0.00	ee/sin=57; em/tb=300																																			
1407-204	Build cleanrooms (2) locations	02FEB04A	128	28MAY04A		100	92,352.50	92,352.50	0.00	em/tb=850; 41=\$21.25k																																			
1407-204.2	Build cleanroom (1 addl) **2nd line**	02FEB04A	171	28MAY04A		100	32,595.00	32,595.00	0.00	em/tb=30,41=\$7.5																																			
Design Activities																																													
1407-003	Winding Facility, Tooling, Design	01OCT03A	207	28MAY04A		100	115,614.80	115,614.80	0.00	PPPL DESIGN=1099 hrs																																			
1407-003.1	Facility Drawings	01JUN04A	14	18JUN04A		100	10,520.00	10,520.00	0.00	morris=100																																			
1407-003.2	Final Drawings for winding clamps	21JUN04A	10	30JUN04A		100	8,416.00	8,416.00	0.00	morris=80																																			
1407-003.3	Final Drawings -type C casting supports	12JUL04A	5	16JUL04A		100	4,208.00	4,208.00	0.00	morris=40																																			
1407-003.4	Final Drawings -casting to ring fixture	02AUG04A	43	30SEP04A		100	6,732.80	6,732.80	0.00	morris=64																																			
1407-003.5	Final Drawings -Type A casting supports	29JUL04A	24	31AUG04A		100	6,732.80	6,732.80	0.00	morris=64																																			
1407-003.6	Final Drawings -Type B casting supports	10AUG04A	11	24AUG04A		100	8,416.00	8,416.00	0.00	morris=80																																			
1407-003.7	Final Drawings -casting stud fixture	01AUG04A	0	31AUG04A		100	2,524.80	2,524.80	0.00	morris=24																																			
1407-003.8	Misc Drawings (ecn's etc)	01AUG04A	54	30SEP04A		100	12,624.00	12,624.00	0.00	morris=120																																			
1407-003.9	Electrical design support/oversight	01JUN04A	86	31AUG04A		100	10,520.00	10,520.00	0.00	jones=100																																			
Remaining fixtures & tooling																																													
1407-100	Fabricate turning fixtures and coil supports	01DEC03A	166	28MAY04A		100	245,050.00	245,050.00	0.00	Machinist=400; em/tb=2600; 41=\$50k																																			
1407-100.2	Fabr turning fixt&coil supports **2nd line**	02FEB04A	128	28MAY04A		100	131,313.00	131,313.00	0.00	em/sm=100,em/tb=1950.41=\$15																																			
1407-110	Fabricate Winding clamp sets (125)	01MAY04A	40	28MAY04A		100	40,488.00	40,488.00	0.00	Machinist=500; em/tb=120; 41=\$15 k																																			
1407-115	Fabricate Conductor payout spool system	01MAR04A	119	28MAY04A		100	94,258.40	94,258.40	0.00	Machinist=144; em/tb=864; 41=\$ 10 k																																			
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	01JUN04A	65	31AUG04A		100	13,078.00	13,078.00	0.00	delaney=100; 41=2																																			
1407-128	Setup facility stations 2&5	01JUN04A	86	30SEP04A		100	12,288.00	12,288.00	0.00	anderson,terlitz,kearns,hause=40 each																																			
1407-130	Misc tools & equip FY04	02FEB04A	171	30SEP04A		100	29,692.00	29,692.00	0.00	41=\$ 40 k; machinist=80																																			
1407-100.3	Fab & Instl Turning Fixt 2,3&4	01JUN04A	107	30SEP04A		100	176,482.80	176,482.80	34,636.81	simmons=396;bartzek=1755																																			
1407-100.4	Electr hookup turning fixtures 2,3&4	01AUG04A	64	30SEP04A		100	7,648.20	7,648.20	4,654.44	steer=42;em/tb=42																																			
1407-110.2	Compl Fabr Winding clamp sets (100 of 400)	12JUL04A	58	30SEP04A		100	23,880.40	23,880.40	0.00	em/sm=188,em/tb=20;41=\$2																																			
1407-125	Fab Type C casting supports (6) sets	02AUG04A	15	30SEP04A		100	9,830.40	9,830.40	0.00	simmons=64,homer=64																																			
1407-126	Fab Type A casting supports (6) sets	02AUG04A	65	30SEP04A		100	6,912.00	6,912.00	0.00	simmons=45,homer=45																																			
1407-127	Fab Type B casting supports (6) sets	02AUG04A	65	30SEP04A		100	2,457.60	2,457.60	0.00	simmons=16,homer=16																																			
1407-135	construct cleanroom mech and electrical	01JUN04A	22	30JUN04A		100	24,576.00	24,576.00	0.00	clark,smith,lane,giliani=80 each																																			

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

NCSX
 CD-3 Baseline ECP14
 Status thru 9/30/04

Sheet 18 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
1407-199	Winding Facility ACC Rvw stations 2&5		0	15OCT04*	141		0.00	0.00	0.00						
VPI Preparations															
1407-105	Anchor VPI platforms	01JUN04A	4'	30JUN04A		100	6,144.00	6,144.00	0.00						
1407-106	Instl electric to VPI platforms & cntrl panel	01AUG04A	0'	31AUG04A		100	24,576.00	24,576.00	0.00						
1407-108	Mount mixing tanks onto VPI platforms	01SEP04A	2	30SEP04A		100	2,457.60	2,457.60	0.00						
Job: 1412 - Complete Winding Facilities-CHRZANOW															
Remaining fixtures & tooling															
1407-130.1	Misc tools & equipt FY05	01OCT04*	130	13APR05	1,129		0.00	30,172.00	0.00						
1408-999	3rd winding line conductor payout sys	01FEB05*	82	25MAY05	160		0.00	68,319.20	-68,319.20						
1407-100.5	Complete Fab & Instl Turning Fixt 2,3&4	30NOV04*	15'	20DEC04	210		0.00	20,170.20	0.00						
1407-100.6	Complete Electr hookup turning fixtures 2,3&4	30NOV04*	15'	20DEC04	210		0.00	3,371.40	0.00						
1407-110.3	Compl Fabr Winding clamp sets (300 of 400)	01OCT04*	98'	28FEB05	167		0.00	73,573.20	0.00						
1407-124	Fab casting to ring assy fixture station 1	01NOV04*	34'	20DEC04	210		0.00	21,660.00	-21,660.00						
1407-126.1	Complete Fab Type A casting supports (6) sets	01OCT04	98'	28FEB05	167		0.00	3,002.00	0.00						
1407-127.1	Complete Fab Type B casting supports (6) sets	01OCT04	98'	28FEB05	167		0.00	7,584.00	0.00						
1412-199	Complete Winding Facility ACC Review		0	28FEB05*	167		0.00	0.00	0.00						
VPI Preparations															
1407-107	Perform epoxy mixing trials with delivery sys	01NOV04*	10	12NOV04	1,228		0.00	6,320.00	-6,320.00						
1407-109	Fab & assemble VPI delivery sys	01NOV04*	10	12NOV04	1,228		0.00	23,700.00	-23,700.00						
Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI															
FY03 Actual Cost															
1408-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64	30SEP03A		100	29,790.00	29,790.00	0.00						
Epoxy															
1408-111	Epoxy - Requisition	04JAN05*	5	10JAN05	318		0.00	0.00	0.00						
1408-114	Epoxy -Evaluate Bids & Award	11JAN05	15	31JAN05	318		0.00	0.00	0.00						
1408-117	Epoxy -1st Delivery for Production	01AUG05*	20	26AUG05	191		0.00	19,380.00	0.00						
1408-119	Epoxy -2nd Delivery for Production	01DEC05*	20	29DEC05	147		0.00	19,575.00	0.00						
1408-121	Epoxy -3rd Delivery for Production	01FEB06*	20	28FEB06	146		0.00	19,575.00	0.00						
1408-123	Epoxy -4th Delivery for Production	03APR06*	20	28APR06	145		0.00	19,575.00	0.00						
1408-125	Epoxy -5th Delivery for Production	01JUN06*	20	28JUN06	149		0.00	19,575.00	0.00						
1408-127	Epoxy -6th Delivery for Production	01AUG06*	20	28AUG06	151		0.00	19,575.00	0.00						
Insulation for conductor															
1408-101	Insulation-Spec & Requisition	09JUL04A	3'	13JUL04A		100	0.00	0.00	0.00						
1408-103	Insulation-Prep & Issue RFQ/RFP	01AUG04A	10	20AUG04A		100	0.00	0.00	0.00						
1408-104	Insulation-Evaluate Bids & Award	23AUG04A	5	31AUG04A		100	0.00	0.00	0.00						
1408-107	Insulation-Delivery for Production	01OCT04	11'	15OCT04	252		0.00	17,183.60	-17,183.60						

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

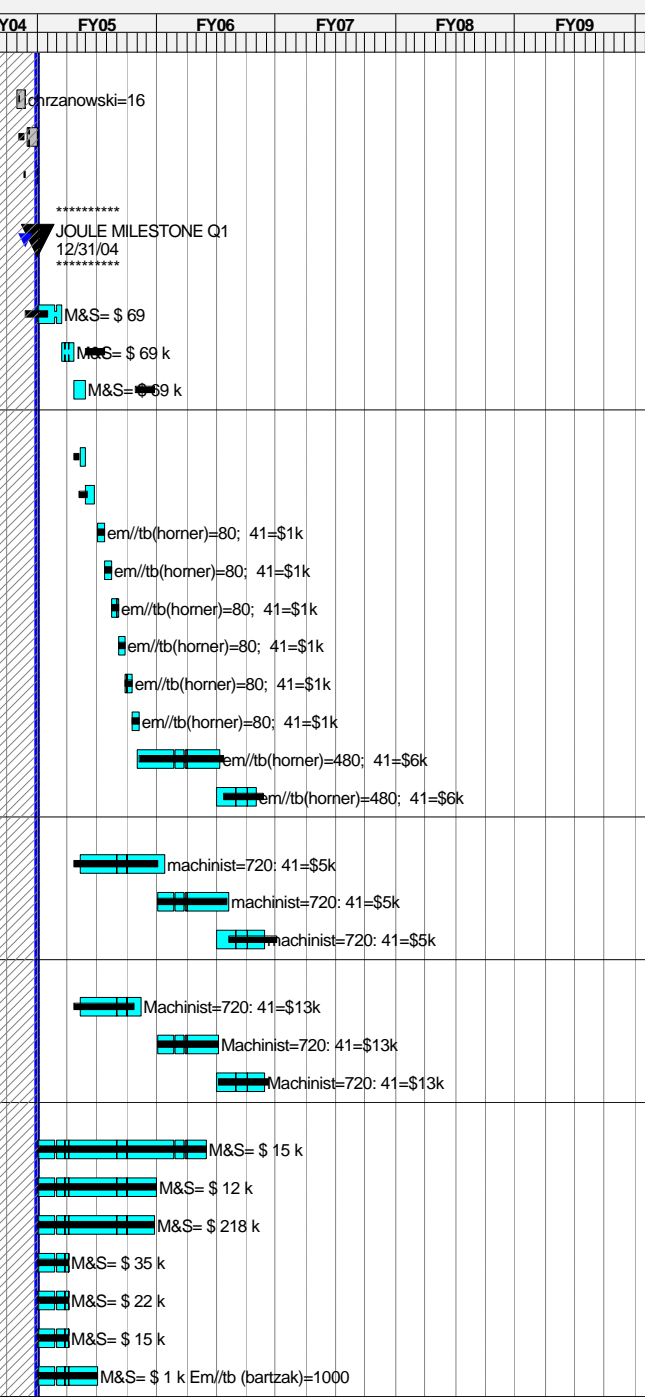
0409

NCSX
 CD-3 Baseline ECP14
 Status thru 9/30/04

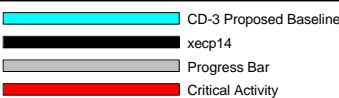
Sheet 19 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var [BCWP - BCWS]	FY04	FY05	FY06	FY07	FY08	FY09
Copper Conductor															
1408-141	Copper Conductor -Spec & Requisition	02AUG04A	3	27AUG04A		100	2,571.20	2,571.20	0.00						
1408-142	Copper Conductor -Prep & Issue RFQ/RFP	30AUG04A	23	30SEP04A		90	0.00	0.00	0.00						
1408-143	Copper Conductor -Evaluate Bids & Award	30SEP04A	5	30SEP04A			0.00	0.00	0.00						
1408-143.1	Mod Coil Copper Conductor Awarded		0	01OCT04A			0.00	0.00	0.00						
1408-147	Copper Conductor -Delivery #1	01OCT04	50	13DEC04	233		0.00	89,148.00	0.00						
1408-145	Copper Conductor -Delivery #2	14DEC04	25	19JAN05	357		0.00	89,148.00	0.00						
1408-146	Copper Conductor -Delivery #3	20JAN05	25	23FEB05	461		0.00	89,148.00	0.00						
Chill Plates,Cladding&Tubing															
1408-131L	Chill Plates -Spec & Requisition	11FEB05	10	24FEB05	132		0.00	0.00	0.00						
1408-133L	Chill plates -Bid & Award Material	25FEB05	20	24MAR05	132		0.00	0.00	0.00						
1408-137L	Chill plates ,cladsding,tubing Fab Type C1	04APR05*	15	22APR05	126		0.00	7,612.00	0.00						
1408-137L1	Chill plates ,cladsding,tubing Fab Type C2	25APR05	15	13MAY05	126		0.00	7,612.00	0.00						
1408-137L2	Chill plates ,cladsding,tubing Fab Type C3	16MAY05	15	06JUN05	137		0.00	7,612.00	0.00						
1408-137L3	Chill plates ,cladsding,tubing Fab Type C4	07JUN05	15	27JUN05	167		0.00	7,612.00	0.00						
1408-137L4	Chill plates ,cladsding,tubing Fab Type C5	28JUN05	15	19JUL05	167		0.00	7,612.00	0.00						
1408-137L5	Chill plates ,cladsding,tubing Fab Type C6	20JUL05	15	09AUG05	170		0.00	7,612.00	0.00						
1408-138L	Chill plates ,cladsding,tubing Fab Type B	01AUG05*	180	13APR06	202		0.00	46,198.50	0.00						
1408-139L	Chill plates ,cladsding,tubing Fab Type A	03APR06*	85	01AUG06	160		0.00	46,374.00	0.00						
G-11 Filler															
1408-153	G-11 Filler Fabrication - Production Type C	11FEB05	180	24OCT05	142		0.00	84,556.98	0.00						
1408-154	G-11 Filler Fabrication - Production Type B	06OCT05*	150	09MAY06	124		0.00	85,797.00	0.00						
1408-155	G-11 Filler Fabrication - Production Type A	03APR06*	105	29AUG06	130		0.00	85,797.00	0.00						
Lead hardware															
1408-163	Lead hardware Fabrication - Production Type C	11FEB05	130	15AUG05	142		0.00	94,772.00	0.00						
1408-164	Lead hardware Fabrication - Production Type B	03OCT05*	130	06APR06	127		0.00	96,237.00	0.00						
1408-165	Lead hardware Fabrication - Production Type A	03APR06*	105	29AUG06	130		0.00	96,237.00	0.00						
Other															
1408-137	Safety & Disposable supplies	01OCT04*	359	01MAR06	241		0.00	19,436.49	0.00						
1408-138	Misc. Supplies	01OCT04*	255	30SEP05	390		0.00	15,504.00	0.00						
1408-173	Epoxy for Shell Mold (Hysol)	01OCT04*	250	23SEP05	253		0.00	23,256.00	0.00						
1408-183	Tubing (Chem flor and Poly)	01OCT04*	65	05JAN05	218		0.00	45,220.00	0.00						
1408-184	Vulcanizing tape, felt and RTV	01OCT04*	65	05JAN05	218		0.00	28,424.00	0.00						
1408-185	Valves and Fittings	01OCT04*	65	05JAN05	218		0.00	19,380.00	0.00						
1408-186	Manifolds	01OCT04*	127	01APR05	253		0.00	80,292.00	0.00						



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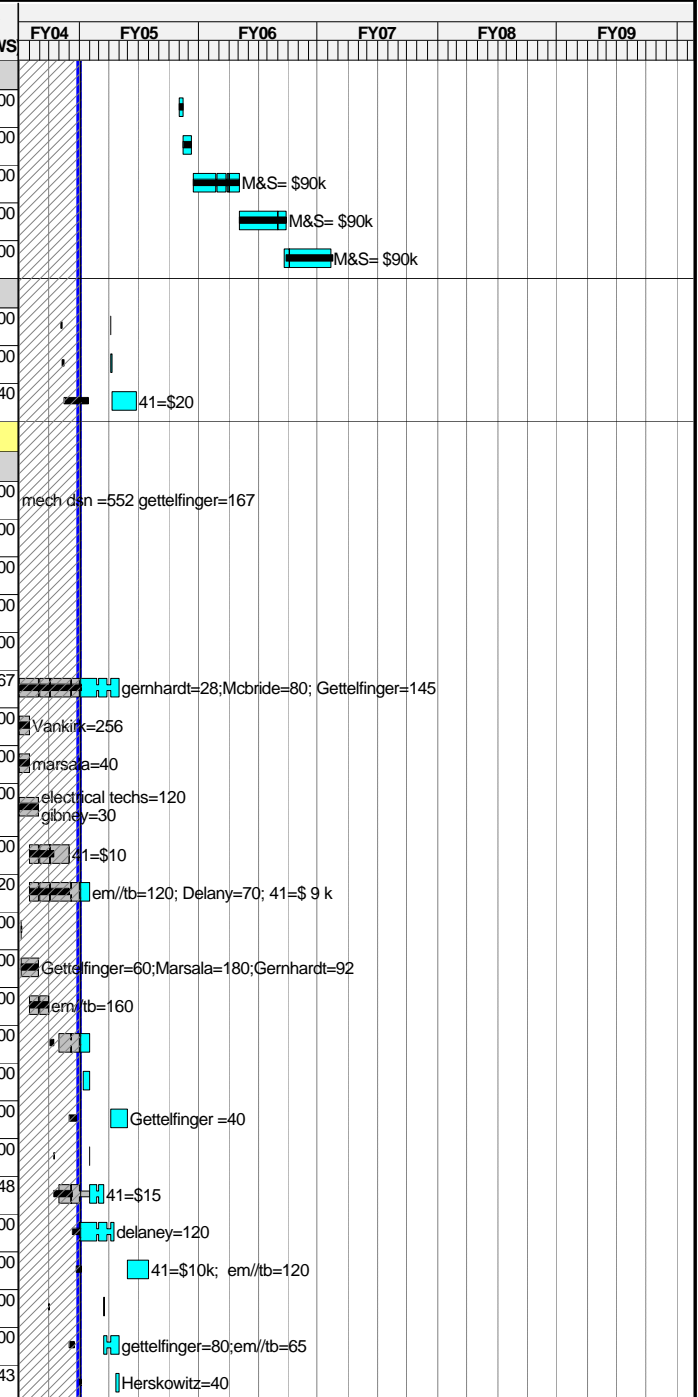
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NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 20 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
Clamps															
1408-131P	Clamps -Spec & Requisition	01AUG05*	10	12AUG05	246		0.00	0.00	0.00						
1408-133P	Clamps -Bid & Award	15AUG05	20	09SEP05	246		0.00	0.00	0.00						
1408-137P	Clamps Production Type C	12SEP05	100	02FEB06	246		0.00	117,274.50	0.00						
1408-138P	Clamps Production Type B	06FEB06*	100	26JUN06	193		0.00	117,450.00	0.00						
1408-139P	Clamps Production Type A	22JUN06*	100	09NOV06	138		0.00	118,676.70	0.00						
Groundwrap Insulation															
1408-110	Grndwrap Insulation-Spec & Requisition	04JAN05*	3	06JAN05	164		0.00	0.00	0.00						
1408-112	Grndwrap-Bid & Award	07JAN05	3	11JAN05	164		0.00	0.00	0.00						
1408-112.1	Grndwrap-Delivery	12JAN05	50	22MAR05	164		0.00	25,840.00	-17,054.40						
Job: 1409 - Mod. Coil Test Stand-GETTELFINGER															
Test Stand															
1409-000	FY04 Oct-Mar	20OCT03A	66*	31MAR04A		100	215,830.82	215,830.82	0.00						
1409-026	Install Electrical	01JAN04A	94*	31MAR04A		100	0.00	0.00	0.00						
1409-030	Generate I2T Reqmnts	23FEB04A	16	15MAR04A		100	0.00	0.00	0.00						
1409-036	Define N2 Ejection Scheme	23FEB04A	2	24FEB04A		100	0.00	0.00	0.00						
1409-038	Plan/Procure N2 Ejection Scheme	25FEB04A	14	15MAR04A		100	0.00	0.00	0.00						
1409-029	Oversight/Supervision	01APR04A	205*	28JAN05	190	LOE	22,082.69	35,388.93	-11,721.67						
1409-025	Complete Design	01APR04A	0*	30APR04A		100	26,931.20	26,931.20	0.00						
1409-032	Design I2T Protection	01APR04A	0*	30APR04A		100	6,028.00	6,028.00	0.00						
1409-034	Fabricate I2T Cards	01APR04A	42*	28MAY04A		100	15,795.00	15,795.00	0.00						
1409-040	Install N2 Ejection Scheme	01MAY04A	85*	31AUG04A		100	12,740.00	12,740.00	0.00						
1409-027	Cryo Line Installation	03MAY04A	128*	01NOV04	219	5	1,408.11	28,162.31	-26,754.20						
1409-110	ES&H Peer Review	05APR04A	1	05APR04A		100	0.00	0.00	0.00						
1409-100	Design Controls Modifications	08APR04A	37*	28MAY04A		100	46,696.80	46,696.80	0.00						
1409-120	Install Control Modifications	01MAY04A	42*	30JUN04A		100	12,288.00	12,288.00	0.00						
1409-140	Design Closed Loop LN2 System	02AUG04A	65*	01NOV04	1,237	60	0.00	0.00	0.00						
1409-141	Fab TRC Cryostat	15OCT04*	12	01NOV04	219		0.00	0.00	0.00						
1409-130	Cryostat (specimen shroud) dsn	04JAN05*	40	28FEB05	384		0.00	6,644.00	-6,644.00						
1409-145	FDR closed loop LN2 syst	01NOV04*	1	01NOV04	209		0.00	0.00	0.00						
1409-150	Proc Matt's/pump f/closed LN2	02AUG04A	95*	15DEC04	209	50	9,610.48	19,220.96	-9,610.48						
1409-155	Fab/Instl Closed Loop LN2 sys	01OCT04*	65*	12JAN05	196		0.00	12,996.00	-12,996.00						
1409-135	Cryostat (specimen shroud) Fabr & Install	01MAR05	43	28APR05	384		0.00	22,400.00	-6,460.00						
1409-044	Final Design & ACC Review	15DEC04*	0*	14DEC04	190		0.00	0.00	0.00						
1409-028	System Testing (planar racetrack)	15DEC04	26*	28JAN05	190		0.00	18,423.00	-18,423.00						
1409-160	Test Closed Loop Cooling	21JAN05*	6*	28JAN05	190		0.00	3,160.00	-451.43						



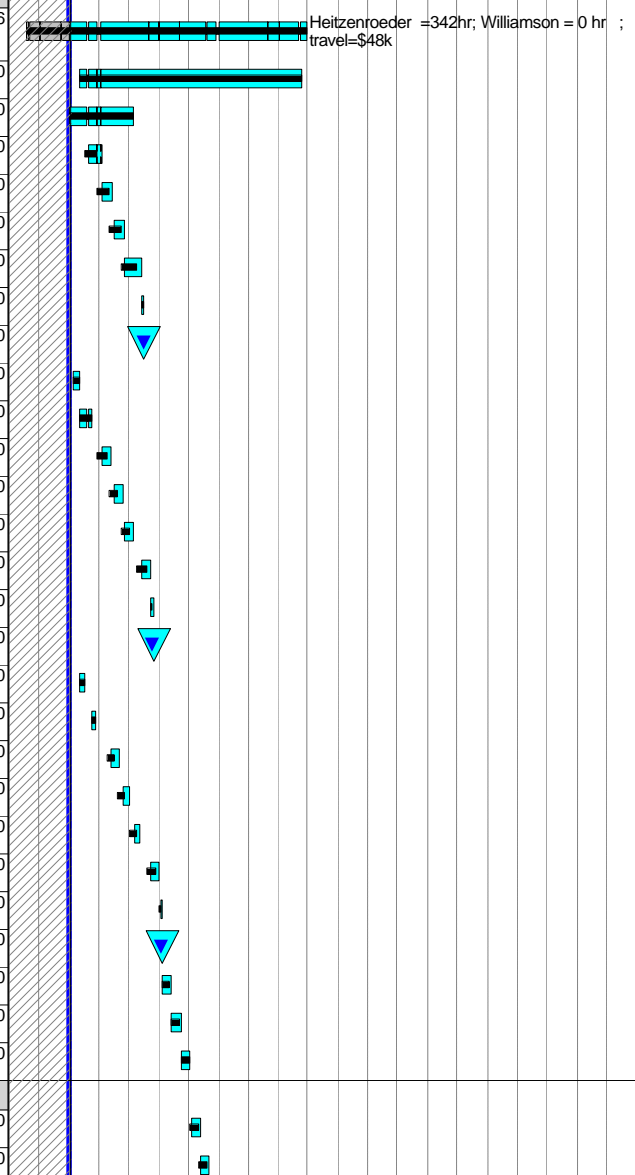
Run Date 12OCT04 15:20
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Legend:
 CD-3 Proposed Baseline (Blue bar)
 xecp14 (Black bar)
 Progress Bar (Grey bar)
 Critical Activity (Red bar)

0409 NCSX Sheet 21 of 50
CD-3 Baseline ECP14
Status thru 9/30/04

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
1409-165	Closed Loop Facility Available for TRC			28JAN05	190		0.00	0.00	0.00						
1409-199	Closed Loop Facility Available for TRC			28APR05	384		0.00	0.00	0.00						
Job: 1411-Modular Coil Casting Fab-HEITZENROEDER															
Type C Castings															
172-031	Title III engr	24MAY04A	589'	29SEP06	761		21,554.12	139,961.83	-69.86						
172-037	MCWF FAB	01NOV04*	484'	14SEP06	785		0.00	0.00	0.00						
1064	upfront production cost (prelim as of 8/24)	01OCT04*	136'	15APR05	1,154		0.00	2,967,060.00	0.00						
1065	Inspect & Weld Repair C-1	01DEC04*	25	07JAN05	106		0.00	0.00	0.00						
1070.1	Machine First Poloidal Break C-1	10JAN05	25	11FEB05	106		0.00	0.00	0.00						
1070.2	Machine Flanges & Bolt Holes C-1	14FEB05	25	18MAR05	106		0.00	0.00	0.00						
1070.3	Machine Tee C-1	21MAR05	37	10MAY05	106		0.00	0.00	0.00						
1071	Ship C-1 to PPPL	11MAY05*	5	17MAY05	106		0.00	305,360.00	0.00						
C-121.1	First MCWF Delivered		0	17MAY05	114		0.00	0.00	0.00						
1074	Build mold C-2	15OCT04*	15	04NOV04	155		0.00	0.00	0.00						
1075	Pour C-2	05NOV04	20	06DEC04	155		0.00	0.00	0.00						
1080	Inspect & Weld Repair C-2	10JAN05	20	04FEB05	134		0.00	0.00	0.00						
1090.1	Machine First Poloidal Break C-2	14FEB05	20	11MAR05	129		0.00	0.00	0.00						
1090.2	Machine Flanges & Bolt Holes C-2	21MAR05	20	15APR05	124		0.00	0.00	0.00						
1090.3	Machine Tee C-2	11MAY05	19	06JUN05	107		0.00	0.00	0.00						
1092	Ship C-2 to PPPL	08JUN05	5	14JUN05	106		0.00	305,360.00	0.00						
1091	Second Casting Delivered to PPPL		0	14JUN05	106		0.00	0.00	0.00						
1094	Build mold C-3	05NOV04	10	18NOV04	195		0.00	0.00	0.00						
1095	Pour C-3	07DEC04	10	20DEC04	185		0.00	0.00	0.00						
1100	Inspect & Weld Repair C-3	07FEB05	18	02MAR05	154		0.00	0.00	0.00						
1110.1	Machine First Poloidal Break C-3	14MAR05	15	01APR05	147		0.00	0.00	0.00						
1110.2	Machine Flanges & Bolt Holes C-3	18APR05	15	06MAY05	137		0.00	0.00	0.00						
1110.3	Machine Tee C-3	07JUN05*	19	01JUL05	116		0.00	0.00	0.00						
1112	Ship C-3 to PPPL	06JUL05	5	12JUL05	114		0.00	305,360.00	0.00						
1111	Third Casting Delivered to PPPL		0	12JUL05	114		0.00	0.00	0.00						
C-321	Castings-C-4	13JUL05	19	08AUG05	129		0.00	305,360.00	0.00						
C-401	Castings-C-5	11AUG05	19	06SEP05	129		0.00	305,360.00	0.00						
C-461	Castings-C-6	09SEP05	19	05OCT05	129		0.00	305,360.00	0.00						
Type B Castings															
C-141	Castings-B-1	10OCT05	19	03NOV05	129		0.00	305,360.00	0.00						
C-201	Castings-B-2	04NOV05	19	30NOV05	129		0.00	305,360.00	0.00						



Run Date 12OCT04 15:20

- CD-3 Proposed Baseline
- xecp14
- Progress Bar
- Critical Activity

0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 22 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04 FY05 FY06 FY07 FY08 FY09										
										Gantt Chart										
C-281	Castings-B-3	05DEC05	19	29DEC05	129		0.00	305,360.00	0.00											
C-341	Castings-B-4	03JAN06	19	27JAN06	129		0.00	305,360.00	0.00											
C-421	Castings-B-5	01FEB06	19	27FEB06	129		0.00	305,360.00	0.00											
C-481	Castings-B-6	02MAR06	19	28MAR06	129		0.00	305,360.00	0.00											
Type A Castings																				
C-161B	Castings-A-1	31MAR06	19	26APR06	129		0.00	305,360.00	0.00											
C-221B	Castings-A-2	01MAY06	19	25MAY06	129		0.00	305,360.00	0.00											
C-301B	Castings-A-3	30MAY06	19	23JUN06	129		0.00	152,680.00	0.00											
C-361B	Castings-A-4	26JUN06	19	20JUL06	129		0.00	152,680.00	0.00											
C-441B	CastingsA-5	25JUL06	19	18AUG06	129		0.00	305,360.00	0.00											
C-501B	Castings-A-6 (last MCC form delivered)	23AUG06	19	18SEP06	129		0.00	305,360.00	0.00											
C-501B1	Last MCWF Delivered		0	18SEP06	129		0.00	0.00	0.00											
Job: 1431 - Modular Coil Local I&C																				
174-001	Title I design WBS 143 Mod coil local I&C	03OCT05*	30	11NOV05	407		0.00	14,027.29	0.00											
174-011	Title II design WBS 143 Mod coil local I&C	14NOV05	30	04JAN06	407		0.00	14,027.29	0.00											
174-035	Modular Coil local I&C -Procurement	05JAN06	60	29MAR06	413		0.00	17,395.65	0.00											
174-036	Modular Coil local I&C -Title III	05JAN06	80	26APR06	884		0.00	5,529.26	0.00											
174-037	Modular Coil local I&C -Install	15JAN07*	20	09FEB07	212		0.00	70,223.20	0.00											
Job: 1451 - Mod Coil Winding-CHRZANOWSKI																				
Labor																				
171-040	Winding Oversight (LOE)	18MAY05*	393	11DEC06	712		0.00	643,768.65	0.00											
171-041	Modular Coil Winding (18 coils) **reduced est	18MAY05	409*	10JAN07	104		0.00	3,163,265.63	0.00											
171-041CT	PBR Increment for cold testing	21NOV05	279*	10JAN07	104		0.00	440,831.07	0.00											
Station 1 Prep, Install Cladding, Final Clamps																				
P1-001	Receive C1, Prep& Instl Cladding(Station 1)	18MAY05	12	03JUN05	111		0.00	0.00	0.00											
P1-091	Receive C2, Prep& Instl Cladding(Station 1)	15JUN05	12	30JUN05	104		0.00	0.00	0.00											
P2-001	Receive C3, Prep& Instl Cladding(Station 1)	13JUL05	12	28JUL05	111		0.00	0.00	0.00											
P2-091	Receive C4, Prep& Instl Cladding(Station 1)	09AUG05	12	24AUG05	136		0.00	0.00	0.00											
P3-001	Receive C5, Prep& Instl Cladding(Station 1)	07SEP05	12	22SEP05	128		0.00	0.00	0.00											
P3-091	Receive C6, Prep& Instl Cladding(Station 1)	06OCT05	12	21OCT05	125		0.00	0.00	0.00											
P1-031	Receive B-1, Prep& Instl Cladding(Station 1)	04NOV05	12	21NOV05	137		0.00	0.00	0.00											
P1-121	Receive B-2, Prep& Instl Cladding(Station 1)	01DEC05	12	16DEC05	132		0.00	0.00	0.00											
P2-031	Receive B-3, Prep& Instl Cladding(Station 1)	03JAN06	12	18JAN06	133		0.00	0.00	0.00											
P2-121	Receive B-4, Prep& Instl Cladding(Station 1)	30JAN06	12	14FEB06	147		0.00	0.00	0.00											
P3-031	Receive B-5, Prep& Instl Cladding(Station 1)	28FEB06	12	15MAR06	138		0.00	0.00	0.00											

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409 NCSX Sheet 23 of 50

**CD-3 Baseline ECP14
Status thru 9/30/04**

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04 FY05 FY06 FY07 FY08 FY09												
										Gantt Chart												
P3-121	Receive B-6, Prep& Instl Cladding(Station 1)	29MAR06	12	13APR06	135		0.00	0.00	0.00													
P1-061	Receive A-1, Prep& Instl Cladding(Station 1A)	27APR06	12	12MAY06	149		0.00	0.00	0.00													
P1-151	Receive A-2, Prep& Instl Cladding(Station 1A)	26MAY06	12	13JUN06	144		0.00	0.00	0.00													
P2-061	Receive A-3, Prep& Instl Cladding(Station 1A)	26JUN06	12	12JUL06	136		0.00	0.00	0.00													
P2-151	Receive A-4, Prep& Instl Cladding(Station 1A)	21JUL06	12	07AUG06	135		0.00	0.00	0.00													
P3-061	Receive A-5, Prep& Instl Cladding(Station 1A)	21AUG06	12	06SEP06	126		0.00	0.00	0.00													
P3-151	Receive A-6, Prep& Instl Cladding(Station 1A)	19SEP06	12	04OCT06	122		0.00	0.00	0.00													
Station 2-Winding, Instl Chill Plates,Tubing,Bag																						
P1-011	Wind coil C-1 (station 2)	06JUN05*	49	12AUG05	111		0.00	0.00	0.00													
P1-011J	Complete Winding First Modular Coil		0	12AUG05	1,044		0.00	0.00	0.00	<p>***** ▲ JOULE MILESTONE Q4 9/30/05 *****</p>												
P1-020	Instl Chill Plates,Tubing, Bag C1 (Station 2)	15AUG05	33	29SEP05	111		0.00	0.00	0.00													
P2-101	Wind coil C-4 (station2)	30SEP05	38	22NOV05	111		0.00	0.00	0.00													
P2-110	Instl Chill Plates,Tubing, Bag C4(Station 2)	23NOV05	25	06JAN06	111		0.00	0.00	0.00													
P1-041	Wind coil B1 (station 2)	09JAN06	38	01MAR06	111		0.00	0.00	0.00													
P1-050	Instl Chl Plates,Tubing, Bag B1(Station 2)	02MAR06	25	05APR06	111		0.00	0.00	0.00													
P2-131	Wind coil B4 (station 2)	06APR06	38	30MAY06	111		0.00	0.00	0.00													
P2-140	Instl Chl Plates,Tubing, Bag B4(Station 2) 2shft	31MAY06	12	15JUN06	111		0.00	0.00	0.00													
P1-071	Wind coil A1 (station 2)**2 shift	16JUN06	16	10JUL06	126		0.00	0.00	0.00													
P1-080	Instl Chl Plates,Tubing,Bag A1(Station 2)**2 shft	11JUL06	11	25JUL06	126		0.00	0.00	0.00													
P2-161	Wind coil A4 (station 2) **2 shift	08AUG06	14	25AUG06	137		0.00	0.00	0.00													
P2-170	Instl Chill Plates,Tubing,Bag A4Station2)**2 shft	28AUG06	10	11SEP06	137		0.00	0.00	0.00													
Station 3-Winding, Instl Chill Plates,Tubing,Bag																						
P1-101	Wind coil C-2(station 3)	01JUL05*	49	09SEP05	104		0.00	0.00	0.00													
P1-110	Instl Chill Plates,Tubing, Bag C2 (Station 3)	12SEP05	33	26OCT05	104		0.00	0.00	0.00													
P3-011	Wind coil C-5 (station 3)	27OCT05	38	21DEC05	104		0.00	0.00	0.00													
P3-020	Instl Chill Plates,Tubing, Bag C5 (Station 3)	22DEC05	25	02FEB06	104		0.00	0.00	0.00													
P1-131	Wind coil B2 (station 3)	03FEB06	38	28MAR06	104		0.00	0.00	0.00													
P1-140	Instl Chl Plates,Tubing, BagB2Station 3)	29MAR06	25	02MAY06	104		0.00	0.00	0.00													
P3-041	Wind coil B5 (station 3)	03MAY06	38	26JUN06	104		0.00	0.00	0.00													
P3-050	Instl Chl Plates,Tubing, BagB5Station 3)2 shft	27JUN06	12	13JUL06	104		0.00	0.00	0.00													
P1-161	Wind coil A2 (station 3) **2 shift	14JUL06	16	04AUG06	124		0.00	0.00	0.00													
P1-170	Instl Chill Plates,Tubing,Bag A2Station 3)**2shft	07AUG06	11	21AUG06	124		0.00	0.00	0.00													
P3-071	Wind coil A5 (station 3) **2 shift	07SEP06	14	26SEP06	126		0.00	0.00	0.00													
P3-080	Instl Chill Plates,Tubing,Bag A5Station 3)**2shft	27SEP06	10	10OCT06	126		0.00	0.00	0.00													

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

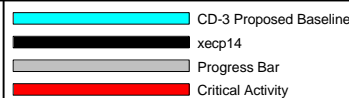
NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 24 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var [BCWP - BCWS]									
										FY04	FY05	FY06	FY07	FY08	FY09			
Station 4-Winding, Instl Chill Plates,Tubing,Bag																		
P2-011	Wind coil C3 (station 4)	29JUL05	49	06OCT05	111		0.00	0.00	0.00									
P2-020	Instl Chill Plates,Tubing, Bag C3 (Station 4)	07OCT05	25	10NOV05	111		0.00	0.00	0.00									
P3-101	Wind coil C-6 (station 4)	11NOV05	38	13JAN06	111		0.00	0.00	0.00									
P3-110	Instl Chill Plates,Tubing, Bag C6 (Station 4)	16JAN06	25	17FEB06	111		0.00	0.00	0.00									
P2-041	Wind coil B3 (station 4)	20FEB06	38	12APR06	111		0.00	0.00	0.00									
P2-050	Instl Chl Plates,Tubing, Bag B3 (Station 4)	13APR06	25	17MAY06	111		0.00	0.00	0.00									
P3-131	Wind coil B6 (station 4)	18MAY06	38	12JUL06	111		0.00	0.00	0.00									
P3-140	Instl Chl Plates,Tubing, Bag B6 (Station 4)2shft	13JUL06	12	28JUL06	111		0.00	0.00	0.00									
P2-071	Wind coil A3 (station 4)**2 shift	31JUL06	16	21AUG06	124		0.00	0.00	0.00									
P2-080	Instl Chill Plates,Tubing,Bag A3(Station 4)2shft	22AUG06	11	06SEP06	124		0.00	0.00	0.00									
P3-161	Wind coil A6 (station 4)** 2 shift	05OCT06	14	24OCT06	122		0.00	0.00	0.00									
P3-170	Instl Chill Plates,Tubing,BagA6Station 4)**2shft	25OCT06	10	07NOV06	122		0.00	0.00	0.00									
Station 5-VPI																		
P1-021V	VPI (Station 5) C1	30SEP05	14	19OCT05	163		0.00	0.00	0.00									
P1-111V	VPI (Station 5) C2	27OCT05	14	15NOV05	158		0.00	0.00	0.00									
P2-021V	VPI (Station 5) C3	16NOV05	14	07DEC05	158		0.00	0.00	0.00									
P2-111V	VPI (Station 5) C4	09JAN06	14	26JAN06	142		0.00	0.00	0.00									
P3-021V	VPI (Station 5) C5	03FEB06	13	21FEB06	137		0.00	0.00	0.00									
P3-111V	VPI (Station 5) C6	22FEB06	13	10MAR06	137		0.00	0.00	0.00									
P1-051V	VPI (Station 5) B1	06APR06	12	21APR06	119		0.00	0.00	0.00									
P1-141V	VPI (Station 5) B2	03MAY06	12	18MAY06	112		0.00	0.00	0.00									
P2-051V	VPI (Station 5) B3	19MAY06	12	06JUN06	112		0.00	0.00	0.00									
P2-141V	VPI (Station 5) B4	16JUN06	12	03JUL06	111		0.00	0.00	0.00									
P3-051V	VPI (Station 5) B5	14JUL06	12	31JUL06	104		0.00	0.00	0.00									
P3-141V	VPI (Station 5) B6	09AUG06	12	24AUG06	104		0.00	0.00	0.00									
P1-081V	VPI (Station 5) A1	25AUG06	11	11SEP06	104		0.00	0.00	0.00									
P1-171V	VPI (Station 5) A2	20SEP06	11	04OCT06	104		0.00	0.00	0.00									
P2-081V	VPI (Station 5) A3	05OCT06	10	18OCT06	104		0.00	0.00	0.00									
P3-081V	VPI (Station 5) A4	27OCT06	10	09NOV06	104		0.00	0.00	0.00									
P2-171V	VPI (Station 5) A5	10NOV06	10	27NOV06	104		0.00	0.00	0.00									
P3-171V	VPI (Station 5) A6	06DEC06	10	19DEC06	104		0.00	0.00	0.00									
Station 1B Final Clamp Installation																		
P1-021C	Install Clamps (Station1) C1	20OCT05	7	28OCT05	256		0.00	0.00	0.00									
P1-111C	Install Clamps (Station1) C2	16NOV05	7	28NOV05	245		0.00	0.00	0.00									
P2-021C	Install Clamps (Station1) C3	08DEC05	6	15DEC05	240		0.00	0.00	0.00									

Run Date 12OCT04 15:20



0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 25 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var [BCWP - BCWS]	FY04	FY05	FY06	FY07	FY08	FY09
15 - Structures															
Job: 1501 - Structures Design- Kalish															
PDR/PBR Task List															
1501-105	Project PDR	07OCT03A	1	07OCT03A		100	0.00	0.00	0.00						
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A		100	12,856.00	12,856.00	0.00						
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A		100	6,428.00	6,428.00	0.00						
1501-117	Performance baseline review		0	18NOV03A		100	0.00	0.00	0.00						
Reqmnts, Configuration, Interfaces and PDR															
1501-125	Update drawings & models based on vendor recomb	21OCT03A	30	26NOV03A		100	28,765.30	28,765.30	0.00						
1501-129	Develop a SRD design to spec	01OCT04	6	08OCT04	260		0.00	6,442.80	-6,442.80						
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	27OCT04	257	90	5,652.48	6,280.53	-628.05						
1501-137	Prepare assembly & interface drawings for ICDS	21OCT04	30	03DEC04	212		0.00	29,570.80	0.00						
1501-141	Finalize and approve all ICDS	06DEC04	20	04JAN05	212		0.00	6,442.80	0.00						
1501-145	Prepare assembly drawings for structure / coils	04NOV04	30	17DEC04	212		0.00	29,570.80	0.00						
1501-149	Update design basis document; address size and w	20DEC04	10	04JAN05	212		0.00	6,442.80	0.00						
1501-157	Perform RAM & ES&H analyses document in design b	07DEC04	19	04JAN05	212		0.00	6,442.80	0.00						
1501-161	Update cost and schedule	20DEC04	10	04JAN05	212		0.00	6,442.80	0.00						
1501-162	PDR Preparation	13DEC04*	15	04JAN05	212		0.00	6,442.80	0.00						
1501-165	Perform Coil Support Structure PDR		0	04JAN05*	212		0.00	0.00	0.00						
Preliminary Design Analyses															
1501-169	Design Analyses (summary task)	10NOV04	36	04JAN05	212		0.00	0.00	0.00						
1501-173	Update ANSYS model of coils & structure	10NOV04	21	10DEC04	212		0.00	10,755.20	0.00						
1501-177	Perform structural stress analyses	10NOV04	21	10DEC04	212		0.00	10,755.20	0.00						
1501-181	Perform structural deflection analyses	10NOV04	21	10DEC04	212		0.00	10,755.20	0.00						
1501-185	Check EM loads for reference scenarios	03DEC04	21	04JAN05	212		0.00	10,755.20	0.00						
1501-189	Perform EM combined loads & fault conditions	03DEC04	21	04JAN05	212		0.00	11,085.60	0.00						
1501-221	Prepare Failure Modes Assessment (FMECA)	17NOV04	31	04JAN05	212		0.00	4,625.60	0.00						
Structures Final Design															
1501-205	Structures FDR (summary task)	05JAN05	87	05MAY05	212		0.00	0.00	0.00						
1501-197	Update analyses based on PDR recommendations	05JAN05	15	25JAN05	212		0.00	6,277.60	0.00						
1501-201	Independent check of EM/ ANSYS analyses	26JAN05	15	15FEB05	212		0.00	6,277.60	0.00						
1501-209	Prepare final drawings	05JAN05*	30	15FEB05	212		0.00	19,493.60	0.00						
1501-213	Check & promote models / drawings	16FEB05	15	08MAR05	212		0.00	12,885.60	0.00						
1501-217	Update build to spec / sow	09MAR05	14	28MAR05	212		0.00	6,277.60	0.00						
1501-225	Update design basis document	29MAR05	11	12APR05	212		0.00	6,277.60	0.00						
1501-229	Update cost & schedule estimates	12APR05	18	05MAY05	212		0.00	6,277.60	0.00						

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

NCSX
 CD-3 Baseline ECP14
 Status thru 9/30/04

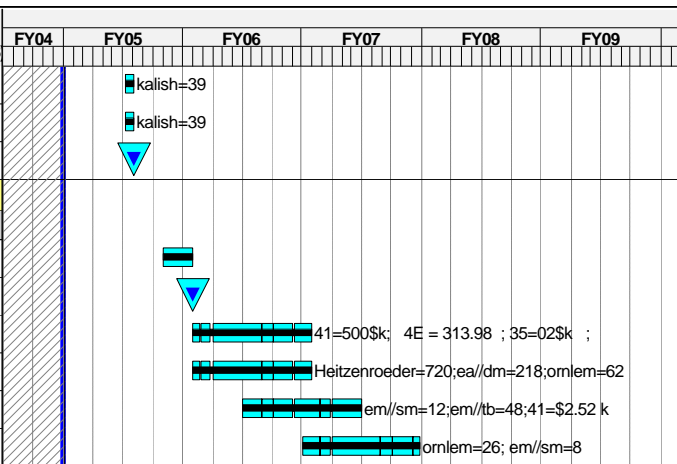
Sheet 27 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
1501-233	Prepare FDR documentation / presentations	12APR05	18	05MAY05	212		0.00	6,442.80	0.00						
1501-237	Prepare ECP for FDR	12APR05	18	05MAY05	212		0.00	6,442.80	0.00						
1501-241	FDR Coil Support Structure		0	05MAY05	212		0.00	0.00	0.00						

Job:1550 - Structures Procure & Fab-KALISH

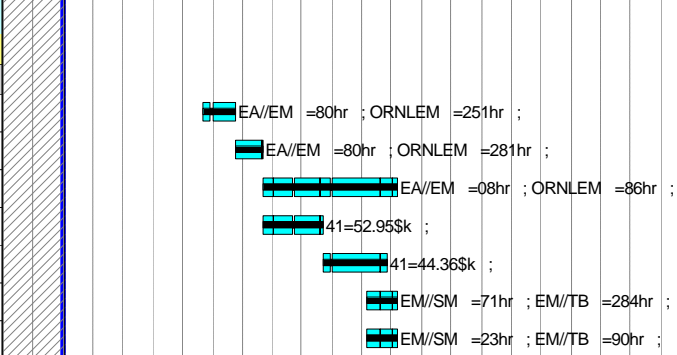
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	03AUG05	65	01NOV05	151		0.00	0.00	0.00						
162-036.9	Award Coil Support Assy		0	01NOV05*	147		0.00	0.00	0.00						
162-037	WBS 151Coil Support Assy Procurement [A/1]	02NOV05	249	31OCT06	147		0.00	991,779.33	0.00						
162-031	Title III engr WBS 151	02NOV05	249	31OCT06	739		0.00	154,962.18	0.00						
153.037	WBS 153 Support Structure I&C Procurement/Fab	03APR06*	249	30MAR07	201		0.00	8,718.02	0.00						
153.015	Title III design WBS 153 locall&C	02OCT06*	249	28SEP07	512		0.00	4,969.96	0.00						



16 - Coil Services

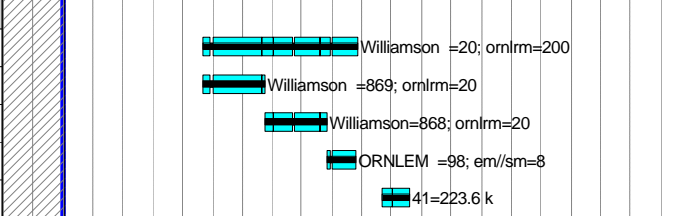
161 - LN2 Distribution

191-001	Title I design WBS 161 LN2 manifolds&piping	01DEC05*	65	09MAR06	221		0.00	49,812.41	0.00						
191-011	Title II design WBS 161 LN2 manifolds&piping	10MAR06	60	02JUN06	221		0.00	99,769.73	0.00						
191-031	Title III engr WBS 161	05JUN06*	280	17JUL07	564		0.00	14,468.81	0.00						
191-037	Procurement WBS 161	05JUN06*	130	07DEC06	221		0.00	69,999.49	0.00						
191-038	PDR#17	08DEC06*	130	18JUN07	584		0.00	59,974.72	0.00						
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	19APR07*	62	17JUL07	133		0.00	32,986.60	0.00						
191-042	PDR #17,25,3	19APR07*	65	20JUL07	561		0.00	10,512.80	0.00						



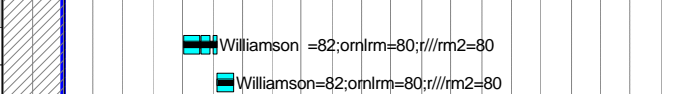
162 - Electrical Leads

132-000	PDR #17 & 25	30NOV05*	325	22MAR07	645		0.00	40,162.88	0.00						
132-001	Title I design WBS 162 Coil leads	01DEC05*	130	09JUN06	218		0.00	129,613.39	0.00						
132-011	Title II design WBS 162 Coil leads	12JUN06	130	14DEC06	218		0.00	133,039.37	0.00						
132-015	Title III design WBS 162 Coil leads	15DEC06*	60	16MAR07	649		0.00	16,105.48	0.00						
132-037	Coil Leads Procurement WBS 162	04JUN07*	60	27AUG07	104		0.00	302,334.24	0.00						



163 - Coil Protection System

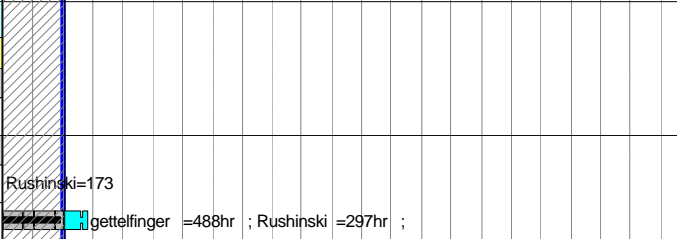
163.001	Title I design WBS 163 Coil protection	03OCT05*	65	11JAN06	905		0.00	39,029.02	0.00						
163.011	Title II design WBS 163 Coil protection	12JAN06	40	08MAR06	905		0.00	39,029.02	0.00						



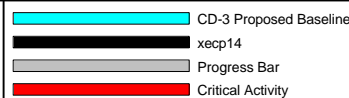
17 - Cryostat and Base Support Structure

Job:1701-Cryostat&Base Sprt Strct Dsn-GETTLEFINGER

FY03 Actual Cost															
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A		100	12,180.00	12,180.00	0.00						
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103	31MAR04A		100	0.00	0.00	0.00						
151-001	Title I design WBS 171 cryostat shell & struct	01APR04A	180	15DEC04	260	85	94,310.67	110,953.72	14,850.17						



Run Date 12OCT04 15:20



0409 NCSX Sheet 28 of 50

CD-3 Baseline ECP14 Status thru 9/30/04

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
161-001	Title I design WBS 172 base support struct	01APR04A	180*	15DEC04	260	85	43,280.18	50,917.86	-7,637.68						
151-002	Cryostat & Base Support Struct PDR		0	15DEC04	260		0.00	0.00	0.00						
151-011	Final Design Cryostat WBS 171	16DEC04*	207	14OCT05	260		0.00	226,403.35	0.00						
171-199	Cryostat FDR		0	14OCT05	260		0.00	0.00	0.00						
161-011	Final Design Base Support Structure WBS 172	16DEC04	112	01JUN05	341		0.00	54,746.60	-1,319.20						
172-199	Base Support Structure FDR		0	01JUN05	341		0.00	0.00	0.00						

Job: 1751 - Cryostat Procurement

171 - Cryostat

151-031	Title III engr	17OCT05	423	27JUN07	577		0.00	30,948.29	0.00						
151-036.8	Prep Spec, Solicit bids, and Select Vendor	17OCT05	65	25JAN06	260		0.00	0.00	0.00						
151-036.9	Award Cryostat Procurement		0	23JUN06*	154		0.00	0.00	0.00						
151-037	Cryostat Procurement [A/1]	26JUN06	249	22JUN07	154		0.00	483,665.74	0.00						

Job: 1752 - Base Support Structure Procurement

172 - Base Support Structure

161-031	Title III engr WBS 172	03OCT05*	240	18SEP06	770		0.00	46,651.32	0.00						
161-036.8	Prep Spec, Solicit bids, and Select Vendor	02JUN05	65	01SEP05	341		0.00	0.00	0.00						
161-036.9	Award Machine Base&supports Procurement		0	03OCT05*	320		0.00	0.00	0.00						
161-037	Machine Base&supports Procurement [A/1]	04OCT05	90	16FEB06	320		0.00	286,302.65	0.00						

18 - Field Period Assembly

Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)

FY03 Actual Cost

1801-001	Apr-Sept MIE Costs PPPL	01APR03A	42	30SEP03A		100	7,750.00	7,750.00	0.00						
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A		100	53,050.00	53,050.00	0.00						

Job: 1802 - FP Assy Oversight&Support-VIOLA

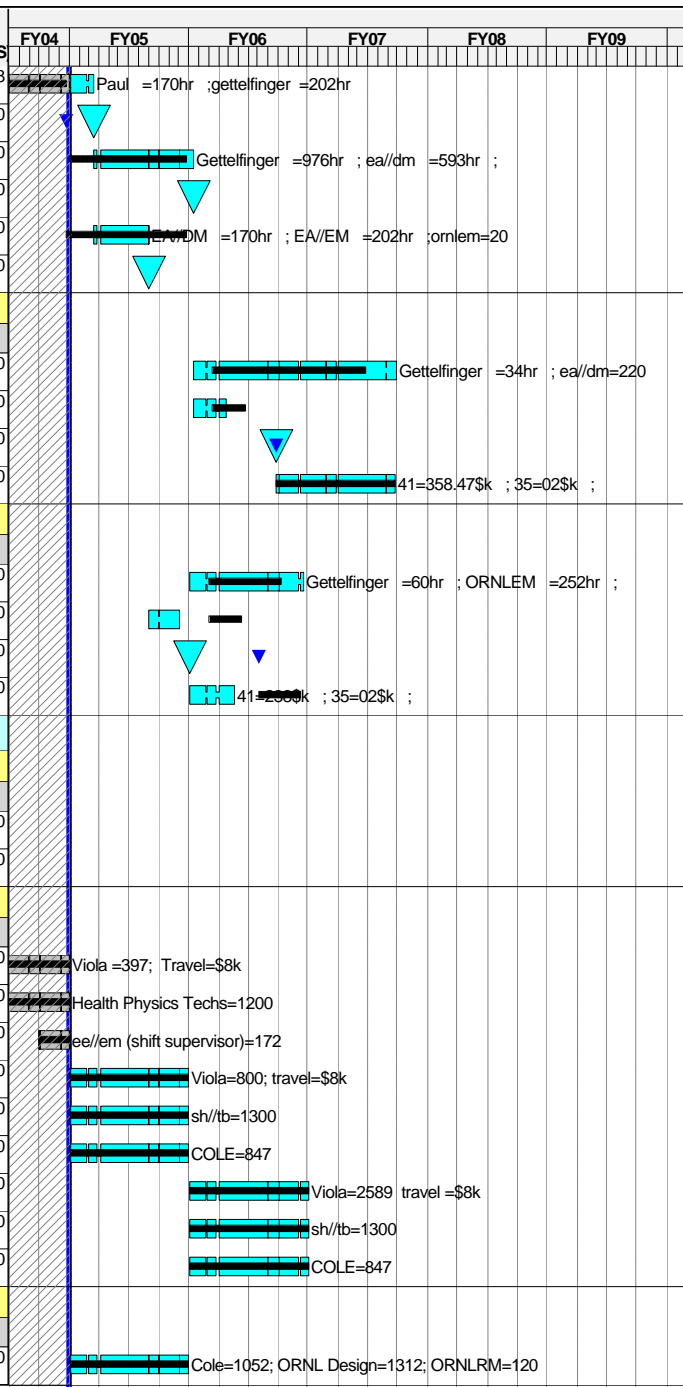
Oversight and Supervision

181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A		LOE	77,947.50	77,947.50	0.00						
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04A		LOE	115,320.00	115,320.00	0.00						
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A		LOE	25,920.40	25,920.40	0.00						
181.110	PPPL EM LOE FY05	01OCT04*	249*	30SEP05	1,010		0.00	146,784.00	0.00						
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04*	249*	30SEP05	1,010		0.00	128,440.00	0.00						
181.310	ORNL EM LOE FY05	01OCT04*	249*	30SEP05	1,010		0.00	119,316.89	0.00						
181.120	PPPL EM LOE FY06	03OCT05*	250*	02OCT06	760		0.00	451,299.93	0.00						
181.220	HP Coverage in the TFTR TC LOE FY06	03OCT05*	250*	02OCT06	760		0.00	130,690.04	0.00						
181.320	ORNL EM LOE FY06	03OCT05*	250*	02OCT06	760		0.00	122,771.80	0.00						

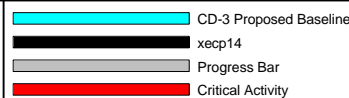
Job: 1803- FP Assy Tooling/Constructability-COLE

Tooling Design & Fabrication

713A.010	>>>> Design Tooling ECP 9	01OCT04*	247*	28SEP05	1,012	LOE	0.00	354,716.75	0.00						
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Run Date 12OCT04 15:20



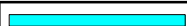



0409 NCSX Sheet 29 of 50

CD-3 Baseline ECP14
Status thru 9/30/04

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
713A.010A	FP Assy Tooling Rqmnts&Constructability Peer Rvw		0	31MAR04A			0.00	0.00	0.00						
713.010B	Tooling & Constructability FDR		0	04JAN05*	313		0.00	0.00	0.00						
713A.032	Fabricate-TF Coil sub-assy frame/manipulator	18MAR05*	195	22DEC05	331		0.00	10,366.40	0.00						
713A.030	Fabricate-VV supporting fixture (3)	20APR05*	199	07FEB06	238		0.00	97,311.56	0.00						
713A.031	Fabricate-Modular Coil sub-assy frame/manip/fixt	03JUN05*	195	16MAR06	270		0.00	209,203.40	0.00						
713A.033	Fabricate-Full FP support fixture (3)	03JUN05*	195	16MAR06	285		0.00	9,745.50	0.00						
713A.034	Fabricate-VV port welding fixtures	29JUL05*	195	10MAY06	860		0.00	13,020.00	0.00						
713A.040	General procurements	01OCT04*	498*	29SEP06	761		0.00	25,970.00	0.00						
713A.050	Welding tools, materials & equip	01OCT04*	498*	29SEP06	761		0.00	58,432.50	0.00						
713A.020	Lab Fab/Assy/Installation	25FEB05*	403*	02OCT06	760		0.00	349,167.95	0.00						
713A.060	Instl He gas piping from NSTX to D-site tc	03OCT05*	85	08FEB06	925		0.00	41,464.00	0.00						
Tooling R&D															
713A.011	>>>> Tooling R&D-Design VV/MCWF Mockups ECP 9	01OCT04	0		0		0.00	0.00	0.00						
713A.012	>>>> Tooling R&D-Procure VV & MCWF Mockups ECP 9	01OCT04	0		0		0.00	0.00	0.00						
713A.013	>>> Tooling R&D-Inspect & assy trails ecp 9 repro	08AUG05*	65	07NOV05	984		0.00	47,820.00	0.00						
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS															
Metrology															
740.010	Final Design Measurement systems	19JAN04A	181*	30SEP04A		LOE	69,422.40	69,422.40	0.00						
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A			0.00	0.00	0.00						
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A			0.00	0.00	0.00						
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10*	30APR04A		100	171,990.00	171,990.00	0.00						
740.030A	Romer Arm Training	06JUL04A	3*	08JUL04A		100	0.00	0.00	0.00						
740.031	Metrology Software Review		0	30JAN04A			0.00	0.00	0.00						
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A			0.00	0.00	0.00						
740.035	Deliver Metrology Software	01OCT04*	53	16DEC04	1,206		0.00	58,075.40	0.00						
740.020	Faculty Prep	03OCT05*	95	22FEB06	301		0.00	60,384.40	0.00						
740.045	Purchase- second Faro Arm (was under WBS 14)	01OCT04*	102	04MAR05	1,157		0.00	71,060.00	0.00						
740.050	Purchase- targets [A/9]	01JUL05*	130	12JAN06	944		0.00	32,300.00	0.00						
1808 - TF/Mod Coil Sub-Assembly-VIOLA															
Modular Coil Sub-assembly															
184-200	Mount/align right mod coil in fixture-Period #1	28SEP06	15	18OCT06	134		0.00	50,576.80	0.00						
184-205	Mount/align left mod coil in fixture-Period #1	23OCT06	12	07NOV06	112		0.00	41,990.40	0.00						
184-210	Mount/align right mod coil in fixture-Period #2	06NOV06	12	21NOV06	132		0.00	41,990.40	0.00						
184-215	Mount/align left mod coil in fixture-Period #2	30NOV06	12	15DEC06	107		0.00	41,990.40	0.00						
184-220	Mount/align right mod coil in fixture-Period #3	12DEC06	12	04JAN07	129		0.00	41,990.40	0.00						
184-225	Mount/align left mod coil in fixture-Period #3	11JAN07	12	26JAN07	104		0.00	41,990.40	0.00						

Run Date 12OCT04 15:20

 CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 30 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
P3-191	>>> Position&weld port assemblies (Add'l ECP 8)	07MAR07	15	27MAR07	104		0.00	26,788.00	0.00						
P3-201	Leak chck & Bakeout vessel to 150 degrees C6	28MAR07	7	05APR07	104		0.00	0.00	0.00						
P3-211	vacuum leak check & Instl Trim coil	06APR07	25	10MAY07	104		0.00	0.00	0.00						
P3-221	Prepare field period for shipment	11MAY07	5	17MAY07	104		0.00	0.00	0.00						
P3-231	Ship 3rd. Field Period	18MAY07	3	22MAY07	104		0.00	0.00	0.00						
P3-241	3rd. Period ready for installation	23MAY07	1	23MAY07	104		0.00	0.00	0.00						
P3-241.1	Last Field Period Assembled		0	23MAY07	104		0.00	0.00	0.00						

P1-180A	cd-4 350c increment	06MAR06	109	07AUG06	799		0.00	38,544.00	0.00						
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19 - Stellarator Core Management and Integration

Job: 1901 - Stellarator Core Mngtt&Integr-NELSON

FY03 Actual Cost

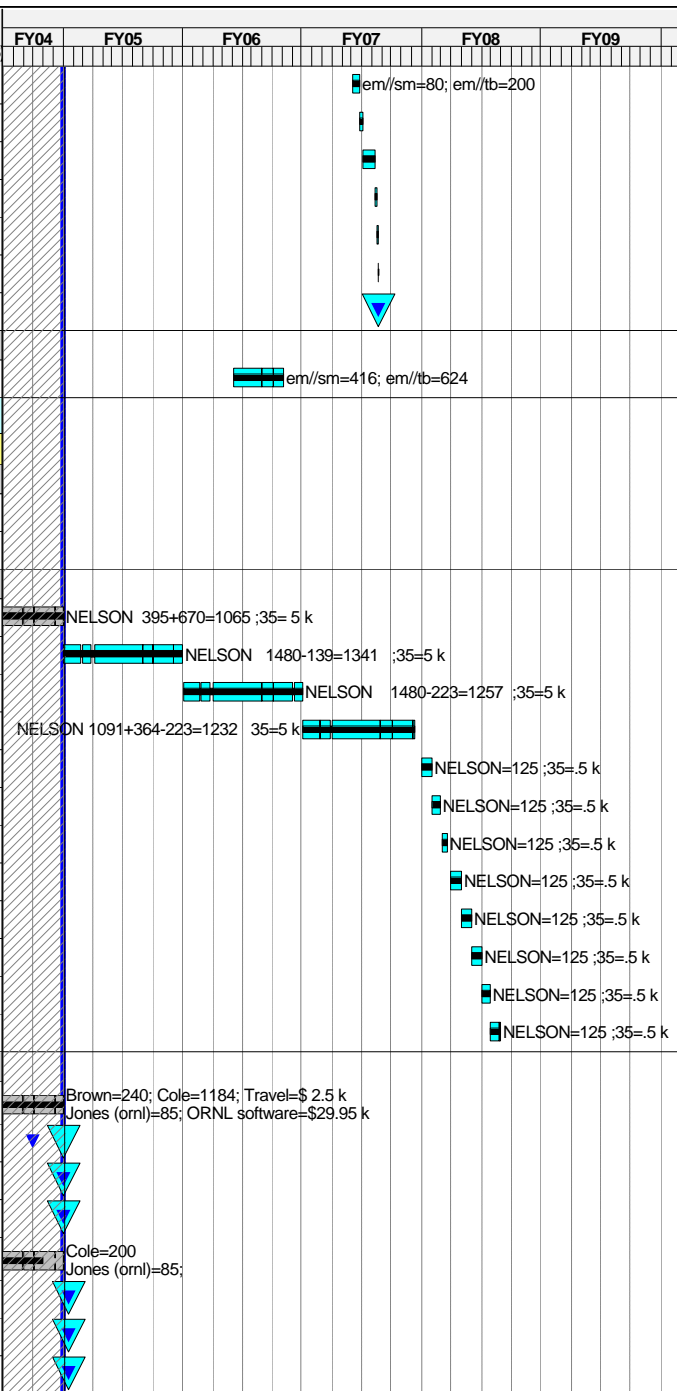
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A		100	187,090.00	187,090.00	0.00						
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	248	30SEP03A		100	67,070.00	67,070.00	0.00						

191 - Stellarator Core Management & Oversight

191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	250'	30SEP04A		LOE	145,699.85	145,699.85	0.00						
0191-5	LOE-FY05 WBS 191	01OCT04*	249'	30SEP05	1,010	LOE	0.00	197,596.67	0.00						
0191-6	LOE-FY06 WBS 191	03OCT05*	250'	02OCT06	526	LOE	0.00	190,877.89	0.00						
0191-6X	LOE-FY07 WBS 191	03OCT06*	234	10SEP07	526	LOE	0.00	199,716.12	0.00						
0191-91	LOE-FY06 WBS 191 1 mo SO	01OCT07*	22	30OCT07	346	LOE	0.00	20,250.00	0.00						
0191-92	LOE-FY06 WBS 191 1 mo SO	31OCT07*	21	28NOV07	346	LOE	0.00	20,250.00	0.00						
0191-93	LOE-FY06 WBS 191 1 mo SO	03DEC07*	15	21DEC07	346	LOE	0.00	20,250.00	0.00						
0191-94	LOE-FY06 WBS 191 1 mo SO	01JAN08*	22	30JAN08	346	LOE	0.00	20,250.00	0.00						
0191-95	LOE-FY06 WBS 191 1 mo SO	31JAN08*	22	29FEB08	346	LOE	0.00	20,250.00	0.00						
0191-96	LOE-FY06 WBS 191 1 mo SO	03MAR08*	22	01APR08	346	LOE	0.00	20,250.00	0.00						
0191-97	LOE-FY06 WBS 191 1 mo SO	02APR08*	21	30APR08	346	LOE	0.00	20,250.00	0.00						
0191-98	LOE-FY06 WBS 191 1 mo SO	01MAY08*	21	30MAY08	346	LOE	0.00	20,250.00	0.00						

192 - Stellarator Core Integration & Analysis

192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	250'	30SEP04A		LOE	237,358.09	237,358.09	0.00						
192-4.1	Self consistent models/dwgs f/ Mod Coil & VV FDR		0	30SEP04*	1,259	100	0.00	0.00	0.00						
192-4.2	Self consistent models/dwgs Conv Coils&sprt strc		0	30SEP04*	1,259		0.00	0.00	0.00						
192-4.4	Stellarator Core Assy dwgs & assy sequence		0	30SEP04*	1,259		0.00	0.00	0.00						
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	250'	30SEP04A		LOE	36,676.65	36,676.65	0.00						
192-5.1	VV Helium Line Models		0	15OCT04*	1,248		0.00	0.00	0.00						
192-5.2	Mod Coil LN2 Lines Layouts		0	15OCT04*	1,248		0.00	0.00	0.00						
192-5.3	Mod Coil Leads Layouts		0	15OCT04*	1,248		0.00	0.00	0.00						



Run Date 12OCT04 15:20

- CD-3 Proposed Baseline
- xecp14
- Progress Bar
- Critical Activity

0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 32 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04 FY05 FY06 FY07 FY08 FY09								
										Gantt Chart								
192-5.4	PF Coil Leads & Services Layouts		0	15OCT04*	1,248		0.00	0.00	0.00	[Gantt bar]								
192-5.5	TF Coil leads & Services Layouts		0	15OCT04*	1,248		0.00	0.00	0.00	[Gantt bar]								
192-5.6	External Trim Coil Leads /services Layouts		0	15OCT04*	1,248		0.00	0.00	0.00	[Gantt bar]								
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	271	30SEP04A		LOE	44,031.80	44,031.80	0.00	[Gantt bar] Zatz=0; Brooks=274								
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	173	01NOV04	1,261	95	18,319.80	19,284.00	-964.20	[Gantt bar] brooks=120								
192-6.02	Check critical coil tolerance calculations.	01APR04A	169	30NOV04	1,242	50	5,147.60	10,295.20	-5,147.60	[Gantt bar] Strickler=80								
192-6.03	Method for determining current center	01FEB04A	182	15OCT04	1,272	80	70,379.34	82,538.28	-10,281.55	[Gantt bar] Hirshman=180, Strickler=220; orlem=240								
192-6.06	Coil positions to minimize islands.	02FEB04A	193	01NOV04	1,261	70	43,239.84	61,771.20	-18,531.36	[Gantt bar] Hirshman=180, Strickler=300								
192-6.07	Time constant calcs using SPARK	01APR04A	42	28MAY04A		100	6,428.00	6,428.00	0.00	[Gantt bar] Brooks=40								
192-6.08	Indep check time constant calcs using EDDYCUFF	01MAY04A	138	30SEP04A		100	10,295.20	10,295.20	2,387.29	[Gantt bar] Strickler=80								
192-6.09	Revised VV geometry	02FEB04A	6	27FEB04A		100	3,214.00	3,214.00	0.00	[Gantt bar]								
192-6.10	MC interf during assy, geometry, assy trajecto	02FEB04A	31	27FEB04A		100	34,073.60	34,073.60	0.00	[Gantt bar]								
192-6.11	Range of motion reqts for Assly MC fixture.	02FEB04A	20	27FEB04A		100	18,003.60	18,003.60	0.00	[Gantt bar]								
192-6.12	Final Check & Verification	01MAY04A	6	28MAY04A		100	3,856.80	3,856.80	0.00	[Gantt bar] brooks=24								
192-6.5	Structural Design criteria		0	28MAY04A		100	0.00	0.00	0.00	[Gantt bar]								
192-6.2	Final Mod Coil Trajectories		0	27FEB04A			0.00	0.00	0.00	[Gantt bar]								
192-6.3	Best fit for mod coil assy on winding measuremen		0	15OCT04*	1,248		0.00	0.00	0.00	[Gantt bar]								
0192-5	LOE-FY05 WBS 192	01OCT04*	249	30SEP05	1,010	LOE	0.00	355,656.15	0.00	[Gantt bar] Cole/orlem= 2269 ornlm&s=\$29.95 ;35= 5 k								
0192-6	LOE-FY06 WBS 192	03OCT05*	250	02OCT06	518	LOE	0.00	165,946.13	0.00	[Gantt bar] Cole=1184-292=892 ornlm&s=\$29.95 35= 5 k								
0192-6X	LOE-FY06 WBS 192	03OCT06*	242	20SEP07	518	LOE	0.00	135,038.20	0.00	[Gantt bar] Cole=872+291-563=600 ornlm&s=\$29.95 35= 5 k								
0192-91	LOE-F1 mo SO	01OCT07*	22	30OCT07	338	LOE	0.00	16,018.04	0.00	[Gantt bar] COLE=100; orn135=.5								
0192-92	LOE-F1 mo SO	31OCT07*	22	03DEC07	338	LOE	0.00	16,018.04	0.00	[Gantt bar] COLE=100; orn135=.5								
0192-93	LOE-F1 mo SO	04DEC07*	22	10JAN08	338	LOE	0.00	16,018.04	0.00	[Gantt bar] COLE=100; orn135=.5								
0192-94	LOE-F1 mo SO	11JAN08*	22	11FEB08	338	LOE	0.00	16,018.04	0.00	[Gantt bar] COLE=100; orn135=.5								
0192-95	LOE-F1 mo SO	12FEB08*	22	12MAR08	338	LOE	0.00	16,018.04	0.00	[Gantt bar] COLE=100; orn135=.5								
0192-96	LOE-F1 mo SO	13MAR08*	22	11APR08	338	LOE	0.00	16,018.04	0.00	[Gantt bar] COLE=100; orn135=.5								
0192-97	LOE-F1 mo SO	14APR08*	21	12MAY08	338	LOE	0.00	16,018.04	0.00	[Gantt bar] COLE=100; orn135=.5								
0192-98	LOE-F1 mo SO	13MAY08*	21	11JUN08	338	LOE	0.00	16,018.04	0.00	[Gantt bar] COLE=100; orn135=.5								

2 - Plasma Heating, Fueling & Vac Systems

21 - Fueling Systems

21-10	Eng. Work Planning and Design	03OCT05*	65	05JAN06	334		0.00	13,512.00	0.00	[Gantt bar]								
21-15	Design Gas Handling Hardware	06JAN06	65	06APR06	334		0.00	6,606.00	0.00	[Gantt bar]								
21-20	Design PLC Controls	06JAN06*	65	06APR06	334		0.00	17,968.00	0.00	[Gantt bar]								

■ Blanchard =80hr ;

 ■ EM/SM =60hr ;

 ■ EE/SM =160hr ;

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 33 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
21-25	Electrical Drafting for pumping system	06JAN06*	65	06APR06	334		0.00	13,200.00	0.00						
21-30	Drafting	06JAN06*	65	06APR06	334		0.00	8,800.00	0.00			EA/DM =120hr ;			
21-35	Eng. Work Planning and Design during fab	02OCT06*	65	04JAN07	210		0.00	3,638.00	0.00			EA/DM =80hr ;			
21-40	Fabrication/Install Hardware	02OCT06*	65	04JAN07	210		0.00	7,116.00	0.00			Blanchard =20hr ;			
21-45	Fabrication/installation	02OCT06*	65	04JAN07	210		0.00	53,477.20	0.00			EM//SM =60hr ;			
21-55	Install PLC Controls	02OCT06*	65	04JAN07	210		0.00	9,672.00	0.00			EM//SM =150hr ; EM//TB =200hr ;			
21-60	Integrated Systems Testing/Eng	02OCT06*	65	04JAN07	210		0.00	3,638.00	0.00			41=14\$;			
21-65	Integrated Systems Testing/Tech Support	05JAN07*	45	08MAR07	210		0.00	2,418.00	0.00			EE//SM =80hr ;			
												Blanchard =20hr ;			
												EE//SM =20hr ;			

22 - Torus Vacuum Pumping Systems

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

FY03 Actual Cost

2001-001	Apr-May MIE Cost	01APR03A	43	30MAY03A		100	35,300.00	35,300.00	0.00
2001-100	PDR Support	01JUN03A	164	30SEP03A		LOE	24,896.00	24,896.00	0.00

22-25	Eng. Work Planning and Design	03OCT05*	65	05JAN06	234		0.00	25,698.00	0.00			Blanchard =100hr ; EM//SM =80hr ;			
22-30	Design PLC based control system	06JAN06*	65	06APR06	299		0.00	35,936.00	0.00			EE//SM =320hr ;			
22-35	Electrical Drafting for pumping system	06JAN06*	65	06APR06	299		0.00	23,100.00	0.00			EA/DM =210hr ;			
22-40	Drafting	06JAN06*	65	06APR06	234		0.00	17,600.00	0.00			EA/DM =160hr ;			
22-45	Eng. Work Planning and Design during fab	07APR06*	65	10JUL06	234		0.00	15,201.00	0.00			Blanchard =90hr ;			
22-50	Perform maint. & repair of pmpg sys	07APR06*	65	10JUL06	234		0.00	8,808.00	0.00			EM//SM =80hr ;			
22-55	Repair and Calibration of vac instrumentation	02OCT06*	100	22FEB07	175		0.00	9,488.00	0.00			EM//SM =80hr ;			
22-60	Fabrication/installation	02OCT06*	100	22FEB07	175		0.00	117,336.00	0.00			EM//SM =450hr ; EM//TB =380hr ;			
22-65	Fab PLC conrols	02OCT06*	100	22FEB07	175		0.00	62,608.00	0.00			41=23\$;			
22-70	Integrated Systems Testing/Eng	23FEB07*	45	26APR07	175		0.00	7,276.00	0.00			EE//SM =160hr ; 41=32\$;			
22-75	Integrated Systems Testing/Tech Support	23FEB07*	45	26APR07	175		0.00	4,836.00	0.00			Blanchard =40hr ;			
												EE//SM =40hr ;			

25 - Neutral Beam Injection System

Job: 2501 - Neutral Beam Refurbishment-STEVENSON

FY03 Actual Cost

2501-001	Apr-Sept MIE Cost	01APR03A	43	30SEP03A		100	146,310.00	146,310.00	0.00
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FY04 Work Plan

2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A			81,371.26	81,853.50	-482.24
2501-014.1	FY04 work closeout *TBD*	01JUL04A	64	30SEP04A		LOE	49,247.90	49,247.90	0.00





Refurbishment**CD-3 deleted scope

25-099	FY04 work accomplished	01MAR04A	846	30JUN04A			21,771.60	44,652.60	-22,881.00
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Re-Install Beamline**CD-3 deleted scope

25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699	30JUN04A			2,076.05	2,586.20	-510.15
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Run Date 12OCT04 15:20

	CD-3 Proposed Baseline
	xecp14
	Progress Bar
	Critical Activity










0409




NCSX
CD-3 Baseline ECP14
Status thru 9/30/04






Sheet 34 of 50

FY04 Closeout





Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var [BCWP - BCWS]	FY04	FY05	FY06	FY07	FY08	FY09
Re-Install Cables**CD-3 deleted scope															
25-225.1	Cabling-Design & W/P Procedures	01APR04A	872*	30JUN04A			4,845.00	4,845.00	0.00						
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A			736.80	736.80	0.00						
Beamline Connections**CD-3 deleted scope															
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A			2,524.80	2,524.80	0.00						
3 - Diagnostics															
31 - Magnetic Diagnostics															
310-010	Design Mag Diagnostics	03OCT05*	94	21FEB06	237		0.00	44,460.00	0.00						
310-015	Fabricate & Install Magnetics on Vessel	17MAR06	108	17AUG06	220		0.00	140,205.50	0.00						
310-020	Design other ex-vessel sensors	03OCT05*	85	08FEB06	206		0.00	156,050.00	0.00						
310-025	Fab & Install other ex-vessel sensors on coils	21APR06*	105	19SEP06	155		0.00	78,406.05	0.00						
310-030	Design & FabMagnetic integrators	09FEB06*	94	21JUN06	217		0.00	36,491.65	0.00						
36 - Edge and Divertor Diagnostics															
361-001	Design Visible Camera sys	02OCT06*	40	28NOV06	140		0.00	11,949.20	0.00						
361-015	Fab/Assy/Installation Visible Camera	09JAN07*	130	11JUL07	117		0.00	31,379.80	0.00						
38 - Electron Beam (EB) Mapping															
380-010	Designe-Beam Probe,Fluor. Screen	02OCT06*	40	28NOV06	168		0.00	45,361.00	0.00						
380-015	Fab & Install Beam probe	16FEB07*	102	11JUL07	117		0.00	249,952.00	0.00						
39 - Diagnostics Integration															
Job: 3901 - Diagnostics sys Integration-JOHNSON															
FY03 Actual Cost															
390-001	LOE Support FY03	01APR03A	151*	30SEP03A	100		155,450.00	155,450.00	0.00						
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A	100		0.00	0.00	0.00						
390-110	Resolve port interferences.Final port config		0	30JUN04A	100		0.00	0.00	0.00						
390-120	Update port map&revise diag port assignments		0	30SEP04*	1,259	90	0.00	0.00	0.00						
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	30SEP04*	1,259	100	0.00	0.00	0.00						
390-140	Write ICD's-Define external space for diagnostic		0	30SEP04*	1,259	50	0.00	0.00	0.00						
390-150	Write ICD's-Define space f/racks in cntrl rm		0	30SEP04*	1,259	50	0.00	0.00	0.00						
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A	100		0.00	0.00	0.00						

 R//RM2 =108hr ; EE//EM =176hr ;
 41=19\$
 EE//EM =215hr ; EE//SM =725hr ;
 R//RM2 =20hr ; EE//EM =580hr ;
 EA//DM =560hr ;
 EE//EM =72hr ; EM//SM =472hr ;
 41=12\$
 41=11\$; EE//EM =40hr ;
 EE//SM =127hr ; EE//TB =24hr ;

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

 R//RM2 =70hr ; EM//EM =120hr ;
 EA//DM =100hr ;
 R//RM2 =160hr ; EE//EM =60hr ;
 EM//EM =160hr ; EE//SM =80hr ;
 EM//SM =170hr ; 41=114\$;

Run Date 12OCT04 15:20





 CD-3 Proposed Baseline
 xcep14
 Progress Bar
 Critical Activity

0409 NCSX Sheet 35 of 50
CD-3 Baseline ECP14
Status thru 9/30/04

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04 FY05 FY06 FY07 FY08 FY09											
										Gantt Chart											
390-170	Develop space envelopes for SXR		0	30SEP04*	1,259	70	0.00	0.00	0.00	Stratton =215hr ; Johnson=215											
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	30SEP04*	1,259		0.00	0.00	0.00												
390-010	LOE Support FY04	01OCT03A	250'	30SEP04A		LOE	78,023.50	78,023.50	0.00												
390-015	LOE Support FY05 **reduced scope	01OCT04*	249'	30SEP05	1,010		0.00	66,038.70	0.00	R//RM2 =17hr ; EM/EM =0 EA/DM =0 ; r//rm3=177											
390-020	LOE Support FY06 **reduced scope	03OCT05*	249'	29SEP06	761		0.00	67,171.50	0.00	R//RM2 =177hr ; EM/EM =0 EA/DM =0 ; r//rm3=177											
390-025	LOE Support FY07 ** eliminated as part of MIE	02OCT06*	122'	30MAR07	639		0.00	0.00	0.00												
4 - Electrical Power Systems																					
41 - AC Power																					
Job: 4101 - AC Power-RAMAKRISHNAN																					
411 - Auxiliary AC Power Systems																					
4101-100	Prepare Preliminary One line diagram	01MAR04A	173'	01NOV04	1,237	90	8,496.72	9,440.80	-944.08	vankirk =16hr ; raki =24hr ; ee//sm=16; ee//tb=32											
411-1-2	fEx-Test Cell AC Power Dist-Dsn	01OCT04*	92'	18FEB05	476		0.00	19,761.90	0.00	VANKIRK =104hr ; Raki =55hr ;											
411-1-4	Ex-Test Cell AC Power Dist-Procure	07OCT05*	185'	06JUL06	370		0.00	11,745.00	0.00	41=09\$K ;											
411-1-6	Ex-Test Cell AC Power Dist-Install	03OCT05*	240'	18SEP06	319		0.00	51,769.40	0.00	EE//EM =120hr ; EE//SM =146hr ; EE//TB =208hr ;											
411-1-8	Ex-Test Cell AC Power Dist-Commission	02OCT06*	100'	28FEB07	210		0.00	46,568.00	0.00	EE//EM =80hr ; EE//SM =80hr ; EE//TB =160hr ;											
411-2-2	Grounding-Dsn	01OCT04*	220'	19AUG05	416		0.00	29,688.00	0.00	VANKIRK =160hr ; Raki =80hr ;											
411-2-4	Grounding-Procure	03OCT05*	107'	10MAR06	452		0.00	6,525.00	0.00	41=05\$K ;											
411-2-6	Grounding-Install	13OCT05*	172'	22JUN06	379		0.00	55,912.00	0.00	EE//EM =80hr ; EE//SM =160hr ; EE//TB =320hr ;											
411-2-8	Grounding-Commission	10FEB06*	100'	30JUN06	373		0.00	17,128.00	0.00	EE//EM =40hr ; EE//SM =40hr ; EE//TB =80hr ;											
411-3-2	Test Cell AC Power Distr-Dsn	01APR04A	186'	23DEC04	750	95	63,425.10	66,763.27	17,480.48	VANKIRK =400hr ; Raki =160hr ;											
411-3-4	Test Cell AC Power Distr-Procure(pnl's & xfmr's)	01JUN04A	144'	23DEC04	750	80	54,683.75	68,354.69	13,860.81	41=53\$K ;											
411-3-6	Test Cell AC Power Distr-Install	01JUN04A	144'	23DEC04	750	50	28,820.68	57,641.33	-5,604.00	EE//EM =80hr ; EE//SM =80hr ; POWERS EE//TB =480hr ;											
411-3-8	Test Cell AC Power Distr-Commission	21AUG06*	121'	16FEB07	218		0.00	30,926.44	0.00	EE//EM =48hr ; EE//SM =80hr ; EE//TB =160hr ;											
411-4-2	Standby Power for Cryo Sys -Dsn	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00												
411-4-4	Standby Power for Cryo Sys -Procure	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00												
411-4-6	Standby Power for Cryo Sys -Install	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00												
412 - Experimental AC Power Systems																					
412-1-2	D-site Pulsed AC Power Distr-Dsn	04JAN05*	128'	01JUL05	411		0.00	10,520.00	0.00	VANKIRK =40hr ; Raki =40hr ;											
412-1-4	D-site Pulsed AC Power Distr-Procure	05JUL05	125'	06JAN06	411		0.00	6,492.24	0.00	41=05\$K ;											
412-1-6	D-site Pulsed AC Power Distr-Install	14SEP05	75'	06JAN06	467		0.00	15,996.88	0.00	EE//EM =16hr ; EE//SM =64hr ; EE//TB =80hr ;											
412-1-8	D-site Pulsed AC Power Distr-Commission	09JAN06	56'	27MAR06	411		0.00	9,643.20	0.00	EE//EM =24hr ; EE//SM =24hr ; EE//TB =40hr ;											

Run Date 12OCT04 15:20

 CD-3 Proposed Baseline
 xcep14
 Progress Bar
 Critical Activity

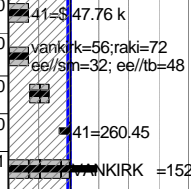
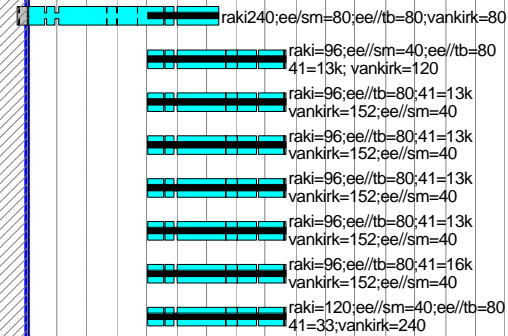
0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 36 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var [BCWP - BCWS]	FY04	FY05	FY06	FY07	FY08	FY09
42 - AC/DC Converters															
422 - D-Site AC/DC Converters															
422-1-8	Transrex power supplies Reactivation	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
43 - DC Systems															
Job: 4301 - DC Systems-RAMAKRISHNAN															
FY03 Actual Cost															
4301-001	Apr-Sept MIE Cost	01APR03A	43'	30SEP03A		100	2,390.00	2,390.00	0.00						
431 - C-Site DC Systems															
4301-100	Prel Design link box & physical details,location	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
4301-104	clear EF/OH bldg of stored hardware	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
431-1-2	Coil DC Cabling to link box (PCTB)-Dsn	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
431-1-4	Coil DC Cabling to link box(PCTB)-Procure	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
431-1-6	Coil DC Cabling to (PCTB)-Install	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
431-2-2	DC Cabling to Coils in TC-Dsn	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
431-2-4	DC Cabling to Coils in TC-Procure	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
431-2-6	DC Cabling to Coils in TC-Install	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
431-C-105	MG bus changes	01SEP04A	419'	09MAY06	861		3,058.60	61,171.98	3,058.60						
431-C-110	Robicon Supply R20 Design & Install	03OCT05*	292'	01DEC06	718		0.00	56,648.18	0.00						
431-C-115	Robicon Supply R10 Design & Install	03OCT05*	292'	01DEC06	718		0.00	60,208.23	0.00						
431-C-120	Robicon Supply R5/1 Design & Install	03OCT05*	292'	01DEC06	718		0.00	60,208.23	0.00						
431-C-125	Robicon Supply R5/2 Design & Install	03OCT05*	292'	01DEC06	718		0.00	60,208.23	0.00						
431-C-130	Robicon Supply R25/3 Design & Install	03OCT05*	292'	01DEC06	718		0.00	60,208.23	0.00						
431-C-135	Robicon Supply R5/4 Design & Install	03OCT05*	292'	01DEC06	718		0.00	64,143.99	0.00						
431-C-139	UCLA Supply Design & Install	03OCT05*	292'	01DEC06	718		0.00	100,059.92	0.00						
432 - D to C-Site DC Systems															
432-100	Prepare Tower SOW and IP for BOA design	03NOV03A	10'	26NOV03A		100	6,141.60	6,141.60	0.00						
432-105	BOA design tower supports	12DEC03A	114'	28MAY04A		100	73,955.70	73,955.70	0.00						
432-110	Prep SOW and Requisition for tower installation	01APR04A	42'	28MAY04A		100	23,812.00	23,812.00	0.00						
432-115	Bid & Award Tower& external trays Installation	01JUN04A	42'	30JUL04A		100	0.00	0.00	0.00						
432-120	Install Tower Supports &external trays CANCELLED	30SEP04A	2'	30SEP04A		100	331,813.30	331,813.30	0.00						
432-1-2	DC Cabling-Dsn	01MAR04A	209'	30SEP04A		100	28,046.40	28,046.40	7,783.21						
432-1-4.0	Prepare SOW & Requisition for 1000MCM 5kv Cable	01APR04A	30	28MAY04A		100	0.00	0.00	0.00						
432-1-4.1	Bid & Award - Cable	01JUN04A	29'	12JUL04A		100	0.00	0.00	0.00						
432-1-4.2	Cable Delivery CANCELLED	20AUG04A	0	20AUG04A			0.00	0.00	0.00						
432-1-4.4	Prepare SOW & Requisition for Cable Installation	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						



Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409 NCSX Sheet 37 of 50

**CD-3 Baseline ECP14
Status thru 9/30/04**

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04 FY05 FY06 FY07 FY08 FY09														
										Gantt Chart Area														
432-1-4.5	Bid & Award Cable Installation	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
432-1-4.7	Procure trays	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
432-1-4.8	Install Trays	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
432-1-4.6	S/C Install Cable [A/1]	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
432-1-6	DC Cabling-Installation Support	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433 - D-Site DC Systems																								
433-1-2	DC Cabling-Dsn	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433-1-4	DC Cabling-Procure	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433-1-6	DC Cabling-Install	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433-2-4.0	Design Isolation switch	01APR04A	64'	30JUN04A		100	6,710.60	6,710.60	0.00	raki=26; ee//sm=26														
433-2-4.1	Prep Spec and Requisition for Isolation Switch	01APR04A	30	30JUN04A		100	6,710.60	6,710.60	0.00	raki=26; ee//sm=26														
433-2-4.2	Bid & Award Isolation Switch	01JUN04A	86'	30SEP04A		100	0.00	0.00	0.00															
433-2-4.3	Deliver Isolation Switch	30SEP04A	0	30SEP04A		100	0.00	0.00	0.00															
433-2-4.4	Prep SOW and Requisition for IS installation	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433-2-4.5	Bid & Award IS Installation	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433-2-4.6	Install Isolation Switch	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433-3-2	NSTX OH PS changes-Dsn	01JUL04A	0	30SEP04	1,259		0.00	0.00	0.00															
433-3-6	NSTX OH PS changes-Install	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433-3-8	NSTX OH PS changes-Commission	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433-4-2	NSTX TF Power Supply changes-Dsn	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433-4-6	NSTX TF Power Supply changes-Install	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
433-4-8	NSTX TF Power Supply changes-Commission	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
44 - Control and protection Systems																								
Job: 4401 - Control & Protection-RAMAKRISHNAN																								
441 - Electrical Interlocks																								
441-1-2	C-site-Dsn interlock sys	01OCT04*	366	24MAR06	184		0.00	108,242.75	0.00	vankirk=480;raki=360														
441-1-4	C-site-Procure	30SEP05*	149	08MAY06	391		0.00	65,245.64	0.00	41=50k														
441-1-6	C-site-Install	27MAR06	238	08MAR07	184		0.00	156,937.26	0.00	raki=320;ee//sm=320;ee//tb=680;41=9k														
441-2-2	D-site-Dsn	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
441-2-4	D-site-Procure	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
441-2-6	D-site-Install	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
441-2-8	D-site-Commission	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
441-3-2	D-to-C-site-Dsn	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
441-3-4	D-to-C-site-Procure	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
441-3-6	D-to-C-site-Install	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															
441-3-8	D-to-C-site-Commission	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00															

Run Date 12OCT04 15:20

- CD-3 Proposed Baseline
- xecp14
- Progress Bar
- Critical Activity

0409





NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 38 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var [BCWP - BCWS]	FY04	FY05	FY06	FY07	FY08	FY09
442 - Kirk Key Interlocks															
442-1-2	Kirk Keys-Dsn	03OCT05*	41	30NOV05	380		0.00	15,100.00	0.00			EA/DM =80hr ; EE/EM =40hr ;			
442-1-4	Kirk Keys-Procure	24OCT05*	185	21JUL06	221		0.00	13,050.00	0.00			41=10\$k ;			
442-1-6	Kirk Keys-Install	24JUL06*	68	26OCT06	221		0.00	51,111.77	0.00			EE//EM =24hr ; EE//SM =40hr ; EE//TB =120hr ;			
442-1-8	Kirk Keys-Commission	27SEP06*	62	02JAN07	221		0.00	10,925.29	0.00			EE//EM =16hr ; EE//SM =40hr ; EE//TB =40hr ;			
443 - Real Time Control Systems															
443-1-2	Develop Control Algorithms-Dsn	21APR06*	142	09NOV06	221		0.00	12,799.32	0.00			EE//EM =80hr ;			
444 - Instrument Systems															
444-1-2	DC Current Transducers (DCCTs)-Dsn	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
444-1-4	DC Current Transducers (DCCTs)-Procure	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
444-1-6	DC Current Transducers (DCCTs)-Install	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
444-1-8	DC Current Transducers (DCCTs)-Commission	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
444-2-2	DC Potential Transducers (DCPTs)-Dsn	07OCT05*	95	28FEB06	210		0.00	30,200.00	0.00			EA/DM =160hr ; EE/EM =80hr ;			
444-2-4	DC Potential Transducers (DCPTs)-Procure	30SEP05*	207	31JUL06	283		0.00	7,829.62	0.00			41=6k ;			
444-2-6	DC Potential Transducers (DCPTs)-Install	01MAR06*	200	12DEC06	210		0.00	33,603.00	0.00			EE//EM =40hr ; EE//SM =40hr ; EE//TB =280hr ;			
444-2-8	DC Potential Transducers (DCPTs)-Commission	21JUL06*	120	17JAN07	210		0.00	16,697.40	0.00			EE//EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;			
444-3-2	DC Shunts-Dsn	01OCT04*	122	01APR05	506		0.00	14,844.00	0.00			VANKIRK =80hr ; Raki =40hr ;			
444-3-4	DC Shunts-Procure	29SEP05*	224	22AUG06	267		0.00	58,719.78	0.00			41=45\$k ;			
444-3-6	DC Shunts-Install	20MAR06*	130	20SEP06	267		0.00	50,999.20	0.00			EE//EM =32hr ; EE//SM =64hr ; EE//TB =160hr ; 41=20 kpowers			
444-3-8	DC Shunts-Commission	21SEP06*	65	22DEC06	222		0.00	17,077.81	0.00			EE//EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;			
444-4-2	Signal Conditioning & Cabling-Dsn	23SEP05*	99	20FEB06	286		0.00	52,846.67	0.00			EA/DM =80hr ; EE/EM =280hr ;			
444-4-4	Signal Conditioning & Cabling-Procure	13OCT05*	188	17JUL06	226		0.00	15,660.00	0.00			41=12\$k ;			
444-4-6	Signal Conditioning & Cabling-Install	16MAY06*	130	16NOV06	226		0.00	29,050.34	0.00			EE//EM =40hr ; EE//TB =280hr ;			
444-4-8	Signal Conditioning & Cabling-Commission	15SEP06*	65	18DEC06	226		0.00	21,559.32	0.00			EE//EM =80hr ; EE//SM =40hr ; EE//TB =40hr ;			
445 - Coil Protection Systems															
445-1-2	Ground Fault Protection-Dsn	01OCT04*	142	29APR05	373		0.00	63,120.00	0.00			VANKIRK =240hr ; Raki =240hr ;			
445-1-4	Ground Fault Protection-Procure	24NOV04*	187	26AUG05	290		0.00	23,256.00	0.00			41=18\$k ;			
445-1-6	Ground Fault Protection-Install	05OCT05*	223	25AUG06	264		0.00	31,088.00	0.00			EE//EM =80hr ; EE//SM =80hr ; EE//TB =120hr ;			
445-1-8	Ground Fault Protection-Commission	05OCT06*	65	15JAN07	212		0.00	12,028.80	0.00			EE//EM =32hr ; EE//SM =32hr ; EE//TB =32hr ;			
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	272	31MAR05	1,137	10	1,067.98	10,679.79	1,067.98			marsala=130			
445-2-1	Overload Protection & Cabling-Peer Review	01APR05	1	01APR05	1,137		0.00	0.00	0.00						
445-2-2	Overload Protection & Cabling-FinalDsn	05OCT05*	65	13JAN06	211		0.00	64,200.00	0.00			EA/DM =240hr ; EE/EM =240hr ;			

Run Date 12OCT04 15:20

 CD-3 Proposed Baseline
 xcep14
 Progress Bar
 Critical Activity

0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 39 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
445-2-4	Overload Protection & Cabling-Procure	30SEP05*	136	19APR06	264		0.00	46,976.56	0.00						
445-2-6	Overload Protection & Cabling-Install	16JAN06*	186	05OCT06	211		0.00	70,813.39	0.00						
445-2-8	Overload Protection & Cabling-Commission	09OCT06	65	17JAN07	210		0.00	44,704.80	0.00						
446 - Ground Fault Monitoing System															
446-1-2	GFMS-Dsn	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
446-1-4	GFMS-Procure/Fab/Install	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
45 - Power System Design and Integration															
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN															
FY03 Actual Cost															
4501-001	Apr-Sept MIE Cost	01APR03A	43'	30SEP03A		100	112,340.00	112,340.00	0.00						
451 - System Design & Interfaces															
451-100	Design Drawings	02FEB04A	193'	29OCT04A		100	24,017.30	24,017.30	0.00						
451-110	Calculations-FY04	01MAR04A	151'	30SEP04A		100	0.00	0.00	0.00						
451-0-1	C-Site Decision	30APR04A	0	30APR04A		100	0.00	0.00	0.00						
451-0-2	Develop SRD	01OCT04*	21	29OCT04	1,238		0.00	0.00	0.00						
451-7-20	FDR DC transmission		0	28MAY04A		100	0.00	0.00	0.00						
451-3-2	Dwgs,asbuilts -Elect Dsn	01OCT04*	747'	28SEP07	512		0.00	155,256.00	0.00						
451-2-1	CDR Power system -Dsn	01OCT04*	21'	29OCT04	1,238		0.00	42,080.00	-21,040.00						
451-2-2	PDR Power system -Dsn	01MAR05*	69'	06JUN05	1,092		0.00	42,080.00	0.00						
451-1-2	Calculations-Dsn	01OCT04*	498'	29SEP06	761		0.00	50,856.40	0.00						
451-4-2	FDR AC auxiliaries & grounding-Dsn	03OCT05*	45	06DEC05	965		0.00	10,700.00	0.00						
451-7-2	FDR DC transmission-Dsn	01MAY04A	0'	28MAY04A		100	10,236.00	10,236.00	0.00						
451-8-2	FDR D-Site -Cabling	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
451-6-2	FDR C-Site -Cabling	01OCT04*	45	06DEC04	1,214		0.00	31,560.00	0.00						
451-2-2.1	FDR C-Site	01OCT04*	65	12JAN05	1,194		0.00	31,560.00	0.00						
451-2-2.2	FDR D-Site	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
452 - Electrical Systems Support															
452-1-2	Diagnostics AC Power Distr-Dsn	11AUG05*	108'	20JAN06	230		0.00	82,525.34	0.00						
452-1-4	Diagnostics AC Power Distr-Procure	05OCT05*	248	02OCT06	269		0.00	1,305.19	0.00						
452-1-6	Diagnostics AC Power Distr-Install	23JAN06	217	28NOV06	230		0.00	73,298.36	0.00						
452-1-8	Diagnostics AC Power Distr-Commission	23OCT06*	65	31JAN07	230		0.00	30,108.00	0.00						
452-2-2	Diagnostics sensor cabling-Dsn	11AUG05*	97'	05JAN06	328		0.00	23,748.58	0.00						
452-2-4	Diagnostics sensor cabling-Procure	05OCT05*	240	20SEP06	277		0.00	2,610.00	0.00						
452-2-6	Diagnostics sensor cabling-Install	30MAY06*	130	01DEC06	227		0.00	20,556.31	0.00						

Run Date 12OCT04 15:20

CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409





NCSX
 CD-3 Baseline ECP14
 Status thru 9/30/04

Sheet 40 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var [BCWP - BCWS]	FY04	FY05	FY06	FY07	FY08	FY09
613 - Vacuum Pumping System															
623.011	Design WBS 612	01JUN06*	118	15NOV06	224		0.00	22,793.02	0.00						
632.021	WBS 612 Assembly/Fabrication/Installation	13DEC06*	40	14FEB07	207		0.00	67,180.00	0.00						
614 - Bakeout Water System															
625.001	WBS 614 Preliminary design	03OCT05*	58	23DEC05	850		0.00	12,178.00	0.00						
625.011	WBS 614 Final Design	03JAN06	62	29MAR06	850		0.00	12,178.00	0.00						
625.021	WBS 614 Assembly/Fabrication	24AUG06	40	19OCT06	747		0.00	13,573.22	0.00						
62 - Cryogenic Systems															
621 - LN2-LHe Supply System															
631-001	Preliminary Design	02OCT06*	65	10JAN07	135		0.00	16,189.10	0.00						
631-010	Final Design**reduced scope	11JAN07	65	11APR07	135		0.00	18,085.10	0.00						
631-015	Fab/Assy/Installation**reduced scope	08JUN07*	65	10SEP07	135		0.00	72,233.00	0.00						
631-020	Procurement **reduced scope	12APR07*	88	15AUG07	135		0.00	118,435.20	0.00						
622 - LN2 Coil Cooling Supply															
632-001	Preliminary Design**deleted scope	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
632-010	Final Design**deleted scope	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
632-015	Fab/Assy/Installation**deleted scope	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
632-020	Procurement**deleted scope	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
623 - GN2 Cryostat Cooling System															
633-001	Preliminary Design	05SEP06*	65	06DEC06	129		0.00	15,850.90	0.00						
633-010	Final Design	07DEC06	65	15MAR07	129		0.00	25,669.10	0.00						
633-015	Fab/Assy/Installation	15MAY07*	88	18SEP07	129		0.00	72,933.10	0.00						
633-020	Procurement	16MAR07*	130	18SEP07	129		0.00	108,092.40	0.00						
63 - Utility Systems															
Job: 6163 - Facility Systems Support FY04															
640.010	FY04/05 LOE support	06OCT04*	489	21SEP06	767		0.00	16,749.14	0.00						
640.011 Design GN2, Air & Vent Systems															
640.011	Design GN2, Air & Vent Systems	02OCT06*	117	23MAR07	153		0.00	33,512.00	0.00						
640.021	Assembly/Fabrication	26MAR07*	40	18MAY07	153		0.00	72,413.80	0.00						
64 - PFC/VV Heating & Cooling*ELIMINATED*															
650.001 Preliminary Design															
650.001	Preliminary Design	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
650.005 Final Design															
650.005	Final Design	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00						
650.010 Lab Fab/Assy/Installation/Test															
650.010	Lab Fab/Assy/Installation/Test	20OCT06	0	19OCT06	747		0.00	0.00	0.00						

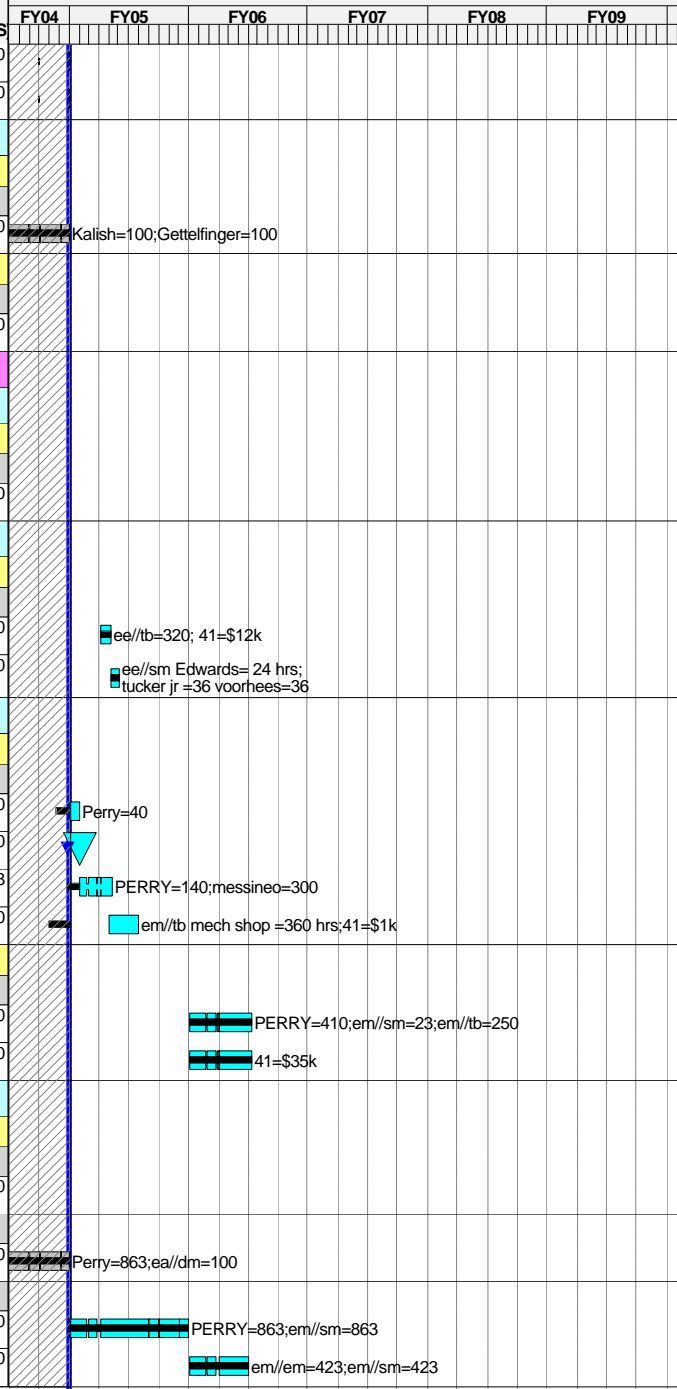
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 CD-3 Proposed Baseline
 xcep14
 Progress Bar
 Critical Activity

0409 **NCSX** Sheet 43 of 50
CD-3 Baseline ECP14
Status thru 9/30/04

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09	
650.012	Procured Hardware/Material	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00							
650.015	Procured Installation/Assy	01OCT04	0	30SEP04	1,259		0.00	0.00	0.00							
65 - Facility Systems Integration																
Job: 6163 - Facility Systems Support FY04																
65-03	LOE WBS 6	01OCT03A	250'	30SEP04A		LOE	32,220.00	32,220.00	0.00							
Job: 6501 - Facility Systems Integration-DUDEK																
FY03 Actual Cost																
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	0	30SEP03A		100	9,380.00	9,380.00	0.00							
7 - Test Cell Preparation and Machine Assy																
71 - Shield Wall Seismic Modifications																
Job: 7101 - Shield Wall Modif Design-PERRY																
FY03 Actual Cost																
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	32,150.00	32,150.00	0.00							
72 - Control Room Refurbishment																
Job: 7201 - Control Room Walls&Floors-PERRY																
710.001	Block Wall east side control room	04JAN05*	24	04FEB05	1,159		0.00	40,432.00	0.00							
711B.050	Complete Control Room Flooring	07FEB05	18	02MAR05	1,159	85	0.00	8,337.60	0.00							
73 - Platform Design & Fabrication																
Job: 7301 - Platform Design & Fab-PERRY																
712.008	Update Platform Specification	01OCT04*	25	04NOV04	1,169		0.00	6,644.00	-6,644.00							
712.009	Platform PDR		0	04NOV04*	1,169		0.00	0.00	0.00							
712.010	Final Design	05NOV04	65	09FEB05	1,193		0.00	55,684.00	-2,790.48							
711A.040	Platform nut plates	01FEB05*	65	02MAY05	1,116	75	0.00	29,732.00	-29,732.00							
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																
712.020	Fab & Assemble Platform	03OCT05*	132	10APR06	288		0.00	24,296.30	0.00							
712.030	Miscs Hardware/Material	03OCT05*	132	10APR06	288		0.00	45,675.00	0.00							
74 - Machine Assembly Planning and Oversight																
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																
FY03 Actual Cost																
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A		100	131,680.00	131,680.00	0.00							
Oversight and Supervision																
711A.020	LOE FY04	01OCT03A	256'	30SEP04A		LOE	149,894.50	149,894.50	0.00							
Project Scope																
714.010	LOE FY05	01OCT04*	249	30SEP05	342		0.00	236,807.20	0.00							
714.020	LOE FY06 prior to assy starting	03OCT05	122	31MAR06	342		0.00	118,111.86	0.00							

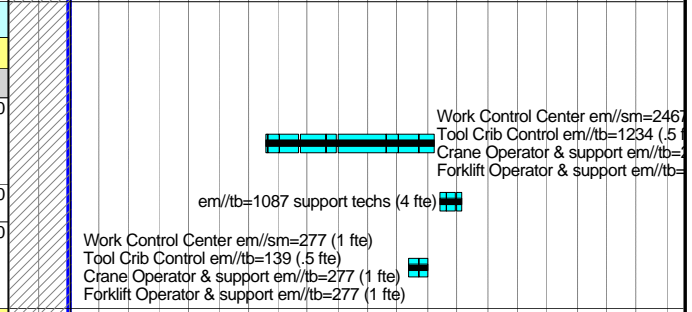


Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
7502-001	Test Cell 110v outlets	04JAN05*	20	31JAN05	1,181		0.00	14,470.40	-14,470.40						
7502-002	Test Cell 208v outlets	04JAN05*	20	31JAN05	1,181		0.00	7,235.20	-7,235.20						
7502-010	Ready Rooms (under control room) 110v outlets	04JAN05*	20	31JAN05	1,055		0.00	7,235.20	-7,235.20						
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0'	31OCT03A		100	9,937.20	9,937.20	0.00						
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A		100	16,848.00	16,848.00	0.00						
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0'	30JAN04A		100	37,608.48	37,608.48	0.00						

75 - Test Cell and Basement Assembly Operations

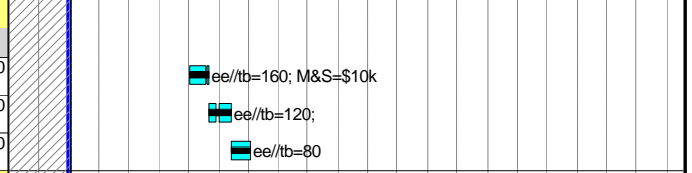
7501 - Construction Support Crew

7501-05	Construction Support Crew during machine assy	24MAY06	356	23OCT07	104		0.00	811,284.12	0.00
7501-06	Construction Support Crew during e-beam mapping	07NOV07	41	14JAN08	444		0.00	94,025.50	0.00
7501-07	Construction Support Crew during cryostat instl	06AUG07	40	01OCT07	511		0.00	92,837.72	0.00



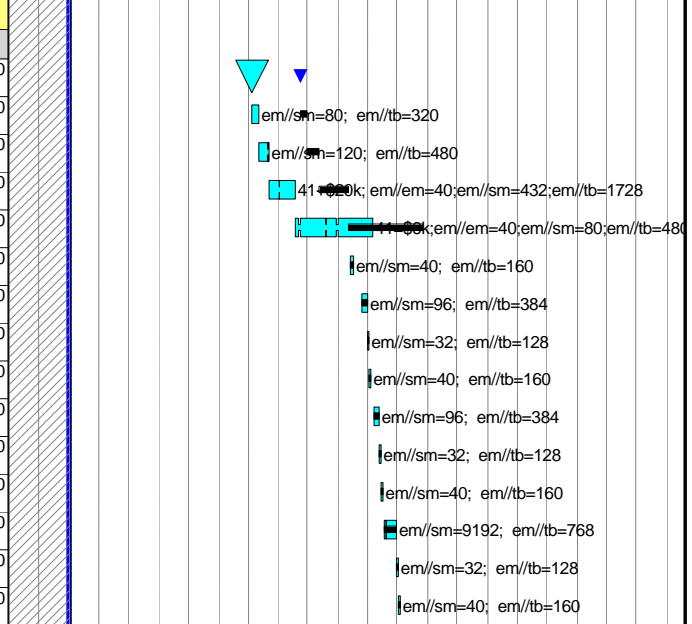
7502 - Test Cell Facility Preparations

7502-020	Resurface TC floor	03OCT05*	42	01DEC05	884		0.00	30,666.00	0.00
7502-030	TC Floor firesealing	02DEC05	42	07FEB06	884		0.00	13,212.00	0.00
7502-035	Control room firesealing	08FEB06	42	06APR06	884		0.00	8,808.00	0.00

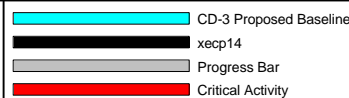


7503 - Machine Assembly

730.1000	Begin Assembly Activities	11APR06*	0		283		0.00	0.00	0.00
730.1020	Install & Level Support Base Plates	11APR06	15	01MAY06	283		0.00	34,504.00	0.00
730.1030	Install/Level Machine Support Columns	02MAY06	25	06JUN06	283		0.00	51,756.00	0.00
730.1040	Install Platform	07JUN06	55	23AUG06	283		0.00	219,177.60	0.00
730.1050	Install Lighting, Fire Det/Supprs under platform	24AUG06	160	17APR07	627		0.00	69,986.48	0.00
730.1070	Install Lower PF 3,4,5&6 into prelim position	09FEB07	5	15FEB07	131		0.00	18,584.00	0.00
730.1081	1st Field Period Assembly-Position	15MAR07	12	30MAR07	112		0.00	44,601.60	0.00
730.1082	1st Field Period Assembly-Weld	02APR07	4	05APR07	112		0.00	14,867.20	0.00
730.1083	1st Field Period Assembly-Leak Check	06APR07	5	12APR07	112		0.00	18,584.00	0.00
730.1091	2nd Field Period Assembly-Position	20APR07	12	07MAY07	107		0.00	44,601.60	0.00
730.1092	2nd Field Period Assembly-Weld	08MAY07	4	11MAY07	107		0.00	14,867.20	0.00
730.1093	2nd Field Period Assembly-Leak Check	14MAY07	5	18MAY07	107		0.00	18,584.00	0.00
730.1101	3rd Field Period Assembly-Position	24MAY07	24	27JUN07	104		0.00	89,203.20	0.00
730.1102	3rd Field Period Assembly-Weld	28JUN07	4	03JUL07	104		0.00	14,867.20	0.00
730.1103	3rd Field Period Assembly-Leak Check	05JUL07	5	11JUL07	104		0.00	18,584.00	0.00



Run Date 12OCT04 15:20







0409 NCSX Sheet 46 of 50

**CD-3 Baseline ECP14
Status thru 9/30/04**

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04 FY05 FY06 FY07 FY08 FY09								
										Gantt Chart								
810.004	Project Management Office PPPL FY06	03OCT05*	254'	29SEP06	774		0.00	630,433.20	0.00	hutch=1503;41=02\$;k ; 35=04\$; strykowsky=1502;pam=1040;phil=345								
810.005	Project Management Office PPPL FY07	02OCT06*	255'	28SEP07	519		0.00	514,290.08	0.00	hutch=1061;strykowsky=1326;pam=832								
810.900	Project Management Office PPPL FY08	01OCT07*	164'	21MAY08	355		0.00	124,420.42	0.00	hutch=177;strykowsky=442;pam=208;35=5								
Job: 8102 - NCSX MIE Management ORNL-LYON																		
FY03 Actual Cost																		
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129'	30SEP03A		100	58,600.00	58,600.00	0.00									
810.102	Project Management Office ORNL FY04	01OCT03A	256'	30SEP04A		LOE	120,228.22	120,228.22	0.00	ORNLRM =358hr; Akers=178;Benson=178 ORNL41 =03\$; ORNL35 =04\$;								
810.103	Project Management Office ORNL FY05	01OCT04*	255'	30SEP05	1,028		0.00	85,894.36	0.00	ORNLRM =180hr; Benson=143;Akers=178 ORNL41 =02\$; ORNL35 =03\$;								
810.104	Project Management Office ORNL FY06	03OCT05*	254'	29SEP06	519		0.00	49,323.49	0.00	ORNLRM =180hr ORNL41 =2\$ Benson=89								
810.104X	Project Management Office ORNL FY06	02OCT06	65'	04JAN07	519		0.00	14,321.54	0.00	ORNLRM =45hr ORNL41 =2\$ Benson=22								
810.105	Project Management Office ORNL FY07	05JAN07	190'	28SEP07	519		0.00	33,631.32	0.00	ORNLRM =178								
810.901	Project Management Office ORNL 1 mo SO	02OCT07*	21'	30OCT07	350		0.00	2,834.10	0.00	ORNLRM =15hr								
810.980	Project Management Office ORNL 1 mo SO	31OCT07*	21'	28NOV07	350		0.00	2,834.10	0.00	ORNLRM =15hr								
810.981	Project Management Office ORNL 1 mo SO	03DEC07*	21'	02JAN08	350		0.00	2,834.10	0.00	ORNLRM =15hr								
810.982	Project Management Office ORNL 1 mo SO	03JAN08*	21'	31JAN08	350		0.00	2,834.10	0.00	ORNLRM =15hr								
810.983	Project Management Office ORNL 1 mo SO	01FEB08*	21'	29FEB08	350		0.00	2,834.10	0.00	ORNLRM =15hr								
810.984	Project Management Office ORNL 1 mo SO	03MAR08*	21'	31MAR08	350		0.00	2,834.10	0.00	ORNLRM =15hr								
810.985	Project Management Office ORNL 1 mo SO	01APR08*	21'	29APR08	350		0.00	2,834.10	0.00	ORNLRM =15hr								
810.986	Project Management Office ORNL 1 mo SO	30APR08*	21'	28MAY08	350		0.00	2,834.10	0.00	ORNLRM =415hr								
82 - Project Engineering																		
Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN																		
FY03 Actual Cost																		
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128'	30SEP03A		100	295,530.00	295,530.00	0.00									
820.002	LOE FY04	01OCT03A	256'	30SEP04A		LOE	626,751.30	626,751.30	0.00	Reiersen =1467hr 35=8\$;k ; Dudek/Gentile=604; Such=86 41=\$30 k; Simmons=1326								
820.003	Proj engr FY05	01OCT04*	255'	30SEP05	1,028		0.00	397,708.20	0.00	wayne=1640;dudek=518;35=7k such=173; gentile=86								
820.004	Proj engr FY06	03OCT05*	254'	29SEP06	774		0.00	386,528.60	0.00	wayne=1640;35=5k;dudek=518 such=173;								
820.004Z	Proj engr FY07	02OCT06*	252'	25SEP07	522		0.00	261,747.00	0.00	wayne=1036;35=15k;dudek=173 such=173								
820.005	Proj engr FY08	01OCT07*	171'	30MAY08	348		0.00	102,889.00	0.00	wayne=518;35=3								
Job: 8203 - Design Integration-BROWN																		
FY03 Actual Cost																		
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128'	30SEP03A		100	178,750.00	178,750.00	0.00									
820.200	LOE FY04	01OCT03A	256'	30SEP04A		LOE	257,272.80	257,272.80	0.00	Brown=1036; Steil= 863								

Run Date 12OCT04 15:20

 CD-3 Proposed Baseline
 xecp14
 Progress Bar
 Critical Activity

0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 48 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	Gantt Chart								
										FY04	FY05	FY06	FY07	FY08	FY09			
8203FY05	Design Integration FY05 LOE	01OCT04*	255'	30SEP05	1,028		0.00	316,937.40	0.00	;ea/sm=690; brown=1467								
8203-01	General Design Integration	01OCT04*	255'	30SEP05	1,028		0.00	0.00	0.00									
8203-02	Suprt interface aux sys dev&coolant/lead routing	01OCT04*	255'	30SEP05	1,028		0.00	0.00	0.00									
8203-03	Develop /maintain Pro/E model of NCSX facility	01OCT04*	255'	30SEP05	1,028		0.00	0.00	0.00									
8203-04	Support metrology efforts	01OCT04*	255'	30SEP05	1,028		0.00	0.00	0.00									
8203-06	Complt rvw of machine assembly approach	01OCT04*	4	06OCT04	1,279		0.00	0.00	0.00									
8203-07	Rvw cryostat & conventional magnet sys design	08OCT04*	9	20OCT04	1,269		0.00	0.00	0.00									
8203-08	tolerance reqmnts for MCsuprt install fixt dwgs	01OCT04*	39	24NOV04	1,244		0.00	0.00	0.00									
8203-09	Machine suprt dsn f/compatibility with assy reqt	25OCT04*	12	09NOV04	1,255		0.00	0.00	0.00									
8203-10	Dynamic simul MC half period install fixt w/ Pro	15NOV04*	42	17JAN05	1,210		0.00	0.00	0.00									
8203-11	Document NCSX Interlink& dwg control process	01DEC04*	11	15DEC04	1,231		0.00	0.00	0.00									
8203-12	Update definition VV spool piece assy simul	01FEB05*	19	25FEB05	1,181		0.00	0.00	0.00									
8203FY06	Design Integration FY06	03OCT05*	254'	29SEP06	774		0.00	239,914.00	0.00	ea/sm=863; brown=863;								
8203FY07	Design Integration FY07	02OCT06*	256'	01OCT07	518		0.00	134,609.27	0.00	ea/sm=345; brown=518;								
Job: 8204 - Systems Analysis-BROOKS																		
FY03 Actual Cost																		
820.173	Apr-Sept MIE Cost PPPL	01APR03A	128'	30SEP03A		100	44,620.00	44,620.00	0.00									
820.174	LOE FY04	01OCT03A	172'	30SEP04A		LOE	150,254.50	150,254.50	0.00	Brooks=935								
8204.01	Assess magnetic material in test cell	02FEB04A	85'	28MAY04A		100	38,568.00	38,568.00	0.00	Jun=240 hrs								
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A		100	19,284.00	19,284.00	0.00	Jun=120 hrs								
8204FY05	Systems Analysis FY05	01OCT04*	255'	30SEP05	1,028		0.00	213,934.00	0.00	brooks=1295								
8204FY06	Systems Analysis FY06	03OCT05*	254'	29SEP06	774		0.00	101,472.00	0.00	brooks=604								
Job: 8205 - Systems Engineering Support																		
8205FY05	System Engr Support FY05	01OCT04*	255'	30SEP05	1,028		0.00	241,066.80	0.00	;simmons=1326								
8205FY06	Systems Engineering Support FY06	03OCT05*	254'	29SEP06	774		0.00	159,568.70	0.00	simmons=863								
8205FY07	Systems Engineering Support FY06	02OCT06*	256'	01OCT07	518		0.00	68,724.00	0.00	simmons=345								
84 - Project Physics																		
Job: 8401 - Project Physcis-ZARNSTORFF																		
FY03 Actual Cost																		
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128'	30SEP03A		100	210,270.00	210,270.00	0.00									
840.202	Project Physics/Engr Analysis FY04	01OCT03A	256'	30SEP04A		LOE	99,806.20	99,806.20	0.00	Zarnstorff=636 41=3\$K ;35=01\$K								
840.203	Project Physics FY05**part of Res Prep Scope	01OCT04*	255'	30SEP05	1,028		0.00	0.00	0.00									

Run Date 12OCT04 15:20

■ CD-3 Proposed Baseline
■ xecp14
■ Progress Bar
■ Critical Activity

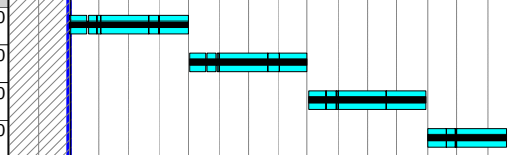
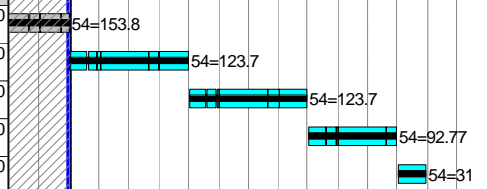
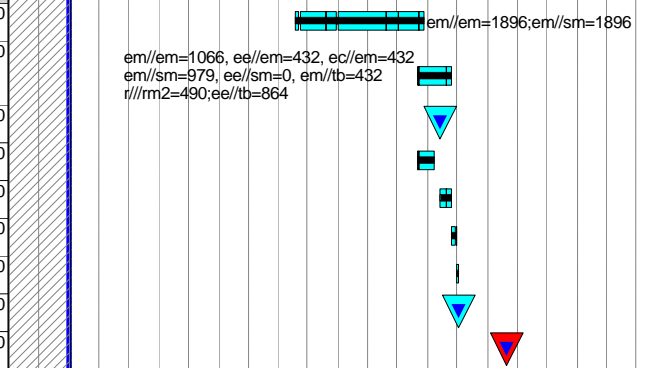
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NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 49 of 50

FY04 Closeout

Activity ID	Activity Description	Forecast Start	Orig Dur	Forecast Finish	Total Float	PCTC	Earned value cost (BCWP)	Budget	Sched Var BCWP - BCWS	FY04	FY05	FY06	FY07	FY08	FY09
Job: 8402 - Project Physics MIE ORNL-LYON															
FY03 Actual Cost															
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152'	30SEP03A		100	40,980.00	40,980.00	0.00						
840.302	Project Physics/Engr Analysis FY04	01OCT03A	256'	30SEP04A		LOE	61,110.96	61,110.96	0.00						
85 - Integrated Systems Testing															
920.001	Procedure and Document Preparation	21AUG06*	273	21SEP07	126		0.00	565,417.75	0.00						
920.000	Startup Personnel	31AUG07	72	13DEC07	114		0.00	654,658.29	0.00						
920.004	Begin Start-up Testing	07NOV07	0		104		0.00	0.00	0.00						
920.005	Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot	31AUG07	37	23OCT07	114		0.00	0.00	0.00						
920.010	Field Coil Testsing,FCPC test & E-Beam Mapping	07NOV07	25	13DEC07	104		0.00	0.00	0.00						
920.020	Final ISTEP	14DEC07	7	01JAN08	104		0.00	0.00	0.00						
920.021	Operations Approval	02JAN08	3	04JAN08	104		0.00	0.00	0.00						
730.9000	First Plasma		0	04JAN08	104		0.00	0.00	0.00						
M-0120	CD-4		0	30MAY08*	0		0.00	0.00	0.00						
Allocations															
PPPL Allocations															
Job: 8998 - Allocations															
FY03 Actual Cost															
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128'	30SEP03A		100	60,670.00	60,670.00	0.00						
99.04	PPPL Allocations FY04	01OCT03A	256'	30SEP04A		LOE	265,920.20	265,920.20	0.00						
99.05	PPPL Allocations FY05	01OCT04*	255'	30SEP05	1,028		0.00	214,990.60	0.00						
99.06	PPPL Allocations FY06	03OCT05*	254'	29SEP06	774		0.00	214,619.50	0.00						
99.07	PPPL Allocations FY07	02OCT06*	190'	29JUN07	519		0.00	170,232.95	0.00						
99.07X	PPPL Allocations FY07	02JUL07*	65'	28SEP07	519		0.00	56,885.00	0.00						
Contingency															
Contingency															
99.105	Contingency	04OCT04*	253'	29SEP05	1,029		0.00	1,640,580.25	0.00						
99.106	Contingency	03OCT05*	254'	29SEP06	774		0.00	2,763,300.83	0.00						
99.107	Contingency	02OCT06*	255'	28SEP07	519		0.00	5,602,001.90	0.00						
99.108	Contingency	01OCT07*	171'	30MAY08	348		0.00	3,449,009.04	0.00						



Run Date 12OCT04 15:20

■ CD-3 Proposed Baseline
■ xecp14
■ Progress Bar
■ Critical Activity

0409

NCSX
CD-3 Baseline ECP14
Status thru 9/30/04

Sheet 50 of 50

FY04 Closeout