

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)												
									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
1202-325	MT-PVVS Complete Fabrication (3.2.2) [A/ 1]	90*	10NOV03A	17MAR04	222	85	246,597.99	290,115.28												
1202-325A	Vist MT for welding	3	02FEB04*	04FEB04	1,446		0.00	2,584.00												
1202-327	PPPL Receipt Inspection of MT PVVS	10	18MAR04	31MAR04	218		0.00	14,148.00												
1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	19	27MAY04	23JUN04	197		0.00	6,370.00												
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	19	27MAY04	23JUN04	197		0.00	6,370.00												
Rohwedder Subcontract (S04345F)																				
1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	0*	02JUN03A	13JUN03A		100	71,888.08	71,888.08												
1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	76*	13JUN03A	27JUN03A		100	19,352.16	19,352.16												
1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	0*	10JUL03A	17JUL03A		100	0.00	0.00												
1202-415	Fiinalize SOW/contract & Release MT for PVVS Fab	52*	18JUL03A	15AUG03A		100	0.00	0.00												
1202-420	RW-PPPL Fabrication Release	0		15AUG03A		100	0.00	0.00												
1202-424	RW-PVVS Begin Fabrication (3.2.2)	131*	18AUG03A	30SEP03A		100	143,280.88	143,280.88												
1202-424A	RW identify fabricator	1	01DEC03A	15DEC03A		100	0.00	0.00												
1202-424B	PPPL approve new fabricator	1	16DEC03A	31DEC03A		100	0.00	0.00												
1202-424C	PPPL review fabricator QA	20*	02FEB04*	27FEB04	1,429	80	0.00	0.00												
1202-424D	PPPL visit fabricator (Jan)	2	02FEB04*	03FEB04	1,447		0.00	0.00												
1202-424E	PPPL visit fabricator (Feb)	2	16FEB04*	17FEB04	1,437		0.00	0.00												
1202-425	RW-PVVS Complete Fabrication (3.2.2)	118*	01OCT03A	17MAR04	222	38	69,742.33	183,532.44												
1202-427	PPPL Receipt Inspection of RW PVVS	10	18MAR04	31MAR04	218		0.00	14,148.00												
1202-430	RW-Final MIT/QA plans for VVSA (3.3.1)	19	27MAY04	23JUN04	197		0.00	23,709.14												
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	19	27MAY04	23JUN04	197		0.00	15,122.38												
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON																				
Closeout PDR Design Deliverables																				
1203-101	Prepare documents for PDR closeout	62*	03NOV03A	30JAN04A		100	7,721.40	7,721.40												
1203-111	Response to chits, prepare FY04 WP/WAF/Checklist	25	01OCT03A	31OCT03A		100	7,721.40	7,721.40												
1203-121	Review, revise, and approve SRD	93*	01NOV03A	15MAR04	1,423	60	4,632.84	7,721.40												
1203-131	Complete preliminary design of insulation and he	122*	10NOV03A	30APR04	1,389	95	7,275.21	11,582.10												
PDR Recommendations																				
1203-400	350c Bakeout Study	94*	03NOV03A	31DEC03A		100	25,738.00	25,738.00												
1203-401	Analysis & testing of tube attachment method	20	01DEC03A	31DEC03A		100	0.00	0.00												
1203-402	Determine thermal expansion vv to mcc clearance	39*	01NOV03A	31DEC03A		100	0.00	0.00												
1203-403	Determine cost of fabrication	20	01DEC03A	31DEC03A		100	0.00	0.00												
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT	0		31DEC03A		100	0.00	0.00												
Final Design Tasks																				
121-000	Evaluate port ext & welding**PDR #10 & 11 &24	162	01JUL04*	28FEB05	1,161		0.00	11,973.12												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)												
									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
1203-141	Finalize Spec for VVSA	50	16FEB04*	23APR04	96		0.00	18,067.60												
1203-151	Update VVSA Drawings	102*	01DEC03A	23APR04	96	25	31,850.78	127,403.10												
1203-161	Finalize & Sign All ICDs	71*	17NOV03A	26FEB04	132	25	3,860.70	15,442.80												
1203-181	Start Thermal Analyses	82*	01NOV03A	30JAN04A		100	23,012.76	23,012.76												
1203-191	Start Eddy Current Analyses	87*	03NOV03A	30JAN04A		100	3,536.05	3,536.05												
1203-202	Start Port Nozzle Analysis	63*	02JAN04A	30JAN04A		100	5,142.40	5,142.40												
1203-232	Structural Analysis of Vac Vsl	65	02FEB04	30APR04	96		0.00	77,136.00												
1203-233	Check structural analysis	10	03MAY04	14MAY04	96		0.00	12,856.00												
1203-234	Perform Global Seismic Analysis	30	01MAR04*	09APR04	1,404		0.00	38,568.00												
1203-235	Perform Local Thermal Analysis	20	02MAR04*	29MAR04	110		0.00	15,442.80												
1203-236	ChecdK Local Thermal Analysis	20	30MAR04	26APR04	110		0.00	15,442.80												
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	20	01MAR04*	26MAR04	111		0.00	10,295.20												
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	20	29MAR04	23APR04	111		0.00	12,856.00												
1203-239	Perform Analysis of VV Supports	20	30MAR04*	26APR04	100		0.00	10,295.20												
1203-240	Check Analysis of VV Supports	10	27APR04	10MAY04	100		0.00	5,147.60												
1203-201	Update/Perform FMECA Analyses	44*	02FEB04*	01APR04	107		0.00	6,428.00												
1203-241	Check FMECA Analyses	20	02APR04*	29APR04	107		0.00	0.00												
1203-261	Provide Input to FP assy, Install & Startup Plan	128*	01OCT03A	31MAR04	1,401	75	9,651.75	12,869.00												
1203-291	Update Design Basis Document	20*	21APR04*	18MAY04	94		0.00	2,059.04												
1203-301	Update Cost and Schedule Estimates	20*	21APR04*	18MAY04	94		0.00	3,088.56												
1203-321	Assemble FDR Drawing Package, Check & Promote	32*	01APR04*	14MAY04	96		0.00	4,118.08												
1203-331	Prepare Presentations	15	26APR04*	14MAY04	96		0.00	12,869.00												
125-001	Title I design WBS 125 local I&C	43	22MAR04*	19MAY04	93		0.00	10,192.25												
1203-341	Conduct VVSA FDR	0		19MAY04	93		0.00	0.00												
1203-311	Prepare Final Design ECP	10	20MAY04*	03JUN04	1,366		0.00	3,088.56												
1203-361	Final Design of Insulation and Heating/Cooling	230*	03NOV03A	28FEB05	265	30	9,338.12	31,127.06												
1203-271	Develop Assembly & Installation Procedures	167*	01JUL04*	28FEB05	265		0.00	44,133.45												
122-011	Title II design WBS 122 Thermal insulation	167*	01JUL04*	28FEB05	265		0.00	42,921.58												
124-011	Title II design WBS 124 VV supports	167*	01JUL04*	28FEB05	265		0.00	21,574.43												
125-011	Title II design WBS 125 local I&C	167*	01JUL04*	28FEB05	265		0.00	10,787.22												
1203-900	Comprehensive WBS 12 FDR	0		28FEB05	265		0.00	0.00												
Vacuum Vessel Vendor Selection																				
121-6-6	Finalize tech Doc package & Resolve chits	15	06MAY04	26MAY04	193		0.00	1,286.90												
121-6-8	Evaluate and Select VV Production Vendor	16	24JUN04	16JUL04	193		0.00	2,901.90												
121-6-83	Negotiate with vendor	9	19JUL04	29JUL04	193		0.00	1,615.00												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)												
									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
1403-40.2B	Confirm Plasma performance & surface quality	10	17FEB04	01MAR04	130		0.00	6,428.00	Ku=+40											
1403-40.2C	Model expected deflections under thermal/EM load	20	17FEB04	15MAR04	120		0.00	10,295.20	ORNLEM=+80											
1403-40.2D	Confirm plasma performance & surface quality	20	16MAR04	12APR04	120		0.00	12,856.00	Ku=+80											
1403-41	Prepare structural analysis report	45*	01MAR04*	30APR04	106		0.00	20,590.40	Williamson=160											
Winding Form FDR Prep																				
1403-43	Incorporate changes due to prototype fabr	55	16FEB04*	30APR04	106		0.00	10,423.89	Williamson,Lovett,Hargrove=80											
1403-44	Prepare final drawings for winding forms, asm	51	20FEB04*	30APR04	106		0.00	82,232.91	Jones,Lovett,Hargrove=640											
1403-45	Check and promote models / drawings	15	15APR04*	05MAY04	103		0.00	41,180.80	Jones,Williamson,Cole,Lovett,Hargrove=320											
1403-46	Update build-to specification / SOW	58	16FEB04*	05MAY04	103		0.00	15,442.80	Williamson=120											
1403-47	Prepare failure modes assessment (FMECA)	58	16FEB04*	05MAY04	103		0.00	15,442.80	Williamson=120											
1403-48	Update design basis document	33	17MAR04*	30APR04	106		0.00	15,442.80	Williamson=120											
1403-49	Update cost / schedule estimates	55	16FEB04*	30APR04	106		0.00	15,442.80	Williamson=120											
1403-49.1	Process ECP for all changes	63	16FEB04*	12MAY04	98		0.00	5,147.60	Williamson=40											
1403-50	Prepare FDR documentation / presentations	9	30APR04*	12MAY04	98		0.00	10,295.20	Williamson=80											
1403-50.1	Release EIO/JPP f/flow solidif & mach simulation	0	01MAR04*		171		0.00	0.00												
1403-50.2	Prepare Prelim Bid Package	15	13APR04	03MAY04	129		0.00	0.00												
1403-50.5	Prelim Bid Package Released	0		03MAY04*	129		0.00	0.00												
1403-51	Final Design Review	0		19MAY04*	93		0.00	0.00												
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness	0		19MAY04	93		0.00	0.00	JOULE MILESTONE #4 CD-3 Readiness: complete preparations for CD-3 determination. 4th QUARTER FY04 (FDR's for WBS 12, 1& 14 Completed)											
Post FDR Update & Planning																				
1403-53	Resolve FDR comments and recommendations	15	20MAY04	10JUN04	117		0.00	15,442.80	Williamson=120											
1403-54	Final bid package(specs,models,dwgs)	13	24MAY04	10JUN04	117		0.00	20,590.40	Williamson,Lovett,Hargrove,Cole,Jones=160											
C-071	Project eval cost proposals & select vendor	40	02JUL04	27AUG04	117		0.00	0.00												
C-081	Castings-Award Mfg contract (phase funded)	0	30AUG04*		117		0.00	0.00												
Winding and Assembly Design-Prototype (typeC)																				
1403-100	Winding & Insulation Dwgs (8)-Prototype	60	02JAN04A	23APR04	144	24	1,297.20	5,404.98	Lovett= 21 ; Hargrove= 21											
1403-101	Leads & crossover Dwgs (10)-Prototype	60	02JAN04A	23APR04	144	24	1,606.06	6,691.88	Lovett= 26 ; Hargrove= 26											
1403-102	G-10 Filler Dwgs (24)-Prototype	60	02JAN04A	23APR04	144	24	3,891.58	16,214.94	Lovett= 63 ; Hargrove= 63											
1403-103	Clamp Dwgs (5)-Prototype	60	02JAN04A	23APR04	144	24	803.02	3,345.94	Lovett= 13 ; Hargrove= 13											
1403-104	Chill Plate Dwgs (66)-Prototype	60	02JAN04A	23APR04	144	24	10,686.42	44,526.74	Lovett= 173 ; Hargrove= 173											
1403-105	Installation Dwgs (1)-Prototype	60	02JAN04A	23APR04	144	24	185.32	772.14	Lovett= 3 ; Hargrove= 3											
1403-106	Cooling Schematic Dwgs (1)-Prototype	60	02JAN04A	23APR04	144	24	185.32	772.14	Lovett= 3 ; Hargrove= 3											
1403-107	Electrical Schematic Dwgs (1)-Prototype	60	02JAN04A	23APR04	144	24	185.32	772.14	Lovett= 3 ; Hargrove= 3											
1403-108	I&C Dwgs (1) -Prototype	60	02JAN04A	23APR04	144	24	185.32	772.14	Lovett= 3 ; Hargrove= 3											

Run Date

24FEB04 10:53

ECP5 Schedule

Progress Bar

Critical Activity

ECP5

NCSX Baseline
(ECP5)
First Plasma May 2008

Sheet 8 of 43

Rev B
WBS 12-2/18; WBS 13- 2/19
WBS14- 2/20; WBS 7 -2/20

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)												
									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
1403-401	Leads & crossover Dwgs (10)-Type B	95	27DEC04	09MAY05	125		0.00	7,325.24												
1403-402	G-10 Filler Dwgs (24)-Type B	95	27DEC04	09MAY05	125		0.00	17,749.62												
1403-403	Clamp Dwgs (5)-Type B	95	27DEC04	09MAY05	125		0.00	3,662.62												
1403-404	Chill Plate Dwgs (66)-TypeB	95	27DEC04	09MAY05	125		0.00	48,741.02												
1403-405	Installation Dwgs (1)-Type B	95	27DEC04	09MAY05	125		0.00	845.22												
1403-406	Cooling Schematic Dwgs (1)-Type B	95	27DEC04	09MAY05	125		0.00	845.22												
1403-407	Electrical Schematic Dwgs (1)-Type B	95	27DEC04	09MAY05	125		0.00	845.22												
1403-408	I&C Dwgs (1) -Type B	95	27DEC04	09MAY05	125		0.00	845.22												
1403-58B	Check and promote models / drawings -Type B	15	19APR05	09MAY05	125		0.00	19,017.45												
1403-72	Final Design Review Production Type B	0		09MAY05	125		0.00	0.00												
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	20	13OCT05	09NOV05	125		0.00	2,898.20												
1403-72.1	Fab Readiness Review - Production Type B	0		09NOV05	125		0.00	0.00												
142TITLE3	Titel III Design-Coil Winding & Assembly	498*	01OCT04*	29SEP06	761		0.00	423,168.36												
Job:1404-Mod Coil Winding Form R&D-HEITZENROEDER																				
FY03 Actual Cost																				
1404-002	Apr-Sept YTD MIE Cost ORNL	64*	01APR03A	30SEP03A		100	100,220.00	100,220.00												
1404-003	Apr-Sept YTD MIE Cost PPPL	64*	01APR03A	30SEP03A		100	64,670.00	64,670.00												
Prototype Design Issues																				
1404-109.J	JOULE MILESTONE #1-Authorize Prototype Fab	0		20OCT03A			0.00	0.00												
1404-110.J	JOULE MILESTONE #3-Prototype Casting Made	0		26MAR04	67		0.00	0.00												
1404-65	Fabrication oversight by Project	168*	01OCT03A	26MAY04	1,371	LOE	38,074.78	75,246.60												
EIO Subcontract (S04341F)																				
1404-100	EIO-Cost FY03	10	01MAY03A	30SEP03A		100	307,170.24	307,170.24												
1404-110X	EIO-forecast increase	176*	21OCT03A	28JUN04	1,344		132,120.00	293,600.00												
1404-68	Authorization by PPPL	0		20OCT03A			0.00	0.00												
1404-69	Oversight / reporting (4.1 & 4.2)	138*	21OCT03A	04MAY04	1,387		34,883.11	67,865.98												
1404-70	Process model	27	21OCT03A	26NOV03A		100	44,590.00	44,590.00												
1404-71	Build pattern	42*	01DEC03A	21JAN04A		100	44,590.00	44,590.00												
1404-72	EIO Make casting	16*	22JAN04A	12FEB04	98		19,485.83	44,590.00												
1404-73	Inspect, repair, heat treat	31*	13FEB04	26MAR04	140		0.00	44,590.00												
1404-74	Ship, setup for machining	10	26APR04	07MAY04	120		0.00	60,897.20												
1404-75	Perform machining	30*	10MAY04*	21JUN04	120		0.00	74,274.10												
1404-76	Final inspection	2	22JUN04	23JUN04	120		0.00	7,500.00												

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									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
1404-77	Ship to PPPL	3	24JUN04	28JUN04	120		0.00	2,570.00												
1404-77.1	EIO-Deliver Prototype	0		28JUN04	120		0.00	0.00												
1404-78	Flow solid & machine simulation for Production	34*	13MAY04*	30JUN04	118		0.00	40,000.00												
1404-79	Final MIT/QA plan	30	20MAY04	01JUL04	117		0.00	19,990.00												
1404-80	Fixed price proposal	30	20MAY04	01JUL04	117		0.00	11,960.00												
JP Pattern Subcontract (S04340F)																				
1404-200	JPP- cost FY03	10	01MAY03A	30SEP03A		100	92,170.40	92,170.40												
1404-210X	PPPL add'l-forecast increase	105*	02FEB04	28JUN04	1,344		0.00	200,000.00												
1404-82	Authorization by PPPL to begin Fabrication	0		20OCT03A			0.00	0.00												
1404-83	Oversight / reporting	138*	21OCT03A	04MAY04	1,387	LOE	30,030.78	58,425.64												
1404-84	Process model	125*	21OCT03A	15APR04	1,400		35,465.20	62,438.74												
1404-85	Build pattern	72*	01DEC03A	12MAR04	67		6,619.70	33,098.52												
1404-86	JPP Make casting	10*	15MAR04	26MAR04	67		0.00	16,434.60												
1404-87	Inspect, repair, heat treat	22*	29MAR04	27APR04	118		0.00	119,998.06												
1404-88	Ship, setup for machining	3*	28APR04	30APR04	118		0.00	1,579.76												
1404-89	Perform machining	37*	03MAY04	23JUN04	118		0.00	281,450.26												
1404-90	Final inspection	3*	24JUN04	28JUN04	118		0.00	8,710.00												
1404-91	Ship to PPPL	2	29JUN04	30JUN04	118		0.00	3,120.00												
1404-91.1	JPP-Deliver Prototype	0		30JUN04	118		0.00	0.00												
1404-92	Flow solid & machine simulation for Production	34*	13MAY04*	30JUN04	118		0.00	40,000.00												
1404-93	Final MIT/QA plan	30	20MAY04	01JUL04	117		0.00	8,170.00												
1404-94	Fixed price proposal	30	20MAY04	01JUL04	117		0.00	12,150.00												
Job: 1405-Mod Coil Winding R&D Prep-CHRZANOWSKI																				
FY03 Actual Cost																				
1405-002	Apr-Sep YTD MIE Cost ORNL	64*	01APR03A	30MAY03A			0.00	0.00												
1405-003	Apr-Sep YTD MIE Cost PPPL	64*	01APR03A	30MAY03A			168,070.00	168,070.00												
Job: 1406 - Mod. Coil Winding R&D-CHRZANOWSKI																				
FY03 Actual Cost																				
1406-0002	Apr-Sep YTD MIE Cost ORNL	64*	01APR03A	30SEP03A		100	0.00	0.00												
1406-0003	Apr-Sep YTD MIE Cost PPPL	64*	01APR03A	30SEP03A		100	831,120.00	831,120.00												
Oversight & Supervision																				
1406-000	Supervision & Oversight	180*	01OCT03A	22JUN04	1,312	LOE	51,458.88	117,218.40												
1406-047	Prepare R&D report	17	23JUN04	16JUL04	1,312		0.00	0.00												
1406-048	Testing & Strain Gauge Design	20	01OCT03A	31OCT03A		100	24,253.50	24,253.50												
Keystone R&D																				
1406-001	Purchase 10 spools conductor (twisted racetrack)	40*	03NOV03A	23DEC03A		100	7,644.00	7,644.00												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)	FY04 FY05 FY06 FY07 FY08 FY09 FY10											
1406-003	Purchase 8 spools conductor (long twisted windin	40*	03NOV03A	23DEC03A		100	7,644.00	7,644.00	41=\$5k											
1406-005	Purchase epoxy & Insulation	76*	03NOV03A	27FEB04	213	50	4,693.68	6,370.00	41=\$5k											
1406-010	Keystone Test for New Conductor	31*	02JAN04A	13FEB04	194	80	4,915.20	6,144.00	em/tb= 80 hrs;											
1406-011	Purchase add'l copper Conductor	35	02FEB04	19MAR04	1,385		0.00	8,918.00	\$7k for copper											
1406-012	Repeat Keystone Test for New Conductor	10	22MAR04	02APR04	1,385		0.00	6,144.00	em/tb= 80 hrs;											
Twisted Racetrack Design (Williamson)																				
1406-097	Verify Conductor Dims	3	01OCT03A	03OCT03A		100	2,573.80	2,573.80	williamson=20											
1406-098	Complete Drawings of Casting	21	13OCT03A	26NOV03A		100	15,442.80	15,442.80	lovett,jones=120											
1406-099	Review/Approve Casting Drawings	10	26NOV03A	26NOV03A		100	15,442.80	15,442.80	lovett,jones,cole,williamson=120											
1406-101	Prepare Clamp & Chill Plate detail Drawings	80	24NOV03A	19MAR04	118	60	12,354.24	20,590.40	lovett= 260											
1406-102	Review/Approve Clamp& Chill Plate Dwgs	10	22MAR04	02APR04	118		0.00	15,442.80	lovett,jones,cole,willamson=120											
1406-103	Twisted Racetrack FDR	0		02APR04	118		0.00	0.00												
1406-103.1	Twisted Racetrack Fab Readiness Review	0		16APR04	118		0.00	0.00												
1406-104	Prepare Draft of Coil Test Plan	99*	01OCT03A	27FEB04	1,410	30	1,544.28	5,147.60	nelson=40											
1406-105	Prepare ANSYS thermal analysis model	3	31OCT03A	31OCT03A		100	2,573.80	2,573.80	willamson=20											
1406-106	Analyze Thermal Behavior due to pulse	3	31OCT03A	31OCT03A		100	2,573.80	2,573.80	willamson=20											
1406-107	Calculate EM Loads due to max current	3	03NOV03A	26NOV03A		100	5,147.60	5,147.60	willamson=40											
1406-108	Prep MECHANICA Struct Analysis Model	3	03NOV03A	26NOV03A		100	5,147.60	5,147.60	freudenberg=40											
1406-109	Analyze Stress/deflection due to cooldown,pulse	5	03NOV03A	26NOV03A		100	5,147.60	5,147.60	freudenberg=40											
1406-110	Finalize, Approve coil test plan	58*	01DEC03A	27FEB04	231	30	3,088.56	10,295.20	nelson=80											
Twisted Racetrack Fabrication & Winding (Chrzano)																				
1406-014	Bid, Evaluate and Award Casting to EIO or JPP	28	01DEC03A	23DEC03A		100	0.00	0.00												
1406-016	Procure casting from EIO (new scope)	43*	02FEB04	31MAR04	140		0.00	127,387.26	41=\$ 60 + \$40k= \$100k k PE4371											
1406-016.1	Inspect & Measure Casting	10	01APR04	14APR04	140		0.00	0.00												
1406-016.5	PPPL Fabricate chill plates and clamps	30	05APR04	14MAY04	118		0.00	22,992.00	Machinist =160hrs; eb/tb=80											
1406-017	Wind twisted racetrack	20	17MAY04	14JUN04	118		0.00	24,576.00	em/tb=320 hrs											
1406-018	Mold & VPI twisted racetrack	18	14JUL04	06AUG04	118		0.00	18,432.00	em/tb=240 hrs											
1406-019	Setup coil in test stand	2	09AUG04	10AUG04	118		0.00	10,224.80	em/tb=48; ee/tb=32; eel/sm=4											
1406-021	Perform tests	5	11AUG04	17AUG04	118		0.00	30,853.60	em/tb=128; ee/tb=56; Hatcher=40; Gettelfinger=40; Gernhardt=40											
1406-023	Section and Evaluate coil turns	5	18AUG04	24AUG04	118		0.00	0.00												
Conductor Property Testing																				
1406-029	Fab New Specimen Molds	60*	01DEC03A	25FEB04	161	35	8,047.20	22,992.00	Machinist=160; em/tb=80											
1406-030	Fab & Pot samples	30*	26JAN04A	05MAR04	154	15	5,529.60	36,864.00	em/tb= 480											
1406-031	Prep fixtures and test equipt	67*	03NOV03A	16FEB04	147	50	34,617.00	69,234.00	Kozub=160; Jurzynski=160 Machinist=240; 41=\$ 1 k											
1406-032	Test samples	31	17FEB04*	30MAR04	147		0.00	64,032.00	Kozub=240; Jurzynski=240											

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)	FY04	FY05	FY06	FY07	FY08	FY09	FY10
1406-033	Prepare Test report	15	17MAR04*	06APR04	147		0.00	12,856.00							
1406-034	Conductor/Insulation FDR	0		13APR04*	142		0.00	0.00							
"inchworm" Twisted Winding															
1406-119	Join straight sections w/2 end loops	79*	01OCT03A	30JAN04A		100	31,590.00	31,590.00							
1406-120	Wind Conductor	19*	30JAN04A	25FEB04	1,412		976.90	18,432.00							
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	0	30JAN04A				0.00	0.00							
Job: 1407 -Mod Coil Winding Facility-CHRZANOWSKI															
FY03 Actual Cost															
1407-001	Apr-Sep YTD MIE Cost PPPL	64*	01APR03A	30SEP03A		100	267,550.00	267,550.00							
Oversight and Supervision															
1407-002	Winding Facility, Tooling, Materials Oversight	186*	01OCT03A	30JUN04	1,323	LOE	82,190.84	193,390.20							
1407-003	Winding Facility, Tooling, Design	250*	01OCT03A	30SEP04	1,259	LOE	43,016.70	136,128.80							
Autoclave, Turning Fixture & other components															
1407-005	Domes & cylinder Fab & Deliver (PE4226)	18	01DEC03A	23DEC03A		100	20,167.42	20,167.42							
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	18	31OCT03A	31OCT03A		100	509.60	509.60							
1407-008	Remaining Autoclave components-Deliver	49	01OCT03A	09MAR04	182	90	10,319.40	11,466.00							
1407-011	Fabricate Autoclave	128*	01OCT03A	08APR04	160	60	97,822.08	163,036.80							
1407-012	Autoclave PTP	5	09APR04	15APR04	160		0.00	9,216.00							
1407-100	Fabricate turning fixtures and coil supports	145*	01DEC03A	30JUN04	162	30	91,650.00	305,500.00							
1407-100.2	Fabr turning fixt&coil supports **2nd line**	64	01JUL04	30SEP04	211		0.00	179,400.00							
1407-098	Final Dwgs for winding clamps	58*	01DEC03A	27FEB04	162	30	0.00	0.00							
1407-099	Bid,Evaluate & Award Winding Clamps?????	16	01MAR04*	22MAR04	162		0.00	0.00							
1407-110	Fabricate Winding clamp sets (100)	71*	23MAR04*	30JUN04	162		0.00	80,976.00							
1407-110.2	Fabr Winding clamp sets (100)**2nd line**	64	01OCT04*	11JAN05	147		0.00	40,027.50							
1407-115	Fabricate Conductor payout spool system	107*	02FEB04*	30JUN04	162		0.00	94,258.40							
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	64	01JUL04*	30SEP04	211		0.00	66,297.20							
1407-125	Fabricate VPI tanks & equipt/components	87*	01MAR04*	30JUN04	162		0.00	63,898.00							
1407-130	Misc tools & equipt	87*	01MAR04*	30JUN04	162		0.00	50,960.00							
1407-135	Fabricate Coil support structure (2)	87*	01MAR04*	30JUN04	162		0.00	40,388.00							
Area Preparation															
1407-200	Decon TFTR test Cell Crane	20	26NOV03A	26NOV03A		N/R	18,432.00	18,432.00							
1407-202	Setup facility stations	55*	16APR04*	02JUL04	160		0.00	116,647.20							
1407-204	Build cleanrooms (2) locations	96	16FEB04*	29JUN04	211		0.00	108,650.00							
1407-204.2	Build cleanroom (1 add'l) **2nd line**	65*	30JUN04	30SEP04	211		0.00	54,325.00							

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)														
									FY04		FY05		FY06		FY07		FY08		FY09		FY10	
Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI																						
FY03 Actual Cost																						
1408-001	Apr-Sep YTD MIE Cost PPPL	64	01APR03A	30SEP03A		100	29,790.00	29,790.00														
Epoxy																						
1408-111	Epoxy -Spec & Requisition	10	14APR04	27APR04	162		0.00	0.00														
1408-113	Epoxy -Bid & Award	30	28APR04	09JUN04	162		0.00	0.00														
1408-115	Epoxy -Delivery for Prototype	20	10JUN04	08JUL04	162		0.00	6,370.00														
1408-117	Epoxy -1st Delivery for Production	20	21DEC04	19JAN05	122		0.00	19,380.00														
1408-119	Epoxy -2nd Delivery for Production	20	21FEB05	18MAR05	125		0.00	19,380.00														
1408-121	Epoxy -3rd Delivery for Production	20	16MAY05	13JUN05	124		0.00	19,380.00														
1408-123	Epoxy -4th Delivery for Production	20	04AUG05	31AUG05	124		0.00	19,380.00														
1408-125	Epoxy -5th Delivery for Production	20	25OCT05	21NOV05	125		0.00	19,575.00														
1408-127	Epoxy -6th Delivery for Production	20	20JAN06	16FEB06	118		0.00	19,575.00														
Insulation for conductor																						
1408-101	Insulation-Spec & Requisition	5	14APR04	20APR04	142		0.00	0.00														
1408-103	Insulation-Bid & Award	30	21APR04	02JUN04	142		0.00	0.00														
1408-105	Insulation-Delivery for Prototype	30	03JUN04	15JUL04	142		0.00	3,822.00														
1408-107	Insulation-Delivery for Production	65	16JUL04	15OCT04	166		0.00	83,980.00														
Copper Conductor																						
1408-141	Copper Conductor -Spec & Requisition	10	14APR04	27APR04	147		0.00	0.00														
1408-143	Copper Conductor -Bid & Award	30	28APR04	09JUN04	147		0.00	0.00														
1408-145	Copper Conductor -Delivery for Prototype	35	17JUN04	05AUG04	142		0.00	15,288.00														
1408-147	Copper Conductor -Delivery for Production	50	05NOV04	19JAN05	122		0.00	301,036.00														
Chill Plates and Clamps																						
1408-131	Chill plates & clamps -Spec & Requisition	10	26APR04	07MAY04	144		0.00	0.00														
1408-133	Chill plates & clamps -Bid & Award	20	10MAY04	07JUN04	144		0.00	0.00														
1408-135	Chill plates & clamps -Deliver Prototype (type C	40	10JUN04	05AUG04	142		0.00	15,288.00														
1408-137	Chill plates & clamps Production Type C	100	26AUG04	19JAN05	122		0.00	92,700.00														
1408-138	Chill plates & clamps Production Type A	100	09FEB05	29JUN05	128		0.00	93,024.00														
1408-139	Chill plates & clamps Production Type B	100	21JUL05	09DEC05	125		0.00	93,473.28														
G-11 Filler																						
1408-151	G-11 Filler Fabrication - Prototype (type c)	65	05MAY04	05AUG04	142		0.00	35,547.20														
1408-153	G-11 Filler Fabrication - Production Type C	75	01OCT04	19JAN05	122		0.00	108,300.00														
1408-154	G-11 Filler Fabrication - Production Type A	150	29NOV04	29JUN05	128		0.00	108,300.00														
1408-155	G-11 Filler Fabrication - Production Type B	150	10MAY05	09DEC05	125		0.00	108,876.00														

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)												
									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
P2-111	VPI,Test & Ship C-10-2 (station 4/5/6)	34	01JUN05	19JUL05	157		0.00	0.00												
Period 3																				
P3-001	Receive casting C-13-3	12	18APR05	03MAY05	126		0.00	0.00												
P3-011	Wind coil C-13-3 (station 2)	37	05MAY05	27JUN05	125		0.00	0.00												
P3-021	VPI,test & ship C-13-3 (station 4/5/6)	34	28JUN05	15AUG05	153		0.00	0.00												
P3-091	Receive casting C-16-3	12	16MAY05	01JUN05	121		0.00	0.00												
P3-101	Wind coil C-16-3 (station 3)	37	02JUN05	25JUL05	121		0.00	0.00												
P3-111	VPI,test & ship C-16-3 (station 4/5/6)	34	26JUL05	12SEP05	149		0.00	0.00												
Job: 1422 - Type A Winding/VPI																				
Period 1																				
P1-031	Receive casting A-2-1	12	14JUN05	29JUN05	123		0.00	0.00												
P1-041	Wind coil A-2-1 (station 2)	37	30JUN05	22AUG05	123		0.00	0.00												
P1-051	VPI, Test & Ship A-2-1 (station 4/5/6)	34	23AUG05	10OCT05	144		0.00	0.00												
P1-121	Receive casting A-5-1	12	11JUL05	26JUL05	120		0.00	0.00												
P1-131	Wind coil A-5-1 (station 3)	37	27JUL05	16SEP05	120		0.00	0.00												
P1-141	VPI,Test & Ship A-5-1 (station 4/5/6)	34	19SEP05	03NOV05	141		0.00	0.00												
Period 2																				
P2-031	Receive casting A-8-2	12	05AUG05	22AUG05	123		0.00	0.00												
P2-041	Wind coil A-8-2 (station 2)	37	23AUG05	13OCT05	123		0.00	0.00												
P2-051	VPI,Test & Ship A-8-2 (station 4/5/6)	34	14OCT05	02DEC05	137		0.00	0.00												
P2-121	Receive casting A-11-2	12	01SEP05	19SEP05	119		0.00	0.00												
P2-131	Wind coil A-11-2 (station 3)	37	20SEP05	09NOV05	119		0.00	0.00												
P2-141	VPI, test & Ship A-11-2 (station 4/5/6)	34	10NOV05	06JAN06	133		0.00	0.00												
Period 3																				
P3-031	Receive casting A-14-3	12	29SEP05	14OCT05	122		0.00	0.00												
P3-041	Wind coil A-14-3 (station 2)	37	17OCT05	08DEC05	122		0.00	0.00												
P3-051	VPI,Test & ship A-14-3 (station 4/5/6)	34	09DEC05	02FEB06	129		0.00	0.00												
P3-121	Receive casting A-17-3	12	26OCT05	10NOV05	118		0.00	0.00												
P3-131	Wind coil A-17-3 (station 3)	37	11NOV05	12JAN06	118		0.00	0.00												
P3-141	VPI,Test & ship A-17-3 (station 4/5/6)	34	13JAN06	01MAR06	125		0.00	0.00												
Job: 1423 - Type B Winding/VPI																				
Period 1																				
P1-061	Receive casting B-3-1	12	22NOV05	09DEC05	121		0.00	0.00												
P1-071	Wind coil B-3-1 (station 2)	37	12DEC05	08FEB06	121		0.00	0.00												
P1-081	VPI,Test & Ship B-3-1 (station 4/5/6)	34	09FEB06	28MAR06	121		0.00	0.00												
P1-151	Receive casting B-6-1	12	21DEC05	13JAN06	117		0.00	0.00												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)												
									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
1501-145	Prepare assembly drawings for structure / coils	30	08MAR04	16APR04	236		0.00	28,765.30												
1501-149	Update design basis document; address size and w	10	19APR04	30APR04	236		0.00	6,267.30												
1501-157	Perform RAM & ES&H analyses document in design b	19	06APR04	30APR04	236		0.00	6,267.30												
1501-161	Update cost and schedule	10	19APR04	30APR04	236		0.00	6,267.30												
1501-162	PDR Preparation	15	12APR04	30APR04	236		0.00	6,267.30												
1501-165	Perform PDR (jointly with conventional coils)	0		30APR04*	236		0.00	0.00												
Preliminary Design Analyses																				
1501-169	Design Analyses (summary task)	36*	12MAR04	30APR04	236		0.00	0.00												
1501-173	Update ANSYS model of coils & structure	21	12MAR04	09APR04	236		0.00	10,548.20												
1501-177	Perform structural stress analyses	21	12MAR04	09APR04	236		0.00	10,548.20												
1501-181	Perform structural deflection analyses	21	12MAR04	09APR04	236		0.00	10,548.20												
1501-185	Check EM loads for reference scenarios	21	02APR04	30APR04	236		0.00	10,548.20												
1501-189	Perform EM combined loads & fault conditions	21	02APR04	30APR04	236		0.00	10,869.60												
1501-221	Prepare Failure Modes Assessment (FMECA)	31	19MAR04	30APR04	236		0.00	4,499.60												
Structures Final Design																				
1501-205	Structures FDR (summary task)	144*	03MAY04	23NOV04	236		0.00	0.00												
1501-197	Update analyses based on PDR recommendations	30	03MAY04	14JUN04	236		0.00	6,106.60												
1501-201	Independent check of EM/ ANSYS analyses	30	15JUN04	27JUL04	236		0.00	6,106.60												
1501-209	Prepare final drawings	42	03MAY04*	30JUN04	254		0.00	18,962.60												
1501-213	Check & promote models / drawings	22	28JUL04	26AUG04	236		0.00	12,534.60												
1501-217	Update build to spec / sow	20	27AUG04	24SEP04	236		0.00	6,106.60												
1501-225	Update design basis document	20	27SEP04	22OCT04	236		0.00	6,243.40												
1501-229	Update cost & schedule estimates	32	11OCT04	23NOV04	236		0.00	6,277.60												
1501-233	Prepare FDR documentation / presentations	32	11OCT04	23NOV04	236		0.00	6,442.80												
1501-237	Prepare ECP for FDR	32	11OCT04	23NOV04	236		0.00	6,442.80												
1501-241	Hold FDR	0		23NOV04	236		0.00	0.00												
Job: 1520-Structures Procure,Fab,Title III																				
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	65	05MAY05	05AUG05	124		0.00	0.00												
162-036.9	Award Coil Support Assy	0		05AUG05*	119		0.00	0.00												
162-037	WBS 151Coil Support Assy Procurement [A/1]	249	08AUG05	04AUG06	119		0.00	987,052.92												
162-031	Title III engr WBS 151	249	08AUG05	04AUG06	800		0.00	153,504.56												
153.037	WBS 153 Support Structure I&C Procurement/Fab	249	03OCT05*	29SEP06	232		0.00	8,464.20												
153.015	Title III design WBS 153 locall&C	249*	03OCT05*	29SEP06	761		0.00	4,648.46												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)												
									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
161-031	Title III engr WBS 172	150	01DEC05	10JUL06	819		0.00	46,651.32												
161-036.8	Prep Spec, Solicit bids, and Select Vendor	65	01DEC05*	09MAR06	124		0.00	0.00												
161-036.9	Award Machine Base&supports Procurement	0		09MAR06	124		0.00	0.00												
161-037	Machine Base&supports Procurement [A1]	90	10MAR06	17JUL06	124		0.00	286,302.65												
18 - Field Period Assembly																				
Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)																				
FY03 Actual Cost																				
1801-001	Apr-Sept MIE Costs PPPL	42	01APR03A	30SEP03A		100	7,750.00	7,750.00												
1801-002	Apr-Sept MIE Costs ORNL	42	01APR03A	30SEP03A		100	53,050.00	53,050.00												
Job: 1802 - FP Assy Oversight&Support-VIOLA																				
Oversight and Supervision																				
181.100	PPPL EM LOE FY04	242*	13OCT03A	30SEP04	1,259	LOE	22,838.62	77,947.50												
181.200	HP Coverage in the TFTR TC LOE FY04	171*	02FEB04*	30SEP04	1,259		0.00	115,320.00												
181.201	D-Site Shift Supervisor LOE FY04	171*	02FEB04*	30SEP04	1,259		0.00	25,920.40												
181.110	PPPL EM LOE FY05	249*	01OCT04*	30SEP05	1,010		0.00	146,784.00												
181.210	HP Coverage in the TFTR TC LOE FY05	249*	01OCT04*	30SEP05	1,010		0.00	128,440.00												
181.310	ORNL EM LOE FY05	249*	01OCT04*	30SEP05	1,010		0.00	119,316.89												
181.120	PPPL EM LOE FY06	250*	03OCT05*	02OCT06	760		0.00	451,299.93												
181.220	HP Coverage in the TFTR TC LOE FY06	250*	03OCT05*	02OCT06	760		0.00	130,690.04												
181.320	ORNL EM LOE FY06	250*	03OCT05*	02OCT06	760		0.00	122,771.80												
Job: 1803- FP Assy Tooling/Constructability-COLE																				
Tooling Design & Fabrication																				
713A.010	Design Tooling	171*	02FEB04	30SEP04	268	LOE	0.00	324,951.05												
713A.010A	Requirements & Constructability Peer Review	0		30MAR04*	1,388		0.00	0.00												
713.010B	Tooling & Constructability FDR	0		30SEP04	268		0.00	0.00												
713A.032	Fabricate-TF Coil sub-assy frame/manipulator	195	18MAR05*	22DEC05	210		0.00	10,366.40												
713A.030	Fabricate-VV supporting fixture (3)	195	20APR05*	01FEB06	134		0.00	97,300.00												
713A.031	Fabricate-Modular Coil sub-assy frame/manip/fixt	195	17JUN05*	30MAR06	121		0.00	209,310.73												
713A.033	Fabricate-Full FP support fixture (3)	195	07JUL05*	18APR06	123		0.00	9,757.00												
713A.034	Fabricate-VV port welding fixtures	195	29JUL05*	10MAY06	175		0.00	13,020.00												
713A.040	General procurements	498*	01OCT04*	29SEP06	761		0.00	25,970.00												
713A.050	Welding tools, materials & equipt	498*	01OCT04*	29SEP06	761		0.00	58,432.50												
713A.020	Lab Fab/Assy/Installation	403*	25FEB05*	02OCT06	760		0.00	349,167.95												
713A.060	Instl He gas piping from NSTX to D-site tc	85	03OCT05*	08FEB06	925		0.00	46,540.00												
Tooling R&D																				
713A.011	Tooling R&D-Design VV/MCWF Mockups inc pdr#20	84*	01DEC03A	05APR04	1,229	10	3,873.57	38,735.69												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Job:1810 - Field Period Assembly																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

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Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)												
									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
192-6.05	Determine reqd process for assly tolerances	58	20APR04	12JUL04	1,277		0.00	30,885.60			ORNL engr=240									
192-6.06	Coil positions to minimize islands.	63	13JUL04	08OCT04	1,277		0.00	62,328.00			Hirshman=180, Strickler=300									
192-6.07	Time constant calcs using SPARK	11	19APR04*	03MAY04	105		0.00	6,428.00			Brooks=40									
192-6.08	Indep check time constant calcs using EDDYCUFF	20	17MAY04*	14JUN04	1,359		0.00	10,295.20			Strickler=80									
192-6.09	Revised VV geometry	6	02FEB04*	09FEB04	1,448		0.00	3,214.00			Brooks=20									
192-6.10	MC interf during assly, geometry, assly trajecto	31	02FEB04*	15MAR04	1,423		0.00	34,073.60			Brooks=120, Brown=60, ORNL engr=40									
192-6.11	Range of motion reqts for Assly MC fixture.	20	03MAY04*	28MAY04	1,369		0.00	18,003.60			Brooks=80, Cole=40									
192-6.12	Analysis plan seismic analysis of the stellr co	6	09FEB04*	16FEB04	1,443		0.00	6,428.00			Dahlgren=40									
192-6.1	Final Analysis coil geometry to field error	0		02FEB04*	1,429		0.00	0.00												
192-6.5	Stellarator Core Assy Design criteria	0		02FEB04*	1,429		0.00	0.00												
192-6.2	Final Mod Coil Trajectories	0		01MAR04*	1,409		0.00	0.00												
192-6.6	Stellarator Core Materials Database	0		01MAR04*	1,409		0.00	0.00												
192-6.3	Best fit for mod coil assy on winding measuremen	0		30SEP04*	1,259		0.00	0.00												
0192-5	LOE-FY05 WBS 192	249*	01OCT04*	30SEP05	1,010	LOE	0.00	485,136.72												
0192-6	LOE-FY06 WBS 192	250	03OCT05*	02OCT06	518	LOE	0.00	152,610.82												
0192-6X	LOE-FY06 WBS 192	242	03OCT06*	20SEP07	518	LOE	0.00	135,038.20												
0192-91	LOE-F1 mo SO	22	01OCT07*	30OCT07	338	LOE	0.00	16,018.04												
0192-92	LOE-F1 mo SO	22	31OCT07*	03DEC07	338	LOE	0.00	16,018.04												
0192-93	LOE-F1 mo SO	22	04DEC07*	10JAN08	338	LOE	0.00	16,018.04												
0192-94	LOE-F1 mo SO	22	11JAN08*	11FEB08	338	LOE	0.00	16,018.04												
0192-95	LOE-F1 mo SO	22	12FEB08*	12MAR08	338	LOE	0.00	16,018.04												
0192-96	LOE-F1 mo SO	22	13MAR08*	11APR08	338	LOE	0.00	16,018.04												
0192-97	LOE-F1 mo SO	21	14APR08*	12MAY08	338	LOE	0.00	16,018.04												
0192-98	LOE-F1 mo SO	21	13MAY08*	11JUN08	338	LOE	0.00	16,018.04												
21 - Fueling Systems																				
21-10	Eng. Work Planning and Design	65	03OCT05*	05JAN06	238		0.00	13,512.00			Blanchard =80hr ;									
21-15	Design Gas Handling Hardware	65	06JAN06	06APR06	238		0.00	6,606.00			EM//SM =60hr ;									
21-20	Design PLC Controls	65	06JAN06*	06APR06	238		0.00	17,968.00			EE//SM =160hr ;									
21-25	Electrical Drafting for pumping system	65	06JAN06*	06APR06	238		0.00	13,200.00			EA//DM =120hr ;									
21-30	Drafting	65	06JAN06*	06APR06	238		0.00	8,800.00			EA//DM =80hr ;									
21-35	Eng. Work Planning and Design during fab	65	02OCT06*	04JAN07	114		0.00	3,638.00			Blanchard =20hr ;									
21-40	Fabrication/Install Hardware	65	02OCT06*	04JAN07	114		0.00	7,116.00			EM//SM =60hr ;									

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)													
									FY04	FY05	FY06	FY07	FY08	FY09	FY10						

21-45	Fabrication/installation	65	02OCT06*	04JAN07	114		0.00	53,477.20					EM//SM =150hr ; EM//TB =200hr ; 41=14\$						
21-55	Install PLC Controls	65	02OCT06*	04JAN07	114		0.00	9,672.00					EE//SM =80hr ;						
21-60	Integrated Systems Testing/Eng	65	02OCT06*	04JAN07	114		0.00	3,638.00					Blanchard =20hr ;						
21-65	Integrated Systems Testing/Tech Support	45	05JAN07*	08MAR07	114		0.00	2,418.00					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	43*	01APR03A	30MAY03A		100	35,300.00	35,300.00
2001-100	PDR Support	164*	01JUN03A	30SEP03A		LOE	24,896.00	24,896.00

blanchard/provost fy03

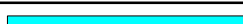
22-25	Eng. Work Planning and Design	65	03OCT05*	05JAN06	138		0.00	25,698.00				Blanchard =100hr ; EM//SM =80hr ;						
22-30	Design PLC based control system	65	06JAN06*	06APR06	203		0.00	35,936.00				EE//SM =320hr ;						
22-35	Electrical Drafting for pumping system	65	06JAN06*	06APR06	203		0.00	23,100.00				EA//DM =210hr ;						
22-40	Drafting	65	06JAN06*	06APR06	138		0.00	17,600.00				EA//DM =160hr ;						
22-45	Eng. Work Planning and Design during fab	65	07APR06*	10JUL06	138		0.00	15,201.00				Blanchard =90hr ;						
22-50	Perform maint. & repair of pmpg sys	65	07APR06*	10JUL06	138		0.00	8,808.00				EM//SM =80hr ;						
22-55	Repair and Calibration of vac instrumentation	100	11AUG06*	03JAN07	115		0.00	9,243.20				EM//SM =80hr ;						
22-60	Fabrication/installation	100	11AUG06*	03JAN07	115		0.00	114,721.68				EM//SM =450hr ; EM//TB =380hr ; 41=23\$						
22-65	Fab PLC conrols	100	11AUG06*	03JAN07	115		0.00	61,571.20				EE//SM =160hr ; 41=32\$						
22-70	Integrated Systems Testing/Eng	45	04JAN07*	07MAR07	115		0.00	7,276.00				Blanchard =40hr ;						
22-75	Integrated Systems Testing/Tech Support	45	04JAN07*	07MAR07	115		0.00	4,836.00				EE//SM =40hr ;						

25 - Neutral Beam Injection System

Job: 2501 - Neutral Beam Refurbishment-STEVENSON

FY03 Actual Cost																		
2501-001	Apr-Sept MIE Cost	43*	01APR03A	30SEP03A		100	146,310.00	146,310.00										
FY04 Work Plan																		
2501-015	Design & Work Planning	227*	03NOV03A	30SEP04	1,259	50	2,712.60	5,425.20				Stevenson=36						
2501-020	Layout & Routing	192*	02JAN04A	30SEP04	1,259	30	2,319.84	7,732.80				Carson=72						
2501-025	Systems Interfaces	192*	02JAN04A	30SEP04	1,259	10	773.28	7,732.80				Carson=72						
2501-030	Power System Local testing	106*	01JAN04A	28MAY04	1,345	75	11,854.09	15,805.45				Carson=80; Gibilisco=40 Halvorsen=16; 41=\$ 1 k; 37 = \$.25 k						
2501-035	Controls Development	128*	02JAN04A	30JUN04	1,323	20	12,858.40	64,292.00				Carson=160;Rossi=320; M&S=\$ 10 k						
Refurbishment																		
25-100	6) Drafting Support	695*	01OCT04*	25JUN07	588		0.00	108,007.21				EA//DM =1,040-72=968 ;						
25-105	7) Refurbish sources	441	03OCT05*	26JUN07	587		0.00	3,977.51				EE//SM =20hr ; EM//TB =20hr ;						
25-110	8) Fabricate and install new filaments	438	03OCT05*	21JUN07	590		0.00	6,625.84				41=02\$; EE//SM =20hr ; EM//TB =20hr ;						

Run Date 24FEB04 10:53

 ECP5 Schedule
 Progress Bar
 Critical Activity

ECP5

NCSX Baseline
 (ECP5)
 First Plasma May 2008

Sheet 26 of 43

Rev B
 WBS 12-2/18; WBS 13- 2/19
 WBS14- 2/20; WBS 7 -2/20

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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25-115	9) Refurbish calorimeters as needed	441	03OCT05*	26JUN07	587		0.00	18,559.92																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)												
									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
390-015	LOE Support FY05	249*	01OCT04*	30SEP05	1,010		0.00	183,996.90												
390-020	LOE Support FY06	249*	03OCT05*	29SEP06	761		0.00	187,148.40												
390-025	LOE Support FY07	122*	02OCT06*	30MAR07	469		0.00	99,039.11												
390-901	LOE Support FY07 1mo SO	22	02APR07	01MAY07	469		0.00	17,760.40												
390-902	LOE Support FY07 1mo SO	22	02MAY07	01JUN07	469		0.00	17,760.40												
390-903	LOE Support FY07 1mo SO	21	04JUN07	02JUL07	469		0.00	17,760.40												
390-904	LOE Support FY07 1mo SO	21	03JUL07	01AUG07	469		0.00	17,760.40												
390-905	LOE Support FY07 1mo SO	21	02AUG07	30AUG07	469		0.00	17,760.40												
390-906	LOE Support FY07 1mo SO	21	31AUG07	01OCT07	469		0.00	17,793.33												
390-907	LOE Support FY07 1mo SO	21	02OCT07	30OCT07	469		0.00	18,451.90												
390-908	LOE Support FY07 1mo SO	21	31OCT07	28NOV07	469		0.00	18,451.90												
41 - AC Power																				
Job: 4101 - AC Power-RAMAKRISHNAN																				
411 - Auxiliary AC Power Systems																				
4101-100	Prepare Preliminary One line diagram	171*	02FEB04*	30SEP04	1,259		0.00	9,440.80												
411-1-2	fEx-Test Cell AC Power Dist-Dsn	92*	01OCT04*	18FEB05	385		0.00	19,761.90												
411-1-4	Ex-Test Cell AC Power Dist-Procure	185*	07OCT05*	06JUL06	279		0.00	11,745.00												
411-1-6	Ex-Test Cell AC Power Dist-Install	240	03OCT05*	18SEP06	228		0.00	51,769.40												
411-1-8	Ex-Test Cell AC Power Dist-Commission	100	02OCT06*	28FEB07	119		0.00	46,568.00												
411-2-2	Grounding-Dsn	220*	01OCT04*	19AUG05	225		0.00	29,688.00												
411-2-4	Grounding-Procure	107	03OCT05*	10MAR06	261		0.00	6,525.00												
411-2-6	Grounding-Install	172	13OCT05*	22JUN06	188		0.00	55,912.00												
411-2-8	Grounding-Commission	100	02OCT06*	28FEB07	119		0.00	18,448.00												
411-3-2	Test Cell AC Power Distr-Dsn	220*	01OCT04*	19AUG05	140		0.00	68,024.00												
411-3-4	Test Cell AC Power Distr-Procure	150	29SEP05*	08MAY06	113		0.00	69,612.50												
411-3-6	Test Cell AC Power Distr-Install	207	09MAY06*	08MAR07	113		0.00	61,951.46												
411-3-8	Test Cell AC Power Distr-Commission	121	11SEP06*	08MAR07	113		0.00	31,186.72												
411-4-2	Standby Power for Cryo Sys -Dsn	65	01MAR06*	31MAY06	295		0.00	15,100.00												
411-4-4	Standby Power for Cryo Sys -Procure	130	02OCT06*	11APR07	210		0.00	21,632.00												
411-4-6	Standby Power for Cryo Sys -Install	65	12APR07	13JUL07	210		0.00	51,968.00												

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)	FY04	FY05	FY06	FY07	FY08	FY09	FY10
412 - Experimental AC Power Systems															
412-1-2	D-site Pulsed AC Power Distr-Dsn	253	01OCT04*	06OCT05	189		0.00	10,522.84			VANKIRK =40hr ;Raki =40hr ;				
412-1-4	D-site Pulsed AC Power Distr-Procure	179	13OCT05*	03JUL06	251		0.00	6,525.00			41=05\$k ;				
412-1-6	D-site Pulsed AC Power Distr-Install	245	07OCT05	29SEP06	189		0.00	16,043.20			EE//EM =16hr ; EE//SM =64hr ; EE//TB =80hr ;				
412-1-8	D-site Pulsed AC Power Distr-Commission	121	03MAY06*	23OCT06	173		0.00	9,741.47			EE//EM =24hr ; EE//SM =24hr ; EE//TB =40hr ;				
42 - AC/DC Converters															
422 - D-Site AC/DC Converters															
422-1-8	Transrex power supplies Reactivation	100	02OCT06*	28FEB07	119		0.00	23,534.00			EE//EM =40hr ; EE//SM =40hr ; EE//TB =100hr ; 41=\$2.5 k				
43 - DC Systems															
Job: 4301 - DC Systems-RAMAKRISHNAN															
FY03 Actual Cost															
4301-001	Apr-Sept MIE Cost	43*	01APR03A	30SEP03A		100	2,390.00	2,390.00							
431 - C-Site DC Systems															
4301-100	Prel Design link box & physical details,location	63	03MAY04*	30JUL04	1,302		0.00	75,124.40			vankirk=240; raki=160 ee//sm=96; ee//tb=120; 41=\$5				
4301-104	clear EF/OH bldg of stored hardware	10	02FEB04	13FEB04	1,420		0.00	0.00							
431-1-2	Coil DC Cabling to link box (PCTB)-Dsn	153	13OCT05*	25MAY06	659		0.00	38,740.00			EA//DM =272hr ; EE//EM =56hr ;				
431-1-4	Coil DC Cabling to link box(PCTB)-Procure	190	01SEP06*	07JUN07	591		0.00	52,804.46			41=39\$k ;				
431-1-6	Coil DC Cabling to (PCTB)-Install	108	08JAN07*	07JUN07	591		0.00	9,689.60			EE//EM =40hr ; EE//SM =24hr ;				
431-2-2	DC Cabling to Coils in TC-Dsn	149	13OCT05*	19MAY06	181		0.00	60,140.00			EA//DM =352hr ; EE//EM =136hr ;				
431-2-4	DC Cabling to Coils in TC-Procure	190	01JUN06*	07MAR07	174		0.00	60,160.01			41=45\$k ;				
431-2-6	DC Cabling to Coils in TC-Install	108	27SEP06	07MAR07	174		0.00	30,012.22			EE//EM =80hr ; EE//SM =80hr ; EE//TB =80hr ;				
432 - D to C-Site DC Systems															
432-100	Prepare Tower SOW and IP for BOA design	10*	03NOV03A	26NOV03A		100	6,141.60	6,141.60			vankirk=24; raki=24				
432-105	BOA design tower supports	71*	12DEC03A	30MAR04	1,202	10	15,975.96	48,412.00			41=\$ 38 k				
432-110	Prep SOW and Requisition for tower installation	16	21JUL04	11AUG04	1,124		0.00	23,812.00			vankirk=56;raki=72 ee//sm=32; ee//tb=48				
432-115	Bid & Award	35	12AUG04	30SEP04	1,124		0.00	0.00							
432-120	Install Tower Supports	74	01OCT04*	25JAN05	1,124		0.00	403,104.00			41=\$ 312 k				
432-1-2	DC Cabling-Dsn	80	01MAR04*	21JUN04	1,124		0.00	28,046.40			VANKIRK =152hr ; RAKI =80hr ;				
432-1-4.0	Prepare SOW & Requisition for 1000MCM 5kv Cable	30	13AUG04*	24SEP04	1,087		0.00	0.00							
432-1-4.1	Bid & Award - Cable	40	01JUL05*	26AUG05	898		0.00	0.00							
432-1-4.2	Cable Delivery [A/1]	75	03OCT05*	25JAN06	874		0.00	135,928.80			41=104.16\$k ;				
432-1-4.4	Prepare SOW & Requisition for Cable Installation	30	10AUG04*	21SEP04	1,104		0.00	0.00							
432-1-4.5	Bid & Award Cable Installation	40	02MAY05*	27JUN05	955		0.00	0.00							
432-1-4.7	Procure trays	20	01JUL05*	29JUL05	952		0.00	14,212.00			41=11\$k ;				

Run Date 24FEB04 10:53



ECP5

NCSX Baseline
(ECP5)
First Plasma May 2008

Sheet 30 of 43

Rev B
WBS 12-2/18; WBS 13- 2/19
WBS14- 2/20; WBS 7 -2/20

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)														
									FY04	FY05	FY06	FY07	FY08	FY09	FY10							
442 - Kirk Key Interlocks																						
442-1-2	Kirk Keys-Dsn	41	03OCT05*	30NOV05	289		0.00	32,100.00				EA/DM =120hr ; EE/EM =120hr ;										
442-1-4	Kirk Keys-Procure	185	24OCT05*	21JUL06	130		0.00	13,050.00				41=10\$;										
442-1-6	Kirk Keys-Install	68	24JUL06*	26OCT06	130		0.00	31,103.17				EE/EM =24hr ; EE//SM =40hr ; EE//TB =280hr ;										
442-1-8	Kirk Keys-Commission	62	27SEP06*	02JAN07	130		0.00	21,784.32				EE/EM =40hr ; EE//SM =40hr ; EE//TB =120hr ;										
443 - Real Time Control Systems																						
443-1-2	Develop Control Algorithms-Dsn	142	21APR06*	09NOV06	130		0.00	38,397.97				EE/EM =240hr ;										
444 - Instrument Systems																						
444-1-2	DC Current Transducers (DCCTs)-Dsn	124	13OCT05*	14APR06	126		0.00	15,100.00				EA/DM =80hr ; EE/EM =40hr ;										
444-1-4	DC Current Transducers (DCCTs)-Procure	164	05DEC05*	01AUG06	191		0.00	46,980.00				41=36\$;										
444-1-6	DC Current Transducers (DCCTs)-Install	160	17APR06*	01DEC06	126		0.00	35,115.07				EE/EM =32hr ; EE//SM =64hr ; EE//TB =280hr ;										
444-1-8	DC Current Transducers (DCCTs)-Commission	143	08JUN06*	08JAN07	126		0.00	16,521.62				EE/EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;										
444-2-2	DC Potential Transducers (DCPTs)-Dsn	95	07OCT05*	28FEB06	119		0.00	30,200.00				EA/DM =160hr ; EE/EM =80hr ;										
444-2-4	DC Potential Transducers (DCPTs)-Procure	207	30SEP05*	31JUL06	192		0.00	15,659.25				41=12\$;										
444-2-6	DC Potential Transducers (DCPTs)-Install	200	01MAR06*	12DEC06	119		0.00	33,603.00				EE/EM =40hr ; EE//SM =40hr ; EE//TB =280hr ;										
444-2-8	DC Potential Transducers (DCPTs)-Commission	120	21JUL06*	17JAN07	119		0.00	16,697.40				EE/EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;										
444-3-2	DC Shunts-Dsn	122*	01OCT04*	01APR05	415		0.00	14,844.00				VANKIRK =80hr ; Raki =40hr ;										
444-3-4	DC Shunts-Procure	224	29SEP05*	22AUG06	176		0.00	41,756.29				41=32\$;										
444-3-6	DC Shunts-Install	130	20MAR06*	20SEP06	176		0.00	34,403.20				EE/EM =32hr ; EE//SM =64hr ; EE//TB =280hr ;										
444-3-8	DC Shunts-Commission	65	21SEP06*	22DEC06	131		0.00	17,077.81				EE/EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;										
444-4-2	Signal Conditioning & Cabling-Dsn	99	23SEP05*	20FEB06	195		0.00	52,846.67				EA/DM =80hr ; EE/EM =280hr ;										
444-4-4	Signal Conditioning & Cabling-Procure	188	13OCT05*	17JUL06	135		0.00	11,745.00				41=09\$;										
444-4-6	Signal Conditioning & Cabling-Install	130	16MAY06*	16NOV06	135		0.00	29,050.34				EE/EM =40hr ; EE//TB =280hr ;										
444-4-8	Signal Conditioning & Cabling-Commission	65	15SEP06*	18DEC06	135		0.00	21,559.32				EE/EM =80hr ; EE//SM =40hr ; EE//TB =40hr ;										
445 - Coil Protection Systems																						
445-1-2	Ground Fault Protection-Dsn	142	01OCT04*	29APR05	282		0.00	21,040.00				VANKIRK =80hr ; Raki =80hr ;										
445-1-4	Ground Fault Protection-Procure	187	24NOV04*	26AUG05	199		0.00	3,876.00				41=03\$;										
445-1-6	Ground Fault Protection-Install	223	05OCT05*	25AUG06	173		0.00	18,137.60				EE/EM =32hr ; EE//SM =32hr ; EE//TB =120hr ;										
445-1-8	Ground Fault Protection-Commission	65	05OCT06*	15JAN07	121		0.00	12,028.80				EE/EM =32hr ; EE//SM =32hr ; EE//TB =32hr ;										
445-2-0	Overload Protection & Cabling-Prelim Dsn	131*	01MAR04*	01SEP04	1,279		0.00	89,287.20				vankirk =160hr ; raki =328hr ; marsala=88; ee/tb=112;41=\$ 4 k										
445-2-1	Overload Protection & Cabling-Peer Review	0	02SEP04	01SEP04	1,279		0.00	0.00														
445-2-2	Overload Protection & Cabling-FinalDsn	65	05OCT05*	13JAN06	120		0.00	37,740.00				EA/DM =240hr ; EE/EM =72hr ;										
445-2-4	Overload Protection & Cabling-Procure	136	30SEP05*	19APR06	173		0.00	36,537.32				41=28\$;										

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float	PCTC	Earned value cost (BCWP)	Budgeted Cost (loaded without Conting)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
730.1101X	*****pbr adrd Field Period Assembly-Position	12	23JAN07	07FEB07	112		0.00	44,601.60				em/sm=96; em/tb=384								
730.1102	3rd Field Period Assembly-Weld	4	08FEB07	13FEB07	112		0.00	14,867.20				em/sm=32; em/tb=128								
730.1103	3rd Field Period Assembly-Leak Check	5	14FEB07	20FEB07	112		0.00	18,584.00				em/sm=40; em/tb=160								
730.1130	Make Final Vacuum Pump Connections to VV	13	21FEB07	09MAR07	112		0.00	37,168.00				em/sm=80; em/tb=320								
730.1140	PTP Pumpdown & leak check VV (WBS 220-025)	10	12MAR07	23MAR07	112		0.00	47,012.00				support labor em/em=40; em/sm=160; em/tb=240								
730.1150	Raise lower PF-3,4,5&6 coils into final position	3	26MAR07	28MAR07	112		0.00	11,615.00				em/sm=25; em/tb=100								
730.1170	Install PF Solenoid into position (U/L 1&2 PF)	4	29MAR07	03APR07	112		0.00	13,938.00				em/sm=30; em/tb=120								
730.1175	Install Upper PF-3,4,5 & 6 coils	3	04APR07	06APR07	112		0.00	11,615.00				em/sm=25; em/tb=100								
730.1180	Install Bus connections to coil sys (WBS 431-131	40	09APR07	04JUN07	112		0.00	0.00												
730.1210	Connect Cooling System (WBS 61)	30	26MAR07	04MAY07	132		0.00	0.00												
730.1230	Complete Bus connections (WBS 4)	40	09APR07	04JUN07	112		0.00	37,168.00				em/sm=80; em/tb=320								
730.1249	Operational Readiness Assessment	20	07MAY07	04JUN07	112		0.00	0.00												
730.1250	Operational Readiness	0		04JUN07	112		0.00	0.00												
730.8075	Prep Cryostat for installation	10	05OCT07	18OCT07	112		0.00	66,128.00												
730.8100	Cryo stat installation & Test & Cooldown	20	19OCT07	15NOV07	112		0.00	132,256.00												
730.8200	Cold Power Test PTP	10	16NOV07	03DEC07	112		0.00	66,128.00												
76 - Tooling Design & Fabrication																				
713.020	Lab Fab/Assy/Installation	764*	01OCT04*	28SEP07	519		0.00	29,973.45												
713.030	Tooling,assy fixtures,misc equipt	383*	03APR06*	28SEP07	519		0.00	80,177.55												
713.040	General procurements	383*	03APR06*	28SEP07	519		0.00	60,133.16												
713.050	Welding tools, materials & equipt	383*	03APR06*	28SEP07	519		0.00	53,451.70												
77 - Measurement Systems																				
780.000	No additional tools/devices needed.	1,106*	02FEB04	30MAY08	348		0.00	0.00												
81 - Project Management and Control																				
Job: 8101 - Project Management & Control-NEILSON																				
FY03 Actual Cost																				
810.001	Apr-Sept MIE Cost PPPL	128*	01APR03A	30SEP03A		100	387,340.00	387,340.00												
810.009	PDR Support	3*	01OCT03A	31OCT03A		100	41,163.08	41,163.08												
810.010	CD-3 Readiness - Update Assy & Installation plan	65	01APR04*	01JUL04	1,346		0.00	0.00												
810.015	CD-3 Readiness - Update resource loaded schedule	65	01APR04*	01JUL04	1,346		0.00	0.00												
810.020	CD-3 Readiness - Update risk management plan	65	01APR04*	01JUL04	1,346		0.00	0.00												

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									FY04	FY05	FY06	FY07	FY08	FY09	FY10					
810.025	CD-3 Readiness - Update Value mgt/engr doc.	65	01APR04*	01JUL04	1,346		0.00	0.00												
810.028	CD-3 Readiness - Update Project Controls doc.	65	01APR04*	01JUL04	1,346		0.00	0.00												
810.030	CD-3 Readiness - Update Acquisition Strategy	65	01APR04*	01JUL04	1,346		0.00	0.00												
810.035	CD-3 Readiness - Update Proj Exec Plan (PEP)	65	01APR04*	01JUL04	1,346		0.00	0.00												
810.040	CD-3 Readiness - Assess/Update Integr Proj Team	65	01APR04*	01JUL04	1,346		0.00	0.00												
810.002	Project Management Office PPPL FY04	256*	01OCT03A	30SEP04	1,283	LOE	228,799.40	689,154.82				Neilson=1467; Schmidt=884; 41=06\$; 35=08\$; Strykowski =884hr ; Hampron =624hr ;								
810.003	Project Management Office PPPL FY05	255*	01OCT04*	30SEP05	1,028		0.00	538,759.58				R///RM3 =1645hr;41=06\$; 35=08\$; FC//AM =884hr ; B///CB =624hr ;								
810.004	Project Management Office PPPL FY06	254*	03OCT05*	29SEP06	519		0.00	492,727.12				R///RM3 =1520; 41=02\$; 35=04\$; FC//AM =884hr ; B///CB =312hr ;								
810.004X	Project Management Office PPPL FY07	65	02OCT06	04JAN07	519		0.00	140,228.10				R///RM3 =380; 41=02\$; 35=04\$; FC//AM =221hr ; B///CB =80hr ;								
810.005	Project Management OfficePPPL FY07	190*	05JAN07	28SEP07	519		0.00	341,782.20				R///RM3 =983; FC//AM =672hr								
810.900	Project Management Office PPPL 1 mo SO	21	01OCT07*	29OCT07	351		0.00	42,310.60				R///RM3 =122;fc/am=71;35=.5								
810.990	Project Management Office PPPL 1 mo SO	21	30OCT07*	27NOV07	351		0.00	42,310.60				R///RM3 =122;fc/am=71;35=.5								
810.991	Project Management Office PPPL 1 mo SO	21	28NOV07*	31DEC07	351		0.00	42,310.60				R///RM3 =122;fc/am=71;35=.5								
810.992	Project Management Office PPPL 1 mo SO	21	02JAN08*	30JAN08	351		0.00	42,310.60				R///RM3 =122;fc/am=71;35=.5								
810.993	Project Management Office PPPL 1 mo SO	21	31JAN08*	28FEB08	351		0.00	42,310.60				R///RM3 =122;fc/am=71;35=.5								
810.994	Project Management Office PPPL 1 mo SO	21	29FEB08*	28MAR08	351		0.00	42,310.60				R///RM3 =122;fc/am=71;35=.5								
810.995	Project Management Office PPPL 1 mo SO	21	31MAR08*	28APR08	351		0.00	42,310.60				R///RM3 =122;fc/am=71;35=.5								
810.996	Project Management Office PPPL 1 mo SO	21	29APR08*	27MAY08	351		0.00	42,310.60				R///RM3 =122;fc/am=71;35=.5								
Job: 8102 - NCSX MIE Management ORNL-LYON																				
FY03 Actual Cost																				
810.101	Apr-Sept MIE Cost ORNL	129*	01APR03A	30SEP03A		100	58,600.00	58,600.00												
810.102	Project Management Office ORNL FY04	256*	01OCT03A	30SEP04	1,283	LOE	39,915.77	120,228.22				ORNLRM =358hr; Akers=178; Benson=178 ORNL41 =03\$; ORNL35 =04\$;								
810.103	Project Management Office ORNL FY05	255*	01OCT04*	30SEP05	1,028		0.00	85,894.36				ORNLRM =180hr; Benson=143; Akers=178 ORNL41 =02\$; ORNL35 =03\$;								
810.104	Project Management Office ORNL FY06	254*	03OCT05*	29SEP06	519		0.00	49,323.49				ORNLRM =180hr ORNL41 =2\$ Benson=89								
810.104X	Project Management Office ORNL FY06	65	02OCT06	04JAN07	519		0.00	14,321.54				ORNLRM =45hr ORNL41 =2\$ Benson=22								
810.105	Project Management Office ORNL FY07	190*	05JAN07	28SEP07	519		0.00	33,631.32				ORNLRM =178								
810.901	Project Management Office ORNL 1 mo SO	21	02OCT07*	30OCT07	350		0.00	2,834.10				ORNLRM =15hr								
810.980	Project Management Office ORNL 1 mo SO	21	31OCT07*	28NOV07	350		0.00	2,834.10				ORNLRM =15hr								
810.981	Project Management Office ORNL 1 mo SO	21	03DEC07*	02JAN08	350		0.00	2,834.10				ORNLRM =15hr								
810.982	Project Management Office ORNL 1 mo SO	21	03JAN08*	31JAN08	350		0.00	2,834.10				ORNLRM =15hr								
810.983	Project Management Office ORNL 1 mo SO	21	01FEB08*	29FEB08	350		0.00	2,834.10				ORNLRM =15hr								
810.984	Project Management Office ORNL 1 mo SO	21	03MAR08*	31MAR08	350		0.00	2,834.10				ORNLRM =15hr								
810.985	Project Management Office ORNL 1 mo SO	21	01APR08*	29APR08	350		0.00	2,834.10				ORNLRM =15hr								

