

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmpl	ETC	FY08					FY09		
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D
								Phil Heitzenroeder							
Brooks															
Job: 8204 - Systems Analysis-BROOKS															
X	8204-FY08Z	Syst Analysis, studies & tech assurance FY08 etc	85*	02JUN08*	30SEP08	LOE	41,999.27						Brooks = .19 ZHANG = .09 Fan = .14		
	8204-FY09	Systems Analysis, studies & tech assurance FY09	249*	01OCT08*	30SEP09	LOE	391,496.29						Brooks = .60 ZHANG = .30 Fan = .31		
Brown															
Job: 8203 - Design Integration-BROWN															
	8203FY08-2	Facility models update&integration	377*	01APR08A	30SEP09	LOE	55,544.99								
	8203FY08-3	Cryostat design rrw & integration update	41	05JUN08*	01AUG08		35,066.40						EA/EM = 120hr ; EA/DM		
X	8203FY08-4	General integration activities	170*	01FEB08A	30SEP08	LOE	13,991.20						EA/EM = 80hr EA/DM = 120hr		
	8203FY09.2	FY09	249*	01OCT08*	30SEP09	LOE	654,581.80								
Chrzanowski															
Job: 1302 - PF Design -CHRZANOWSKI															
X	1302-275	Resolve FDR Chits	70*	22FEB08A		90	0.00						CHRZANOWSKI = 40hr ; SV=40		
Job: 1352 - PF Coil Procurement-CHRZANOWSKI															
PF Coil Fabrication															
	141-035E	DOE Approval	0		30MAY08*		0.00								
X	141-038.1	PF Conductor cancellation cost	105*	21FEB08A	18JUL08	C	93,150.00						41=75 etc		
	141-035D	PPPL Receive PF conductor	0		18JUL08		0.00								
	141-036	PF Coils Awarded	0		12JUN08*		0.00								
	1352-121	Design/Fab Tooling	85	13JUN08*	13OCT08		565,575.10						41=250; 48=2		
	1352-145	Fabricate/Divr PF 5 & 6 Lower	84	14OCT08*	19FEB09		160,948.59						48=157.325		
	1352-151	Fabricate/Divr PF 4 lower & upper	249	14OCT08*	13OCT09		92,683.76						48=90.52		
	141-031	Title III engr WBS 132	370	02JUN08*	19NOV09	LOE	140,102.62								
Cole															
Job: 1353 - CS Structure Procurement-COLE															
CS Support Structure															
	1353-001	Design PF1a upper to lower interconnect bus	12	31JUL08*	15AUG08		21,140.00						ornlem=140		
	1353-002	Engr & analysis of bus	15	18AUG08	08SEP08		15,100.00						ornlem=100		
	1353-002A	FDR	0		08SEP08		0.00								
Job: 1355 - WBS 13 I&C Proc and Coil Assy-COLE															
TF/PF Local I&C															
	1355-101	Peer Review	10	01JUL08*	15JUL08		6,040.00						ornlem = 40hr ;		
	1355-102	PDR Prep	10	16JUL08*	29JUL08		6,040.00						ornlem = 40hr ;		
	1355-102M	PDR	0		29JUL08		0.00								
	1355-102C	Resolve PDR Chits	10	30JUL08	12AUG08		6,040.00						ORNLDM = 40hr ;		
	1355-103	Prepare Installation Procedures	20	30JUL08	26AUG08		6,040.00						ORNLDM = 40hr ;		
	1355-104.1	Prepare-Assy Dwg	5	30JUL08	05AUG08		7,920.00						ORNLDM = 80hr ;		
	1355-104.2	Prepare-Details voltage taps	5	06AUG08	12AUG08		3,960.00						ORNLDM = 40hr ;		
	1355-104.3	Prepare-PID schematic	5	13AUG08	19AUG08		3,960.00						ORNLDM = 40hr ;		
	1355-104.4	Prepare-Interface inside cryostat	5	20AUG08	26AUG08		3,960.00						ORNLDM = 40hr ;		
	1355-104.5	Prepare-Details interface thru cryostat	5	27AUG08	03SEP08		3,960.00						ORNLDM = 40hr ;		
	1355-104.6	Prepare-Interface outside cryostat	5	04SEP08	10SEP08		3,960.00						ORNLDM = 40hr ;		
	1355-105	TF/PF Local I&C - FDR Prep	5	04SEP08	10SEP08		6,040.00						ORNLDM = 40hr ;		

Run Date: 04JUN08 09:15

█ FORECAST SCHEDULE
 Progress Bar
█ Critical Activity

0805

NCSX Project
 Closeout Scope
 and
 5 month lookahead

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INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmpl	ETC	FY08				FY09					
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D		
																ORNL	
	1355-106	TF/PF Local I&C - FDR	0		10SEP08		0.00										
	1355-105C	Resolve FDR Chits	10	11SEP08	24SEP08		6,040.00										
	1355-107	Prep req,bid,award T/C and wire	20	25SEP08	22OCT08		1,878.72										
	1355-109	Deliver of T/C and wire	40	23OCT08	19DEC08		13,060.00										
Job: 1416 - Mod Coil Type AB Fnl Dsn-COLE																	
Analysis and closeout documentation																	
X	1416-601	Prepare EM and structural analysis of leads	107*	31JAN08A	30JUN08	70	15,279.00										
X	1416-650	Prepare cooling analysis of lead area	18	02JUN08*	25JUN08		24,160.00										
X	1416-651	Prepare cooling analysis coefficient for cryosta	18	02JUN08*	25JUN08		12,080.00										
ECN Modifications																	
X	1416-801	ECN Mods-Resize vertical port boot	40*	01MAY08A	26JUN08	40	3,624.00										
X	1416-802	ECN Mods-Revise Type B cooling lines	40*	01MAY08A	26JUN08	40	1,812.00										
X	1416-803	ECN Mods-Issue DXF shim files for fab	40	02JUN08*	28JUL08		3,020.00										
X	1416-805	ECN Mods-Add TC's at bottom of 101,102,103 dwgs	40*	01MAY08A	26JUN08	80	2,416.00										
X	1416-806	ECN Mods-Revise dwg 123-151	40	02JUN08*	28JUL08		1,510.00										
Job: 1421 - Mod Coil Interface Design-COLE																	
Inboard Interface-CC																	
X	1421-3155	Resolve C-C shim FDR comments	21	02JUN08*	30JUN08		18,120.00										
X	INTRF-100	Misc travel, meetings,reporting,job 1416&1421	271*	01MAY07A		LOE	0.00										
Job: 1901 - Stellarator Core Mngtt&Integr-COLE																	
191 - Stellarator Core Management & Oversight																	
X	1901-08	WBS 191 FY08	249*	01OCT07A	29SEP08	LOE	61,023.96										
X	1901-09	WBS 191 FY09	121*	01OCT08*	31MAR09	LOE	46,385.40										
192 - Stellarator Core Integr & Global Analysis																	
X	1902-08	WBS 192 FY08	249*	01OCT07A	29SEP08	LOE	50,185.84										
	1902-09	WBS 192 FY09	247*	01OCT08*	28SEP09	LOE	713,092.71										
193 - Risk Mitigation Tasks																	
	RISK-43	Bolt preload could relax with time.	61	03MAR08A	26AUG08	10	34,443.00										
	RISKMIT	Field Period Assy Risk Mitigation Tasks Complete	0		26AUG08		0.00										
	RISK-696	consider a bringing all 3 120 degree field perio	227	03MAR08A	29APR09	20	153,221.03										
	ADD-01	Nomex batt insulation	20	02JUN08	27JUN08		0.00										
Job: 1806 - FP Assembly specs and drawings-COLE																	
1.00-VV Prep Station																	
	1803-609	Detail dwgs-spool piece	50	22AUG08	31OCT08		20,218.60										
Station 3-Modular Coil to VVSA Assembly																	
X	1803-301	Station 3 Assembly Specification	239*	02JUL07A	16JUN08	90	3,624.00										
X	1803-305	Station 3 Assembly Drawings	239*	02JUL07A	16JUN08	90	1,584.00										
Station 5-Final Field Period Assembly																	
	1803-501	Station 5 Assembly Specification	0*	17JUN08*	16JUN08		0.00										
	1803-509	Field period Assy Dwgs prelim only	132*	01FEB08A	06AUG08	60	34,056.00										
6.00-Final Machine Assembly																	
	1803-601	Station 6 Assembly Specification	120	02JUN08*	18NOV08		67,331.92										
	1803-605	Station 6 Assembly Drawings prelim only	141*	01MAY08A	18NOV08	30	46,351.11										
	1803-613	Detail dwgs-man access port (deleted)	0	02JUN08	30MAY08		0.00										

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								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D		
	1803-010	meetings,reporting,/presentations assy models	194*	31JAN08A	31OCT08	LOE	114,603.75										ORNLEM dsn revie
Dahlgren																	
Job: 1702 - Base Support Struct Design-DAHLGREN																	
X	1702-530	FDR labor cost (accounting lag)	10	02JUN08	13JUN08		11,688.80										
Job: 1501 - Coil Structures Design-DAHLGREN																	
X	1501-533	Detail CAD Drawings,BOM	270*	01JUN07A	30JUN08	75	21,319.30										EA//EM =20hr ; EA//DM =710 ;
X	1501-533F	Integrated Stress Analysis	186*	01OCT07A	30JUN08	75	27,202.56										EA//EM =640hr ;
X	1501-536	Issue dwgs for review	0		30JUN08*		0.00										
X	1501-549	Update C.S.Support Attacment Design	27*	01MAY08A	09JUN08	75	2,036.70										ea//em=20;ea//dm=40
X	1501-562	Prepare Specs for Coil Structure & CSS h/w	5	24JUN08	30JUN08		3,542.00										EA//EM =20hr ;
X	1501-537	FDR Prep	5	24JUN08	30JUN08		12,370.68										EA//EM =38hr ; EA//DM =49 ;
X	1501-541	Coil Support Structures - FDR	0		30JUN08		0.00										
	1501-545	Resolve Chits	5	01JUL08	08JUL08		5,844.40										EA//EM =20hr ; EA//DM =20 ;
	1501-558	Prepare requisition for Coil Structure & CSS h/w	10	09JUL08	22JUL08		3,542.00										EA//EM =20hr ;
Ellis																	
Job: 8205 - Dimensional Control Coordin-ELLIS																	
Station 3-Modular Coil to VVSA Assembly																	
X	METFY08R	Support FPA Station 2	170*	01FEB08A	30SEP08	LOE	15,939.00										ellis =90hr ea//
X	METDCP-3	Dimensional control plans for station 3	92*	01FEB08A	10JUN08	67	4,675.44										EA//EM =80hr ;
X	STAT3 PREP	Station 3 preparations	20	02JUN08	27JUN08		14,168.00										ellis =80
	METFY08RX	Support FPA Station 3	341	30OCT08*	22MAR10	LOE	90,836.46										ellis =240 hr ea//em=240hr
	METDCP-5	Dimensional control plans for station 5	40	06AUG08	01OCT08		21,282.99										EA//EM =120hr ;
Goranson																	
Job: 1601 - Coil Services Design-GORANSON																	
161 - LN2 Distribution																	
	191-001	Title I design WBS 161 LN2 manifolds&piping	86*	01FEB08A	02JUN08		585.00										ORNLEM =391hr ;
X	191-002	Coil Serv-LN2 manifolds&piping-PDR prep etc	3*	03JUN08	05JUN08		14,496.00										
	162-011A	R&D pressure drop simulation	15	06JUN08	26JUN08		13,040.00										ORNLEM =40hr ;ornl41=7.0
X	162-217	PDR	0		05JUN08		0.00										
	161-003	Resolve PDR comments	5	06JUN08	12JUN08		6,040.00										ORNLEM =40hr ;
	161-004	Update cost estimate for Coil Services	0		30JUN08*		0.00										
	191-011	Title II design WBS 161 LN2 manifolds&piping	60	13JUN08	08SEP08		71,500.00										ORNLEM =522hr ;
	191-012	Coil Services-LN2 manifolds&piping - FDR	1	09SEP08	09SEP08		1,208.00										ORNLEM =08hr ;
	161-110	Fabrication specifications	65	09JUN08	09SEP08		48,320.00										ornlem=320
	191-037	Prep Req,Bid,Award-manifolds,hoses,valves etc	25	10SEP08*	14OCT08		0.00										
	191-038	Fab and deliver-manifold assy,hoses,valves etc	90	15OCT08*	02MAR09		134,774.55										4 =52.205\$sk ; EM//TB =564hr ; em//sm=141
	161-100	meetings/reporting/presentations	128*	01FEB08A	31JUL08	LOE	3,805.20										ornlem=75
	191-031	Title III engr WBS 161	118	10SEP08	05MAR09	LOE	34,424.59										
162 - Electrical Leads																	
	1416-503C	Complete drawings of MC power cable connections	95*	01FEB08A	13JUN08	50	0.00										
	161-209	Route MC leads	0		13JUN08*	50	0.00										
	132-001	Title I design WBS 162 Coil leads	143*	01FEB08A	21AUG08		28,725.00										ORNLEM =566hr ;
	161-205	Determine lead gauges	0		30MAY08*	90	0.00										
	161-207	Locate Thermal Transition Boxes (TTB)	0		09JUN08*		0.00										
	161-211	Route PF, TF leads	0		11JUL08*		0.00										
	161-213	Layout of TF, PF terminations	0		25JUL08*		0.00										
	161-215	Layout of TTB	0		12AUG08*	25	0.00										
	161-217	Develop SRD	0		15AUG08*		0.00										
	132-002	Coil Services-Electr Coil leads - PDR (incl SRD)	1	22AUG08	22AUG08		1,208.00										ORNLEM =08hr ;

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								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D			
	161-219	PDR	0		22AUG08		0.00											
	162-003	Resolve PDR comments	5	25AUG08	29AUG08		6,040.00											
	132-011	Title II design WBS 162 Coil leads	139	02SEP08	26MAR09		108,061.24											
	162-013	Release final drawings for MC lead stubs	26	25AUG08	30SEP08		0.00											
	162-013.1	Procure MC lead stubs	65	01OCT08	12JAN09		18,806.40											
	161-011A	R&D build mounts & lead terminations	60	25AUG08	17NOV08		24,432.13											
	162-100	meetings/reporting/presentations	170*	01FEB08A	30SEP08	LOE	10,947.50											
163 - Coil Protection System																		
	163.001	interface design electric leads inside cryostat	64	01OCT08*	09JAN09		31,576.20											
Heitzenroder																		
Job: 8202 - Engr Mgmt & Sys Eng Sprt-HEITZENROED																		
	X	8205DC	document control & admin support	291*	01FEB08A	31MAR09	LOE	23,630.52										
	X	8205FY08.2	Engr mgt & systems engr FY08	170*	01FEB08A	30SEP08	LOE	249,616.43										EA/EM =954h EA/EM =190h EE/EM =190h
	X	8205FY09	Engr mgt & systems engr FY09	121*	01OCT08*	31MAR09	LOE	205,071.82										
Job: 8221 -Documentation Closeout-HEITZENROEDER																		
Safe and store NCSX hardware assets																		
	X	8221-100	Documentation	20	02JUN08	27JUN08		0.00										
Kalish																		
Job: 1361 - TF Fabrication-KALISH																		
TF Title III and Fabrication Oversight																		
	X	131-033C	Title III engr,inspection, support	184*	02JAN08A	18SEP08	LOE	45,603.23										etc= Kalish
TF Fabrication Contract																		
	X	1361C-114	Fab, Test & Deliver Coil #14	21*	27MAY08A	24JUN08	61	18,550.00										48=47 ;
	X	1361C-115	Fab, Test & Deliver Coil #15	1	17JUL08*	17JUL08		47,220.00										48=47 ;
	X	1361C-116	Fab, Test & Deliver Coil #16	1	08AUG08*	08AUG08		47,220.00										48=47 ;
	X	1361C-117	Fab, Test & Deliver Coil #17	1	02SEP08*	02SEP08		47,220.00										48=47 ;
	X	1361C-118	Fab, Test & Deliver Coil #18	1	24SEP08*	24SEP08		47,220.00										48=47 ;
	X	1351-195X	ALL TF COILS DELIVERED	0		24SEP08		0.00										
Job: 1354 - Trim Coil Design &Procurement-KALISH																		
Trim Coil **Updated estimate**																		
	X	TRIM-170	Complete Trim Coil Detailed Drawings	69*	25MAR08A	30JUN08	80	7,658.04										kalish =68hr ; RUSHINSKI =114hr CRUIKSHANK=114
	X	TRIM-200	Assy drawings & parts list	64*	01APR08A	30JUN08	90	2,019.00										kalish =36hr ; RUSHINSKI =60hr ; CRUIKSHANK=60
		TRIM-240	Trim Coil Procurement time	29	01JUL08*	11AUG08		12,007.44										kalish =60hr ;RUSHINSKI
		TRIM-250	AWARD TRIM COIL PROCUREMENT	0		11AUG08*		0.00										
		TRIM-260	Vendor Design and Fixture Fabrication	80	12AUG08	04DEC08		255,600.00										41=200\$;
		TRIM-274	Trim Coil Bracket Procurement time	25	02SEP08*	06OCT08		8,079.66										kalish=40;rushinski=8
		TRIM-274M	Award Trim Coil Brackets	0		06OCT08		0.00										
		TRIM-300	Fabricate Brackets for 1st FPA	40	07OCT08	03DEC08		158,496.16										41=121.36\$;
		TRIM-399	Title III support & oversight	231	12AUG08	16JUL09	LOE	136,305.28										
Perry																		
Job: 1752 - Base Support Proc-PERRY																		
172 - Base Support Structure																		
		161-036.8	Bid and award base support materials	30	19AUG08*	30SEP08		2,125.20										ea/em=12
		161-036.9	Deliver base support materials	130	01OCT08	13APR09		192,190.96										41=147.156\$;
		161-038	Title III	306	16JUN08*	03SEP09	LOE	7,064.26										
Job: 1550 - Coil Struct. Procurement -PERRY																		
		1501-245	Solicit Bids, and Evaluate Bids	35	23JUL08	10SEP08		0.00										
		162-036.9	Award Coil Support Structure	0		10SEP08*		0.00										
		162-037	Fabricate structure components	100	11SEP08	10FEB09		910,562.12										41=250; 48=574.93

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								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D	
	162-050	Prep req, bid and award G11/Teflon parts	25	01OCT08*	04NOV08		0.00									
	162-052	Prep req, bid and award Inconel hardware	25	01OCT08*	04NOV08		0.00									
	162-055	Prep req, bid and award Belleville Washers	25	01OCT08*	04NOV08		0.00									
	162-031	Title III engr WBS 151	117	11SEP08*	05MAR09	LOE	12,125.75									EM/EM =75hr ;
Job: 8215 Plant Design																
FY07 Rebaseline Exercise																
	8210-08	Plant Design	746*	01FEB08A	31JAN11	LOE	114,963.38									
Raftopolous																
Job: 1701 - Cryostat Design																
	1701-090	Cryostat Configuration Peer Review	0		30MAY08*		0.00									
	1701-100	Cryostat- Conceptual Design	56	02JUN08*	19AUG08		91,314.08									EA/EM =344hr ; EA/S
	62122-306	Review of current baseline cryo system dsn	0		10JUN08*		0.00									
	62122-307	Review of alternate cryo system design	0		30JUN08*		0.00									
	1701-095	Decide on Cryostat Concept	0		02JUL08*		0.00									
	1701-091	Update cost estimate for Cryostat & cryo systems	0		02JUL08		0.00									
	1701-100M	INTEGRATED CRYO SYSTEMS CDR (wbs 16,17,62)	0		19AUG08		0.00									
	1701-101	Cryostat- Preliminary Design	91	20AUG08	07JAN09		142,229.40									
	1701-103	Cryostat-R&D/prototype	118	14JUL08	07JAN09		137,606.86									
	1751-169	Cryogenic consultant (Garzotto)	42*	01MAY08A	30JUN08	LOE	420.00									2 days/week 41=\$21
	1751-170	Cryostat & Cryogenic systems oversight&reporting	226*	01FEB08A	19DEC08	LOE	8,480.29									
Job: 6201 - Cryogenic Syst																
621 - LN2 Supply & LN2 coil cooling supply																
	62122-300	Conceptual Design	71	02JUN08*	10SEP08		97,809.92									EA/EM =352hr ; EA/SB =136hr ;
	62122-308	Update cost estimate for Cryogenic systems	0		30JUN08*		0.00									
	62122-310	LN2 Supply & LN2 Coil Cooling CDR (wbs 16,17,62)	0		10SEP08		0.00									
	62122-320	Preliminary Design	91	11SEP08	28JAN09		126,785.31									
	6201-169	Cryogenic consultant (Vic Garzotto)	493	02JUN08*	25MAY10	LOE	0.00									
623 - GN2 Cryostat Cooling System																
	623-099	GN2 Cryostat Cooling Sys Conceptual design	71	02JUN08*	10SEP08		32,586.40									ea/em=184
	623-101	GN2 Cryostat Cooling Sys-Preliminary Design	91	11SEP08	28JAN09		158,850.41									
	623-102	GN2 Cryostat Cooling Sys-Fab & test prototype	91	11SEP08	28JAN09		102,879.71									
	623-121	GN2 Cryostat Cooling Sys-Cooldown& thermal anlys	91	11SEP08	28JAN09		44,601.78									EA/EM =240hr ;

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								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D				
Larry Dudek																			
Blanchard																			
Job: 2201 - Vacuum Pumping Systems-BLANCHARD																			
	220-101	Preliminary Design	83	01OCT08*	05FEB09		126,871.80												
Brown																			
Job: 1803/1805- FPA Tooling/Constr-BROWN																			
Station 3-Modular Coil to VVSA Assembly																			
X	1803S3-4	Generate laser screen trace drawings (1/2 period)	15	23JUN08	14JUL08		13,235.20												
X	1803S3-6	Station 3 simulation detail model	21	02JUN08*	30JUN08		22,704.00												
X	1803S3-7	VV/MC clearance study (for VVSA1)	64*	01APR08A	30JUN08	75	1,537.80												
X	1803S3-7B	VV/MC clearance study (for VVSA 2 and 3)	11	01JUL08*	16JUL08		12,302.40												
X	1803S3-9	Oversite, cost and schedules, reviews	171*	31JAN08A	30SEP08	LOE	3,520.75												
	1803S3-2A	Updated Stat 3 seq plan after MCHP/VV trial assy	5	03SEP08*	09SEP08		0.00												
X	1805S3-2	Left side base grout plates	70*	24MAR08A	30JUN08	99*	2,620.62												
X	1805S3-3	MCHP lift fixture frame weldment	70*	24MAR08A	30JUN08	99*	9,091.44												
X	1805S3-4	Lift fixture mounting bracket weldments	70*	24MAR08A	30JUN08	99*	14,717.70												
X	1805S3-5	Reworked laser frame structure	70*	24MAR08A	30JUN08	99*	1,117.80												
X	1805S3-6	Right inboard laser frame structure	70*	24MAR08A	30JUN08	99*	1,055.70												
X	1805S3-7	Left inboard laser frame structure	70*	24MAR08A	30JUN08	99*	844.56												
X	1805S3-8	Laser screen lexan sheet (1/8 x 48" x 96")	70*	24MAR08A	30JUN08	99*	546.48												
X	1805S3-9	Estimate for Station 2 type alignment system	70*	24MAR08A	30JUN08	99*	4,024.08												
X	1805S3-100	Hardware & Misc items	70*	24MAR08A	30JUN08	99*	1,242.00												
X	1805S3-110	Misc assembly Cost	70*	24MAR08A	30JUN08	99*	10,060.20												
X	1805S3-201	MC base support system (left / rt side)	70*	24MAR08A	30JUN08	99*	15,512.58												
X	1805S3-202	Hilman roller - 8-OT plus R & U guides	70*	24MAR08A	30JUN08	99*	2,943.54												
X	1805S3-203	AirLoc Wedgmount Precision Levelers	70*	24MAR08A	30JUN08	99*	707.94												
X	1805S3-204	Lift fixture mounting bracket weldments	70*	24MAR08A	30JUN08	99*	4,409.10												
X	1805S3-205	Estimate for Station 2 type alignment system	70*	24MAR08A	30JUN08	99*	1,204.74												
X	1805S3-206	Hardware & Misc items	70*	24MAR08A	30JUN08	99*	372.60												
X	1805S3-207	Misc assembly Cost	171*	31JAN08A	30SEP08		5,005.26												
Station 5-Final Field Period Assembly																			
	1803S5.2	Updated Station 5 seq. plan (afterCryo CDR)	10	11SEP08*	24SEP08		5,667.20												
	1803S5-4	Station 5 (and 3) lift fixture structures and li	10	01OCT08*	14OCT08		23,753.60												
	1803S5-7	VV work platforms	17	01OCT08*	23OCT08		14,404.80												
	1803S5-8	Station 5 support structural analysis	95*	01MAY08A	15SEP08	50	14,168.00												
	1803S5-10	Station 5 FDR - Base support	22	02SEP08*	01OCT08		7,102.78												
	1803-5.6	Station 5 Tooling/Assy FDR	0		01OCT08		0.00												
	1803S5-11	Base support release for fabrication	5	02OCT08	08OCT08		4,873.20												
	1803S5-12	Station 5 FDR - Lift fixtures, port tooling and	10	18SEP08*	01OCT08		7,125.32												
	1803S5-13	Complete dwgs package & release for fabrication	5	02OCT08	08OCT08		4,801.60												
	1803S5-14	Oversite, cost and schedules, reviews	170*	31JAN08A	29SEP08	LOE	6,998.99												
	1803S5-15	Complete station 5 design	0		23OCT08*		0.00												
	1805S5-1	FPA base support system	105	09OCT08	17MAR09		13,373.44												
	1805S5-2	Type-C side support structure	105	09OCT08	17MAR09		7,548.68												
	1805S5-3	NB side stabilizing support structure	105	09OCT08	17MAR09		4,884.44												
	1805S5-4	TF local temporary supports	105	09OCT08	17MAR09		1,436.60												
	1805S5-5	20 ton screw jacks	105	09OCT08	17MAR09		1,723.92												
	1805S5-6	AirLoc Wedgmount Precision Levelers	105	09OCT08	17MAR09		2,612.00												
	1805S5-7	Port 4 handling structure	105	09OCT08	17MAR09		5,746.40												
	1805S5-8	Small port handling structure	105	09OCT08	17MAR09		2,873.20												
	1805S5-9	Station 5 (and 3) lift fixture structures	105	09OCT08	17MAR09		9,808.06												
	1805S5-102	Hardware & Misc. items	105	09OCT08	17MAR09		2,612.00												
	1805S5-103	Misc. assembly Cost	105	09OCT08	17MAR09		10,578.60												

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmpl't	ETC	FY08							FY09								
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D								
6.00-Final Machine Assembly																							
	1803S6-1	Stage 6 FP support and roller system	187*	01APR08A	02JAN09	25	53,544.73																
	1803S6-3	Update Station 6 seq. plan (after cryo CDR)	10	21OCT08*	03NOV08		7,497.20																
	1803S6-6	Station 6 stress and deflection FEA study	24	09SEP08*	10OCT08		57,773.86																
	1803S6-7	Station 6 simulation model and clearance study	24	23SEP08*	24OCT08		27,628.40																
Chrzanowski																							
Job: 1408 - MC Winding Supplies-CHRZANOWSKI																							
	X	1408-3	Misc and safety supplies (\$7k/mo.)	276*	23MAY07A	30JUN08	LOE	7,923.96															
	X	1408-6	VPI clean manifold contract	276*	23MAY07A	30JUN08	80	2,484.00															
	X	1408-8	Cutting hardware for flange bolts	276*	23MAY07A	30JUN08	LOE	285.66															
	X	1408-7	Misc tech shop support	276*	23MAY07A	30JUN08	80	10,108.16															
Job: 1451 - Mod Coil Winding-CHRZANOWSKI																							
Station 3-Casting Prep & Winding																							
	X	P1-170	Instl Chill Plates,Tubing,Bag A6	22*	02JUN08	01JUL08		57,490.16															
Station 5-VPI																							
	X	P1-171V	VPI (Station 5) A6	19	02JUL08	29JUL08		47,514.31															
	X	P3-171VM	COMPLETE VPI OF 18th MOD COIL	0		29JUL08		0.00															
Station 1 Post VPI																							
	X	P2-171C	Final Clamps & Warm Test (Station1) B6	16	02JUN08	23JUN08		24,006.88															
	X	P1-171C	Final Clamps & Warm Test (Station1) A6	16	30JUL08	20AUG08		24,006.88															
LOE Oversight & Supervision																							
	X	145XSPRV-2	Winding Engineering oversight and supervision	314*	01MAY07A	31JUL08	LOE	24,990.58															
	X	145XSPRV-3	Winding Engineering oversight and supervision	356*	01MAY07A	30SEP08	LOE	42,266.43															
	X	145XSPRV-A	Winding Engineering oversight and supervision	185*	01NOV07A	31JUL08	LOE	63,168.64															
Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI																							
Punchlist Tech shop/RESA																							
	X	PLTS-C5	Grinding & Drill Holes -C5	85*	01MAY08A	29AUG08	83	3,221.98															
	X	PLTS-A5	Grinding -A5	85*	01MAY08A	29AUG08	0	6,949.36															
	X	PLTS-B5	Grinding -B5	85*	01MAY08A	29AUG08	0	9,476.40															
	X	PLTS-A6	Grinding -A6	85*	01MAY08A	29AUG08	20	3,095.62															
	X	PLTS-B6	Grinding -B6	85*	01MAY08A	29AUG08	0	9,476.40															
	X	PLTS-C6	Grinding & Drill Holes -C6	85*	01MAY08A	29AUG08	23	14,593.66															
Punchlist- Coil Technicians																							
		PLCT-A1	Insul,measure,TC, other punch list-A1	228*	01AUG07A	30JUN08	90	2,013.74															
		PLCT-A2	Insul,measure,TC, other punch list-A2	228*	01AUG07A	30JUN08	90	1,626.78															
		PLCT-B1	Insul,measure,TC, other punch list-B1	228*	01AUG07A	30JUN08	90	1,626.78															
		PLCT-C1	Insul,measure,TC, other punch list-C1	228*	01AUG07A	30JUN08	90	2,045.32															
		PLCT-B2	Insul,measure,TC other punch list-B2	205*	04SEP07A	30JUN08	90	1,626.78															
		PLCT-C2	Insul,measure,TC, other punch list-C2	248*	03JUL07A	30JUN08	90	2,013.74															
		PLCT-A3	Insul,measure,TC, other punch list-A3	247*	05JUL07A	30JUN08	90	1,903.18															
		PLCT-A4	Insul,measure,TC, other punch list-A4	246*	06JUL07A	30JUN08	90	1,903.18															
		PLCT-B3	Insul,measure,TC, other punch list-B3	186*	01OCT07A	30JUN08	90	1,626.78															
		PLCT-C3	Insul,measure,TC, other punch list-C3	186*	01OCT07A	30JUN08	90	2,045.32															
		PLCT-B4	Insul,measure,TC, other punch list-B4	186*	01OCT07A	30JUN08	90	1,626.78															
		PLCT-C4	Insul,measure,TC, other punch list-C4	233*	25JUL07A	30JUN08	90	2,179.57															
		PLCT-A5	Insul,measure,TC, other punch list-A5	230*	30JUL07A	30JUN08	90	1,626.78															
	X	PLCT-A6	Insul,measure,TC,SG other punch list-A6	229*	01OCT07A	29AUG08	36	10,411.40															
		PLCT-B5	Insul,measure,TC, other punch list-B5	186*	01OCT07A	30JUN08	90	1,626.78															
		PLCT-C5	Insul,measure,TC, other punch list-C5	186*	01OCT07A	30JUN08	90	2,013.74															
	X	PLCT-B6	Insul,measure,TC,SG other punch list-B6	229*	01OCT07A	29AUG08	36	10,411.40															
		PLCT-C6	Insul,measure,TC,SG other punch list-C6	186*	01OCT07A	30JUN08	90	1,618.89															

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmpl't	ETC	FY08				FY09					
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D		
	PLCT-C6M	COMPLETE MODULAR COIL FABRICATION	0		29AUG08		0.00										
	PLCT-CRANE	Crane support	143*	01DEC07A	30JUN08	LOE	3,830.83										
Cole																	
Job: 1260 NB Transition Ducts- COLE																	
	1260-191	Peer Review to Establish Requirements	20*	27MAY08A	23JUN08	10	10,872.00										
	1260-192	Review and Update Assbly Dwgs	20	24JUN08	22JUL08		12,080.00										
	1260-90	Prepare for PDR Neutral Beam Transition Duct	10	23JUL08	05AUG08		6,040.00										
	1260-95	NB Transition Ducts PDR	0		05AUG08		0.00										
	1260-195	Resolve PDR Chits	10	06AUG08	19AUG08		6,040.00										
	1260-196	Review and Update Port Mod Dwg	10	20AUG08	03SEP08		6,040.00										
	1260-197	Review and Update Large Rect Port Dwg	10	04SEP08	17SEP08		6,040.00										
	1260-198	Review and Small Large Rect Port Dwg	10	18SEP08	01OCT08		6,067.80										
	1260-199	Review and Update Weldment Dwgs	25	02OCT08	05NOV08		18,954.00										
Dudek																	
Job: 1204 - VV Sys Procurements (nonVVSA)-DUDEK																	
Thermal Insulation																	
	123-052	Fabricate&Deliver boot sheet metal parts r405209	65	01OCT08*	12JAN09		39,833.00										
Job: 1431 - Mod. Coil Interface Hardware-DUDEK																	
Bushings																	
	1421-3115	PPPL Machine bushings Bushings FPA 3	20	01AUG08*	28AUG08		9,871.25										
	1421-3109	All Bushings Fabricated	0		28AUG08		0.00										
Pucks																	
	1429-3110	PPPL cut and grind to thickness	169*	04FEB08A	30SEP08	11	1,620.46										
Shims-Outboard																	
X	1431-100	Complete PE007965 & 8090 with zenex	20	02JUN08	27JUN08		84,331.80										
	1429-3066	Outboard Shims	135	03MAR08A	02OCT08	27	371,326.70										
Shims-Inboard																	
X	1431-110	Complete PE007677 with white engr	20	02JUN08	27JUN08		12,705.66										
	1429-3062X	Inboard Shims	208*	03MAR08A	02JAN09	17	100,023.96										
Studs,Washers,Nuts																	
	1421-3070	Order studs & washers for c-c joint	15	02JUN08*	20JUN08		0.00										
	1421-3072	Deliver studs & washers for c-c joint	40	23JUN08	18AUG08		50,021.46										
	1421-3073	Deliver supernuts for c-c joint	40	03JUN08*	29JUL08		11,178.00										
Misc Tech Shop Support																	
	1421-4000	Misc Tech Shop support through sta 2 (1/2 mm/mo.	250*	01OCT07A	30SEP08	LOE	23,225.08										
Goranson																	
Job: 6401 - Bakeout System GORANSON																	
	6401-000	Bakeout Sys- Requirements Definition	40	01JUL08*	26AUG08		12,302.40										
	6401-001	Bakeout Sys-Preliminary Design	248	01OCT08*	29SEP09		42,752.40										
Perry																	
Job: 7301 - Platform Design & Fab-PERRY																	
	711A.040	Platform nut plates	30	19AUG08*	30SEP08		2,967.12										
	712.020	Platform Parts	65	19AUG08*	18NOV08		102,285.94										
	712.030	Miscs Hardware/Material	40	05AUG08*	30SEP08		29,808.00										
Job: 7401 - TC Prep & Mach Assy Planning-PERRY																	
GPP Projects Required for NCSX (non-MIE cost)																	
	GPP-01	CS Crane	0		30MAY08*		0.00										

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmpl	ETC	FY08				FY09		
								MAY	JUN	JUL	SEP	OCT	NOV	D
	GPP-02	CS Interior Wall Replacement	0		31JUL08*		0.00							
	714.020	LOE Prior to assy starting as req'd	583*	01OCT07A	25JAN10	LOE	278,458.74							
Job: 8220 - Equip Save & Facility Restora-PERRY														
Safe and store NCSX hardware assets														
X	8220-201	Coordination and oversight	143	02JUN08	23DEC08		38,567.45							
X	8220-205	NCTC floor penetrations & PLT water htr removal	30	01JUL08*	12AUG08		56,248.54							
X	8220-209	Secure platform parts from CAS Bldg to NCTC	10	13AUG08	26AUG08		4,163.16							
X	8220-215	Secure TF Coils from Dsite MG to NCTC	10	11SEP08	24SEP08		3,000.86							
X	8220-219	Electr trays & hw from D-site yard to dsite pad	10	01JUL08*	15JUL08		6,194.13							
X	8220-223	Items f/TFTR bsmnt (incl spare MC cond) to NCTCB	10	01AUG08*	14AUG08		13,831.24							
X	8220-227	Portable AC units to Csite crib	5	27AUG08	03SEP08		631.76							
X	8220-231	Drawing closeouts and field follow-up	58	01OCT08*	23DEC08		27,614.00							
X	8220-235	Large and Small shield block to Dsite pad	10	02SEP08*	15SEP08		2,527.04							
X	8220-239	Machine mock-up to NCTC	5	13AUG08	19AUG08		631.76							
X	8220-243	Welding machines to RESA	5	01OCT08*	07OCT08		668.56							
X	8220-247	Tools to Csite crib	10	01OCT08*	14OCT08		2,674.24							
X	8220-251	Measuring Equipment to S-109	5	01OCT08*	07OCT08		1,337.12							
X	8220-255	Inventory parts,material, tools to new location	20	01OCT08*	28OCT08		6,685.60							
X	8220-409	Crates,cabinets,parts shelves f/TFTRTC to NCTCB	10	01OCT08*	14OCT08		10,362.68							
X	8220-415	Coil winding station to NCTC	10	13AUG08	26AUG08		5,054.08							
X	8220-419	MC bolts (incl crate) to NCTCB	5	09SEP08	15SEP08		2,076.20							
X	8220-423	VVSA's (incl port extension crates) to NCTC	10	13AUG08	26AUG08		7,808.00							
X	8220-427	Assemble 4 remaining MC 3 packs	25	04AUG08	08SEP08		15,162.24							
X	8220-431	Transport MC 3 packs (6) to NCTC	10	09SEP08	22SEP08		5,302.48							
X	8220-501	Autocalve- Safe all AC power	5	30JUL08	05AUG08		3,762.80							
?	8220-505	Autoclave-Removal and store Dsite pad & NCTCB	58	01OCT08*	23DEC08		154,843.44							
Stratton														
Job: 3101 - Magnetic Diagnostics-STRATTON														
Vacuum Vessel Saddle Loops														
	3101-230	Check elect characteristics of T/C	50*	01MAY08A	11JUL08	50	8,596.50							
Rogowski Coils														
	3101-370	Check elect characteristics of cables	20	13JUN08*	11JUL08		9,365.40							
	3101-355	Temp cable trays	65	01OCT08*	12JAN09		12,429.20							
	3101-356	Dsn,purchase,install rack	65	01OCT08*	12JAN09		24,813.24							
	3101-358	Prep chassis & timing module	65	01OCT08*	12JAN09		10,031.00							
X	3101-359	Install Rogowski coils support (in job 1815)	51*	02APR08A	12JUN08	30	45,456.03							
X	3101-360	Title III support	9*	02JUN08*	12JUN08	LOE	9,226.80							
TF and PF Co-wound Loops														
	3101-425	Design Protective boxes for PF	227*	01NOV07A	30SEP08	85	0.00							
	3101-426	Purchase SS Sheet	220*	12NOV07A	30SEP08	80	226.93							
	3101-452	Form Protective boxes	220*	12NOV07A		80	0.00							
	3101-454	Weld end plates of PF protective boxes	221*	09NOV07A		80	0.00							
	3101-427	Purchase Heat Shrink tubing	220*	12NOV07A	30SEP08	80	591.56							
	3101-428	Purchase add'l CoAxial cable	46	02JUN08*	05AUG08	50	2,873.47							
	3101-458	Fab PF & solenoid co-wound loops	186	02JUL07A	10NOV08	50	8,974.55							
	3101-456	Title III	90	01OCT08	16FEB09	LOE	5,859.00							
T/C and Heater Tape Leads														
	1204-141	Drawings Signed T/C and Heater Tape Leads	0		30MAY08*		0.00							
	1204-144	Check elect characteristics T/C & heater port 12	32*	01MAY08A	16JUN08	75	3,645.95							
	1204-147	Field/Fab support (title III) T/C&Heater Tape	65	02JUN08	02SEP08		3,844.50							
Spacer Flux Loops & Boxes														
	3101-900	Peer review	2	02OCT08	03OCT08		2,604.00							

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmpltd	ETC	FY08					FY09		
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D
	3101-901	Purchase Copper	5	13OCT08	17OCT08		325.50							em//em=2	
	3101-902	Purchase CoAx Cable-2000ft .059 ss	5	27OCT08	31OCT08		325.50							em//em=2	
	3101-903	Purchase flex ss protective tube	5	27OCT08	31OCT08		5,714.62							em//em=2;ee//em=32	
	3101-904	Design Templates	10	06OCT08	17OCT08		6,510.00							em//em=40	
	3101-905	Machine Cu Templates	10	20OCT08	31OCT08		668.56							em//tb=8	
	3101-908	Design protective box	10	06OCT08	17OCT08		3,906.00							em//em=24	
	3101-909	Fab protective boxes	10	20OCT08	31OCT08		3,906.00							em//em=24	
	3101-910	Prep dwgs of spacer loops	10	20OCT08	31OCT08		11,311.60							em//em=40;ea//sb=40	
Voltage Loops & Protective Boxes															
	3101-806	Check elect characteristics of coax	20	02JUN08*	27JUN08		9,365.40							em//em=10;em//sm=60	
	3101-807	Check elect characteristics ex-vessel flux loops	11*	02JUN08	16JUN08		40,070.80							em//em=40;em//sm=260	
Job: 3901 - Diagnostics sys Integration-STRATTON															
	390-04	LOE Support FY08	249*	01OCT07A	29SEP08	LOE	13,765.44							R//RM2 =133hr	
	390-05M	Diagnostics Systems SRD	15	14JUL08*	01AUG08		6,491.60							R//RM2 =40hr ;	
	390-05	LOE Support FY09	247*	01OCT08*	28SEP09	LOE	29,714.48							R//RM2 =173hr ;	
Viola															
Job: 1802 - FP Assy Oversight&Support-VIOLA															
Oversight and Supervision															
	1802ORNLO2	ORNL Title III field period assy station 2	441*	04FEB08A	02NOV09	LOE	100,326.86								
	1802ORNLO3	ORNL Title III field period assy station 3	343*	29OCT08	23MAR10	LOE	122,719.61							ORNLEM =442;orlmdm=442 travel=6	
X	R1802-003	Metrology Engr Super FY08	250*	01OCT07A	30SEP08	LOE	45,122.13							EA//EM =863hr	
	R1802-004	Metrology Engr Super FY09 & FY10	445*	01OCT08*	19JUL10	LOE	254,547.78							EA//EM =863hr ;	
X	R1802-007	FPA Management FY08	250*	01OCT07A	30SEP08	LOE	85,747.73							EM//EM =.95 fte	
	R1802-008	FPA Management FY09 & FY10	445*	01OCT08*	19JUL10	LOE	482,687.15							EM//EM =.95 fte	
	R1802-009	PU Title III support	630*	04FEB08A	10AUG10	LOE	351,407.70								
X	R1802-010	Drexel co-op student support	21*	02JUN08	30JUN08	LOE	2,520.00							Drexel co-op student =1.0fte	
X	R1802-015	HP Coverage in the TFTR TC LOE FY08	250*	01OCT07A	30SEP08	LOE	53,157.42							SH//TB =.75 fte	
X	R1802-016	HP Coverage in the TFTR TC LOE FY09	121*	01OCT08*	31MAR09	LOE	75,680.18							SH//TB =(=.75 fte) ;	
X	1802MISC	Misc materials,tools, GSA vehicle,rigging	170*	01FEB08A	30SEP08	LOE	55,890.00							41=\$90	
	8203FY08.2	Title III Design support FY08 PPPL	170*	01FEB08A	30SEP08	LOE	58,499.58							smith=-.3; avasara=-.3	
	8203FY09.1	Title III Design support FY09 PPPL	249*	01OCT08*	30SEP09	LOE	287,783.67							smith=-.2; brown=-.2	
Station 3 procedures,JHA,ACC,Training,Prep															
X	R1802-307	Procedures written & approved	34*	14APR08A			0.00							Viola	
X	R1802-309	JHA completed	6	02JUN08	09JUN08		0.00							Viola	
X	R1802-311	Training needs identified & released	6	10JUN08	17JUN08		0.00							Viola	
X	R1802-313	ACC review completed	6	18JUN08	25JUN08		0.00							Viola	
X	R1802-315	Pre-job brief completed	6	26JUN08	03JUL08		0.00							Viola	
X	R1802-320	Update FPA cost estimate for FPA station 2&3	5	10SEP08	16SEP08		0.00							Viola	
Station 5 procedures,JHA,ACC,Training,Prep															
	R1802-507	Procedures written & approved	14	02OCT08	21OCT08		0.00							Viola	
	R1802-509	JHA completed	6	22OCT08	29OCT08		0.00							Viola	
	R1802-519	Fixtures installed	6	30OCT08	06NOV08		0.00							Viola	
	R1802-520	Update FPA cost estimate for FPA station 5	5	25SEP08	01OCT08		0.00							Viola	
Job: 1810 - Field Period AssyStation 1,2,3 VIOLA															
General Assy Support															
X	R1810-003	LOE Crane support, fixture setupfor FY08	250*	01OCT07A	30SEP08	LOE	55,605.94							1.2 fte	
	R1810-004	LOE Crane support, fixture setupfor FY09/10	445*	01OCT08*	19JUL10	LOE	306,231.82							1.2 fte	
X	R1810-025	Crane & Rigging inspections	625*	01FEB08A	02AUG10	LOE	26,057.92								
	R1810-035	Welding qualifications	625*	31JAN08A	30JUL10	LOE	17,330.87								
X	R1810-007	LOE Field Supervision for FY08	250*	01OCT07A	30SEP08	LOE	79,035.61							1.0 fte	
	R1810-008	LOE Field Supervision for FY09/10	445*	01OCT08*	19JUL10	LOE	445,205.17							1.0 fte	
X	R1810-2001	Misc Hardware and hardware rework (1/2 fte loe)	170*	01FEB08A	30SEP08	LOE	23,691.00							EM//TB =.50 fte	

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmpltd	ETC	FY08					FY09		
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D
X	S21-4.02	Perform routine metrology set-up and checks (loe	170*	01FEB08A	30SEP08	LOE	61,094.25						ZMET	=1050	
Station 1-VV Prep (hard surface components) FP#1															
	R1810-1114	Install heater tape on all removable ports	25	02JUN08	07JUL08		41,969.00						EM/TB =500hr ;		
	R1810-1100	Design & Build heater& thermo termination box	41	02JUN08*	29JUL08		35,993.40						EM/TB =300hr ;em/em=80;4		
	R1810-1111	Final Scan	4	08JUL08	11JUL08		6,317.60						EM/TB =80hr ;		
	R1810-1113	Prepare & transfer completed VV to holding area	5	14JUL08	18JUL08		15,794.00						EM/TB =200hr ;		
Station 1- VV Prep (hrd surf cmpntsFP#2															
	R1810-1208	Perform final acceptance testing (H/C flow test)	32	02JUN08	16JUL08		23,691.00						EM/TB =300hr ; 41=02\$;k ;		
	R1810-1216	Install Final Internal&Ext monuments & meas	20	17JUL08	13AUG08		6,317.60						EM/TB =80hr ;		
	R1810-1214	Install heater tape on all removable ports	25	08JUL08	11AUG08		41,969.00						EM/TB =500hr ;		
	R1810-1217	Final Scan	4	14AUG08	19AUG08		6,317.60						EM/TB =80hr ;		
	R1810-1219	Prepare& transfer completed VV to holding area	5	20AUG08	26AUG08		15,794.00						EM/TB =200hr ;		
Station 1- VV Prep (hrd surf cmpntsFP#3															
	R1810-1308	Perform final acceptance testing (H/C flow test)	22	17JUL08*	15AUG08		23,691.00						EM/TB =300hr ;		
	R1810-1310	Heater and thermo termination & verification	22*	30APR08A		50	0.00						EM/TB =300hr ;		
	R1810-1328	Install Final Internal&Ext monuments & meas	4	25SEP08*	30SEP08		6,317.60						EM/TB =80hr ;		
	R1810-1329	Final Scan of VVSA #3 Station 1 complete	4	01OCT08	06OCT08		6,685.60						EM/TB =80hr ;		
	R1810-1314	Install heater tape on all removable ports	25	12AUG08*	16SEP08		41,969.00						EM/TB =500hr ;		
	R1810-1331	Prepare & transfer completed VV to holding area	5	07OCT08	13OCT08		16,714.00						EM/TB =200hr ;		
Setup															
X	R1810-2034	Misc Tool and Hardware	85*	02JUN08	30SEP08	LOE	18,630.00						41=15		
	R1810-2036	Fuji Paper	433*	02JUN08	02MAR10	LOE	6,502.62						41=5		
	R1810-2081	Removable photogrammetry targets	334*	02JUN08*	30SEP09	LOE	14,846.03								
	R1810-2082	Fixed photogrammetry targets	334*	02JUN08*	30SEP09	LOE	62,121.46								
	R1810-2083	Replacement photogrammetry targets	334*	02JUN08*	30SEP09	LOE	16,135.74								
	R1810-2084	Design and purchase 3 additional wedge supports	44*	01APR08A	02JUN08	60	29,634.12						41=105;em/em=80;em/tb=64		
	R1810-2024	Rework wedges f/combined assemblies& coil handli	85*	02JUN08	30SEP08		15,794.00						em/tb=200		
	R1810-2026	Setup up satellite shop in Mock-up area	64*	01APR08A	30JUN08	70	15,521.58						em/tb=420;41=10;em/em=40		
	R1810-2087	Coordinate measuring machine	21	02JUN08*	30JUN08		48,438.00						41=39		
	R1810-2088	HEPA machine tool exhaust system	21	01MAY08A	30JUN08	50	9,936.00						41=8		
	R1810-2089	Tools, cabinets & storage shelving	558*	02JUN08*	26AUG10	LOE	10,469.56						41=8		
	R1810-2002	Purchase grinding machine pe8106	21	02JUN08	30JUN08		33,447.06						41=26.927		
	R1810-2090	Consulting services nose welding (England)	5*	02JUN08*	06JUN08	LOE	1,242.00						41=1		
	S20-4.02	Perform metrology set-up;purchase 6 pillars	21	02JUN08*	30JUN08		9,936.00						41=8		
Pre-Measuring and fitup checks															
Pre measurement of MCHP A2,B2,C2 flanges															
X	2-2-2.99	Drill Stycast fill holes C2	3	01JUL08*	03JUL08		9,476.40						em/tb=120		
X	S22-3.02	Compress shims sort by thickness	71*	01MAY08A	11AUG08	50	3,158.80						EM/TB =80hr ;		
Pre measurement of MCHP A3,B3,C3 flanges															
	2-3-2.99	Drill Stycast fill holes	3	27JUN08	01JUL08		9,476.40						em/tb=120		
	S23-3.02	Compress shims sort by thickness	6	27JUN08	07JUL08		6,317.60						EM/TB =80hr ;		
	S23-4.01	Install MCHP fixtures & metrology equipt	6	24JUN08*	01JUL08		9,476.40						em/tb=120 ;		
	S23-4.03	Ready For Preassembly A3B3C3	0	02JUL08	01JUL08		0.00								
Pre measurement of MCHP A4,B4,C4 flanges															
	S24-2.08	Measure C4 "A" flange	8	01JUL08*	11JUL08		23,806.72						EM/TB =400hr ; ZMET =96		
Pre measurement of MCHP A5,B5,C5 flanges															
	S25-1.01	Verify mating MC's of MCHP will come together	4	25JUN08	30JUN08		12,635.20						EM/TB =160hr ;		
	S25-2.01	Set the B5 coil on fixture, & measure	1	01JUL08	01JUL08		12,468.40						EM/TB =40hr ;zmet=80		
	S25-2.02	Align to the conical seats locking into min of 8	2	02JUL08	03JUL08		4,654.80						ZMET =40 ;		
	S25-2.03	Measure monuments on fixture and walls.	7	07JUL08	15JUL08		16,291.80						ZMET =140 ;		
	S25-2.04	Measure tooling ball monuments	1	16JUL08	16JUL08		2,327.40						ZMET =20 ;		
	S25-2.05	Scan the B flange of B5	1	17JUL08	17JUL08		1,861.92						ZMET =16 ;		
	S25-2.07	Remove B5 move to holding area.	1	18JUL08	18JUL08		1,579.40						EM/TB =20hr ;		
Pre measurement of MCHP A6,B6,C6 flanges															
	S26-2.14	Measure Type A6"A" flange	8	02SEP08	11SEP08		12,468.40						EM/TB =40hr ; Z		

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmpl	ETC	FY08							FY09		
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D		
Station 2 MC subassy A1B1C1																	
AB-C MC Assembly																	
X	2-1-7.16	"Lightly" tack weld nose flex shims	1	02JUN08*	02JUN08		947.64								EM/TB =12hr ;		
X	2-1-7.17	remove "C" coil & place it on a separate fixtur	1	03JUN08	03JUN08		3,790.56								EM/TB =48hr ;		
X	2-1-7.18	Recheck part alignment & weld all Type-B flex s	3	04JUN08	06JUN08		6,702.91								EM/TB =00hr ; ZMET =58 ;		
X	2-1-7.19	After welding "B" coil nose shims recheck align	1	09JUN08	09JUN08		2,234.30								EM/TB =00hr ; ZMET =19 ;		
X	2-1-7.20	Back office assessment of part after weld	2	10JUN08	11JUN08		4,468.61								EM/TB =00hr ; ZMET =38 ;		
X	2-1-7.21	Measure "C" fiducials	1	10JUN08	10JUN08		2,234.30								EM/TB =00hr ; ZMET =19 ;		
X	2-1-7.22	Weld all Type-C (A-flange) flex shims plasma sid	2	12JUN08	13JUN08		3,790.56								EM/TB =48hr ;		
X	2-1-7.23	After welding determine metrology acceptance	1	16JUN08	16JUN08		2,234.30								EM/TB =00hr ; ZMET =19 ;		
X	2-1-7.24	Back office assessment	2	17JUN08	18JUN08		4,468.61								EM/TB =00hr ; ZMET =38 ;		
X	2-1-7.25	Remove shims for alignment mating coil	0	17JUN08	16JUN08		0.00								EM/TB =00hr ;		
X	2-1-7.07	Place unfilled shim bags in wing areas	1	17JUN08	17JUN08		1,895.28								EM/TB =24hr ;		
X	2-1-7.26	Lower mating "C" coil into position.	1	19JUN08	19JUN08		3,790.56								EM/TB =48hr ;		
X	2-1-7.261	alignment "C" coil tooling balls	1	20JUN08	20JUN08		2,234.30								EM/TB =00hr ; ZMET =19 ;		
X	2-1-7.27	position coil accurately in x, y, & z directio	1	23JUN08	23JUN08		1,895.28								EM/TB =24hr ;		
X	2-1-7.28	Install shims;studs,, & "wiggle"	1	24JUN08	24JUN08		2,842.92								EM/TB =36hr ;		
X	2-1-7.29	Torque50%of final value.	1	25JUN08	25JUN08		947.64								EM/TB =12hr ;		
X	2-1-7.30	Measure position of all monuments	1	26JUN08	26JUN08		3,351.46								EM/TB =00hr ; ZMET =29 ;		
X	2-1-7.301	Fuji paper, & examine load sharing. back office	2	27JUN08	30JUN08		8,259.17								EM/TB =48hr ; ZMET =38 ;		
X	2-1-7.302	Install new shims & Fuji paper. Lower & reposit	3	01JUL08	03JUL08		5,685.84								EM/TB =72hr ;		
X	2-1-7.303	Install shims without Fuji paper, studs & torqu	2	07JUL08	08JUL08		3,790.56								EM/TB =48hr ;		
X	2-1-7.31	Adjust shims locally. Re-torque all studs50%	2	09JUL08	10JUL08		3,790.56								EM/TB =48hr ;		
X	2-1-7.32	Install bushing. Replace nut & tighten back50%	3	11JUL08	15JUL08		5,685.84								EM/TB =72hr ;		
X	2-1-7.33	After super bolt tightening, measure position	2	16JUL08	17JUL08		3,351.46								ZMET =29 ; EM/TB =00hr ;		
X	2-1-7.34	Tighten all boltsir final torque.	1	17JUL08	17JUL08		1,895.28								EM/TB =24hr ;		
X	2-1-7.35	After tightening hardware, meas position of monu	1	18JUL08	18JUL08		3,351.46								ZMET =29 ; EM/TB =00hr ;		
X	2-1-7.36	Weld B / C nose region solenoid side	3	21JUL08	23JUL08		5,685.84								EM/TB =72hr ;		
X	2-1-7.37	Measure positions of all monuments	1	24JUL08	24JUL08		2,234.30								EM/TB =00hr ; ZMET =1 ;		
X	2-1-7.38	Back office of above results & INSTALL wing supp	2	25JUL08	28JUL08		4,468.61								EM/TB =00hr ; ZMET =3 ;		
X	2-1-7.39	Fill all lose bushings with Stycast 2850FT	2	29JUL08	30JUL08		3,790.56								EM/TB =48hr ;		
Stycast shim bags & final measurements																	
X	2-1-8.01	Fill all wing bladders & cure	2	31JUL08	01AUG08		3,790.56								EM/TB =48hr ;		
X	2-1-11.01	Measure tooling balls on all coils.	2	04AUG08	05AUG08		4,468.61								EM/TB =00hr ; ZMET		
X	2-1-11.02	Install or identify three primary fiducials	2	06AUG08	07AUG08		4,468.61								EM/TB =00hr ; ZMET		
X	2-1-11.03	Scan "B" flange Type-C coil & interfacing base	3	08AUG08	12AUG08		6,702.91								EM/TB =00hr ; ZMET		
X	2-1-11.04	Measure bolt length on all tension fasteners	1	13AUG08	13AUG08		1,895.28								EM/TB =24hr ;		
X	2-1-11.05	Perform Electrical Megger test on each coil	2	14AUG08	15AUG08		3,790.56								EM/TB =48hr ;		
X	2-1-11.06	Mark part for identification	0	18AUG08	15AUG08		0.00								EM/TB =00hr ;		
X	2-1-11.07	Install lift support beams	2	18AUG08	19AUG08		7,581.12								EM/TB =96hr ;		
X	2-1-11.08	Remove from stand & measure weight of completed	1	20AUG08	20AUG08		3,790.56								EM/TB =48hr ;		
X	2-1-11.09	Move to holding area.	2	21AUG08	22AUG08		7,581.12								EM/TB =96hr ;		
X	S21-11.07M	Complete 1st MCHP Assy (Sta 2)	0		22AUG08		0.00								***** LEVEL II MILESTONE SEPTEMBER 2008 *****		
X	2-1-11.10	Lift upper wedge & reinstall & grout at Assembly	10	25AUG08	08SEP08		18,952.80								EM/TB =240hr ;		
Station 2 MC subassy A2B2C2																	
A-B MC Assembly																	
X	2-2-6.26	Torque50%of final value.	1	02JUN08	02JUN08		789.70								EM/TB =10hr ;		
X	2-2-6.27	Measure position of all monuments	1	03JUN08	03JUN08		2,792.88								ZMET =24 ; EM/TB =00hr ;		
X	2-2-6.28	Adjust shims locally. Re-torque all studs50%	1	04JUN08	04JUN08		10,323.96								EM/TB =60hr ; ZMET =48 ;		
X	2-2-6.29	Install bushing. Replace nut & tighten back 50%	1	05JUN08	05JUN08		4,738.20								EM/TB =60hr ;		
X	2-2-6.30	After super bolt tightening, measure position	1	06JUN08	06JUN08		2,792.88								ZMET =24 ; EM/TB =00hr ;		
X	2-2-6.31	Tighten all boltsir final torque.	1	09JUN08	09JUN08		1,579.40								EM/TB =20hr ;		
X	2-2-6.32	After tightening hardware, measure position	1	10JUN08	10JUN08		2,792.88								ZMET =24 ; EM/TB =00hr ;		
X	2-2-6.33	Weld A / B nose region solenoid side	1	11JUN08	11JUN08		10,323.96								EM/TB =60hr ; ZMET =48 ;		
X	2-2-6.34	Measure positions of all monuments	1	12JUN08	12JUN08		1,861.92								EM/TB =00hr ; ZMET =16 ;		
X	2-2-6.35	Review with Back Office. INSTALL wing supports	1	13JUN08	13JUN08		6,882.64								EM/TB =40hr ; ZMET =32 ;		

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmpl	ETC	FY08							FY09				
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D				
X	2-2-6.36	Identify, a set of monuments moved	0	16JUN08	13JUN08		0.00												
X	2-2-6.37	Fill all loose bushings with Stycast 2850FT	1	16JUN08	16JUN08		3,158.80												
X	2-2-6.38	Scan "B" flange (datum "E") of "B" coil,	1	17JUN08	17JUN08		1,861.92												
X	2-2-6.39	define all B/C flange shim thickness.	1	18JUN08	18JUN08		2,369.10												
AB-C MC Assembly																			
X	2-2-7.01	lift (A-B) coil, along with fixture, onto anot	1	19JUN08	19JUN08		9,476.40												
X	2-2-7.02	Select a subset of monuments for initial alignm	1	20JUN08	20JUN08		1,861.92												
X	2-2-7.03	Align set of monuments selected in 7.02.	1	23JUN08	23JUN08		1,861.92												
X	2-2-7.04	Establish a set of global monuments	1	24JUN08	24JUN08		1,861.92												
X	2-2-7.05	Mark nose shim locations & puck locations.	1	25JUN08	25JUN08		1,579.40												
X	2-2-7.06	Place initial set shims (4-8) on Type-B	0	26JUN08	25JUN08		0.00												
X	2-2-7.08	Lower mating "C" coil into position.	1	01JUL08	01JUL08		3,158.80												
X	2-2-7.081	Perform alignment "C" coil tooling balls	1	02JUL08	02JUL08		1,861.92												
X	2-2-7.09	Install jack screws & dial indicators	1	03JUL08	03JUL08		1,579.40												
X	2-2-7.10	Position coil within ±.002"	1	07JUL08	07JUL08		1,579.40												
X	2-2-7.11	Install shims studs, & "wiggle"	1	08JUL08	08JUL08		2,369.10												
X	2-2-7.12	Torque50%of final value.	1	09JUL08	09JUL08		789.70												
X	2-2-7.13	Measure position of all monuments	1	10JUL08	10JUL08		2,792.88												
X	2-2-7.14	Measure shim puck height	1	11JUL08	11JUL08		1,579.40												
X	2-2-7.15	remove puck locating rings & install all nose s	1	14JUL08	14JUL08		4,738.20												
X	2-2-7.16	"Lightly" tack weld nose flex shims	1	15JUL08	15JUL08		789.70												
X	2-2-7.17	remove "C" coil & place it on a separate fixtur	1	16JUL08	16JUL08		3,158.80												
X	2-2-7.18	Recheck part alignment & weld all Type-B flex s	1	17JUL08	17JUL08		5,585.76												
X	2-2-7.19	After welding "B" coil nose shims recheck align	1	18JUL08	18JUL08		1,861.92												
X	2-2-7.20	Back office assessment of part after weld	1	21JUL08	21JUL08		3,723.84												
X	2-2-7.21	Measure "C" fiducials	1	21JUL08	21JUL08		1,861.92												
X	2-2-7.22	Weld all Type-C (A-flange) flex shims plasma sid	1	22JUL08	22JUL08		3,158.80												
X	2-2-7.23	After welding determine metrology acceptance	1	23JUL08	23JUL08		1,861.92												
X	2-2-7.24	Back office assessment	1	24JUL08	24JUL08		3,723.84												
X	2-2-7.25	Remove shims for alignment mating coil	0	25JUL08	24JUL08		0.00												
X	2-2-7.07	Place unfilled shim bags in wing areas	1	25JUL08	25JUL08		1,579.40												
X	2-2-7.26	Lower mating "C" coil into position.	1	28JUL08	28JUL08		3,158.80												
X	2-2-7.261	alignment "C" coil tooling balls	1	29JUL08	29JUL08		1,861.92												
X	2-2-7.27	position coil accurately in x, y, & z directio	1	30JUL08	30JUL08		1,579.40												
X	2-2-7.28	Install shims;studs,, & "wiggle"	1	31JUL08	31JUL08		2,369.10												
X	2-2-7.29	Torque50%of final value.	1	01AUG08	01AUG08		789.70												
X	2-2-7.30	Measure position of all monuments	1	04AUG08	04AUG08		2,792.88												
X	2-2-7.31	Adjust shims locally. Re-torque all studs50%	1	05AUG08	05AUG08		3,158.80												
X	2-2-7.32	Install bushing. Replace nut & tighten back50%	1	06AUG08	06AUG08		4,738.20												
X	2-2-7.33	After super bolt tightening, measure position	1	07AUG08	07AUG08		2,792.88												
X	2-2-7.34	Tighten all bolts to final torque.	1	08AUG08	08AUG08		1,579.40												
X	2-2-7.35	After tightening hardware, meas position of monu	1	11AUG08	11AUG08		2,792.88												
X	2-2-7.36	Weld B / C nose region solenoid side	1	12AUG08	12AUG08		4,738.20												
X	2-2-7.37	Measure positions of all monuments	1	13AUG08	13AUG08		1,861.92												
X	2-2-7.38	Back office of above results & INSTALL wing supp	1	14AUG08	14AUG08		3,723.84												
X	2-2-7.39	Fill all lose bushings with Stycast 2850FT	1	15AUG08	15AUG08		3,158.80												
Stycast shim bags & final measurements																			
X	2-2-8.01	Fill all wing bladders & cure	2	18AUG08	19AUG08		3,158.80												
X	2-2-8.02	Inject stycast in all shim spaces	2	20AUG08	21AUG08		3,158.80												
X	2-2-10.0	Complete local service & interface details	0	22AUG08	21AUG08		0.00												
X	2-2-11.01	Measure tooling balls on all coils.	2	22AUG08	25AUG08		3,723.84												
X	2-2-11.02	Install or identify three primary fiducials	2	26AUG08	27AUG08		3,723.84												
X	2-2-11.03	Scan "B" flange Type-C coil & interfacing base	3	28AUG08	02SEP08		5,585.76												
X	2-2-11.04	Measure bolt length on all tension fasteners	1	03SEP08	03SEP08		1,579.40												
X	2-2-11.05	Perform Electrical Megger test on each coil	2	04SEP08	05SEP08		3,158.80												
X	2-2-11.06	Mark part for identification	0	08SEP08	05SEP08		0.00												
X	2-2-11.07	Install lift support beams	2	08SEP08	09SEP08		6,317.60												

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmpl	ETC	FY08						FY09				
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D			
X	2-2-11.08	Remove from stand & measure weight of completed	1	10SEP08	10SEP08		3,158.80											
X	2-2-11.09	Move to holding area.	2	11SEP08	12SEP08		6,317.60											
	2-2-11.10	Lift upper wedge & reinstall & grout at Assembly	10	15SEP08	26SEP08		15,794.00											
Station 2 MC subassy A3B3C3																		
A-B MC Assembly																		
	2-3-6.01	Lower Type-A modular coil onto jacks	3	02JUL08*	07JUL08		15,062.16											EM/TB =40hr ;
	2-3-6.02	Mark nose shim locations & puck locations.	0	08JUL08	07JUL08		0.00											EM/TB =80hr ;
	2-3-6.03	Place initial set of shims (4-8) on Type	1	08JUL08	08JUL08		1,579.40											EM/TB =200hr ;
	2-3-6.05	Lower mating "B" coil into position.	1	09JUL08	09JUL08		3,158.80											
	2-3-6.051	Perform alignment "B" coil tooling balls	1	10JUL08	10JUL08		1,861.92											EM/TB =20hr ;
	2-3-6.06	Install jack screws & dial indicators	1	11JUL08	11JUL08		1,579.40											EM/TB =16
	2-3-6.07	Position coil within ±.002" normal plane	1	14JUL08	14JUL08		5,020.72											EM/TB =16
	2-3-6.08	Install remaining shims; studs,s	1	15JUL08	15JUL08		2,369.10											EM/TB =30hr ;
	2-3-6.09	torque50%of final value & recheck.	1	16JUL08	16JUL08		789.70											EM/TB =10hr ;
	2-3-6.10	Measure position of all monuments	2	17JUL08	18JUL08		3,723.84											ZMET =32 ; EM/TB =00hr ;
	2-3-6.11	Measure shim puck height	2	21JUL08	22JUL08		2,369.10											EM/TB =30hr ;
	2-3-6.12	Remove puck locating rings & install all nose s	3	23JUL08	25JUL08		4,738.20											EM/TB =60hr ;
	2-3-6.13	"Lightly" tack weld nose flex shims "A" & "B"	1	28JUL08	28JUL08		789.70											EM/TB =10hr ;
	2-3-6.14	Unfasten bolts & remove "B" coil place it on sep	1	29JUL08	29JUL08		3,158.80											EM/TB =40hr ;
	2-3-6.15	Recheck part alignment of "A" coil	2	30JUL08	31JUL08		6,882.64											EM/TB =40hr ; ZMET =
	2-3-6.151	Weld all Type-A flex shims plasma side	2	01AUG08	04AUG08		6,882.64											EM/TB =40hr ; ZMET =
	2-3-6.16	recheck alignment	1	05AUG08	05AUG08		1,861.92											EM/TB =00hr ; ZMET =
	2-3-6.17	Back office assessment of part after weld	2	06AUG08	07AUG08		3,723.84											EM/TB =00hr ; ZMET =
	2-3-6.18	Measure "B" fiducials estab coord sys	1	06AUG08	06AUG08		1,861.92											EM/TB =00hr ; ZMET =
	2-3-6.19	Weld all Type-B (A-flange) flex shims plasma sid	2	08AUG08	11AUG08		6,882.64											EM/TB =40hr ; ZMET =
	2-3-6.20	Recheck part metrology acceptance criterion.	1	12AUG08	12AUG08		1,861.92											EM/TB =00hr ; ZMET =
	2-3-6.21	Back office assessment of part after weld	2	13AUG08	14AUG08		3,723.84											EM/TB =00hr ; ZMET =
	2-3-6.22	Remove shims as necessary	0	13AUG08	12AUG08		0.00											EM/TB =00hr ;
	2-3-6.04	Place unfilled shim bags in wing areas	1	13AUG08	13AUG08		1,579.40											EM/TB =20hr ;
	2-3-6.23	Lower mating "B" coil into position.	1	15AUG08	15AUG08		3,158.80											EM/TB =40hr ;
	2-3-6.231	Perform alignment "B" coil tooling balls	1	18AUG08	18AUG08		1,861.92											EM/TB =00hr ; ZMET =
	2-3-6.24	"B" coil, position coil accurately in x, y, &	1	19AUG08	19AUG08		3,441.32											EM/TB =20hr ; ZMET =
	2-3-6.25	Install shims;studs, supernuts, wiggle t	1	20AUG08	20AUG08		5,161.98											EM/TB =30hr ; ZMET =
	2-3-6.26	Torque50%of final value.	1	21AUG08	21AUG08		789.70											EM/TB =10hr ;
	2-3-6.27	Measure position of all monuments	2	22AUG08	25AUG08		2,792.88											ZMET =24 ; EM/TB =
	2-3-6.28	Adjust shims locally. Re-torque all studs50%	3	26AUG08	28AUG08		10,323.96											ZMET =48 ; EM/TB =
	2-3-6.29	Install bushing. Replace nut & tighten back 50%	3	29AUG08	03SEP08		4,738.20											EM/TB =60hr ;
	2-3-6.30	After super bolt tightening, measure position	1	04SEP08	04SEP08		2,792.88											ZMET =24 ; EM/TB =
	2-3-6.31	Tighten all boltsir final torque.	1	05SEP08	05SEP08		1,579.40											EM/TB =20hr ;
	2-3-6.32	After tightening hardware, measure position	2	08SEP08	09SEP08		2,792.88											ZMET =24 ; EM/TB =
	2-3-6.33	Weld A / B nose region solenoid side	3	10SEP08	12SEP08		10,323.96											EM/TB =60hr ; ZMET =
	2-3-6.34	Measure positions of all monuments	1	15SEP08	15SEP08		1,861.92											EM/TB =00hr ; ZMET =
	2-3-6.35	Review with Back Office. INSTALL wing supports	2	16SEP08	17SEP08		6,882.64											EM/TB =40hr ; ZMET =
	2-3-6.36	Identify, a set of monuments moved less than .0	0	18SEP08	17SEP08		0.00											EM/TB =00hr ;
	2-3-6.37	Fill all loose bushings with Stycast 2850FT	2	18SEP08	19SEP08		3,158.80											EM/TB =40hr ;
	2-3-6.38	Scan "B" flange (datum "E") of "B" coil,	1	22SEP08	22SEP08		1,861.92											EM/TB =00hr ;
	2-3-6.39	define all B/C flange shim thickness.	1	23SEP08	23SEP08		2,369.10											EM/TB =30hr ;
Station 3 Setup/Preparations/General																		
Misc Prep activities																		
X	R1810-3112	Load Test 3 legged actuator lift fixtur	8	03JUN08*	12JUN08		10,108.16											EM/TB =128hr ;
X	R1810-3113	Procure wire rope slings & 6 17ton shackles	8	03JUN08*	12JUN08		18,845.20											EM/TB =160hr ;41=5
X	R1810-3109	Remove winding stations & enclosures	20	02JUN08*	27JUN08		53,001.20											EM/TB =480;em/sm=40; 41=3
X	R1810-3107	Test out station 3 equipment and procedures	30	02JUN08*	14JUL08		47,382.00											EM/TB =600
X	R1810-3150	10 Portable platforms	4	11SEP08	16SEP08		3,726.00											41=3
X	R1810-3151	Fab new platform legs	4	17SEP08	22SEP08		21,372.24											EM/TB =192hr ;41=5
X	R1810-3153	Fab new platform safety rails	4	23SEP08	26SEP08		27,582.24											EM/TB =192hr ;41=10

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmplt	ETC	FY08				FY09			
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D
Station 3-Assemble Mod Coils and VVSA-FP#1															
Set-up and Prep															
X	3-1-1.01	transfer CAD models	7	02JUN08*	10JUN08		13,033.44								
X	3-1-1.02	Install Station 3 site monuments	3	30JUN08	02JUL08		12,807.96								
X	3-1-1.03	Install floor mounted tracks and the VV base sup	5	01JUL08	08JUL08		18,448.60								
X	3-1-1.021	Design, fabricate and calibrate photogrammetry	40	01AUG08*	26SEP08		50,607.60								
X	3-1-1.04	Install MCHP left support stand. Position to .0	3	29SEP08	01OCT08		10,525.24								
X	3-1-1.05	Install the MCHP right support stand;	3	02OCT08	06OCT08		5,014.20								
X	3-1-1.06	Install alignment brackets, jack screws dial ind	3	07OCT08	09OCT08		11,544.20								
X	3-1-1.07	Reconfirm Leica position	3	10OCT08	14OCT08		5,913.60								
X	3-0-PLAT.1	Install station 3 platforms FP#1(8 required)	10	15OCT08	28OCT08		23,399.60								
Install Laser Screen															
X	3-1-6.02	Place all laser screens	2	15JUL08	16JUL08		6,882.64								
X	3-1-6.03	Turn each lasers on & measure each laser source	1	17JUL08	17JUL08		4,129.58								
X	3-1-6.04	Print path on milar paper	0	18JUL08	17JUL08		0.00								
Install Vacuum Vessel															
X	3-1-7.02	Install VV NBI port support stand.	2	18JUL08	21JUL08		3,790.56								
X	3-1-7.03	Install VVSA to base support and make connection	1	22JUL08	22JUL08		1,895.28								
X	3-1-7.04	take tooling ball readings and secure VVSA	2	23JUL08	24JUL08		3,790.56								
X	3-1-7.05	Scan VV surface and compare data	3	25JUL08	29JUL08		6,702.91								
Trial fit MCHP over VV															
X	3-1-8.01	Install any bumper protection components on the	1	25AUG08	25AUG08		947.64								
X	3-1-8.03	Install MCHP lift fixture, disengage leveler	2	26AUG08	27AUG08		3,790.56								
X	3-1-8.04	Re-install the right adjustor bar.	0	28AUG08	27AUG08		0.00								
X	3-1-8.05	Move right MCHP over the VV	3	28AUG08	02SEP08		18,074.59								
X	3-1-8.05M	MCHP test fit over VVSA Complete	0		02SEP08		0.00								
X	3-1-6.05	Disengage the right MCHP & move to far right	1	03SEP08	03SEP08		1,895.28								
Install RIGHT MCHP over VV															
	3-1-6.06	Remove the left MCHP test laser path	2	04SEP08	05SEP08		20,282.00								
	3-1-8.07	Bring AirLoc Wedgemount leveler up to take load	1	05SEP08	05SEP08		1,895.28								
	2-1-8.02	Inject stycast in all shim spaces	2	09SEP08	10SEP08		3,790.56								
	3-1-8.08	Measure the target monuments on right MCHP with	1	08SEP08	08SEP08		2,234.30								
	2-1-10.0	Complete local service & interface details	10	11SEP08	24SEP08		0.00								
	3-1-8.09	move MCHP to right 1/2"	0	09SEP08	08SEP08		0.00								
Pre-assemble LEFT MCHP															
	3-1-2.01	Position left MCHP over left support	1	29OCT08	29OCT08		4,011.36								
	3-1-2.02	Secure left MCHP to vertical support posts	1	30OCT08	30OCT08		2,005.68								
	3-1-2.03	Measure all chosen monuments	2	31OCT08	03NOV08		3,942.40								
	3-1-6.07	Place left MCHP in temp location	0	29OCT08	28OCT08		0.00								
Re-install RIGHT MCHP over VV															
	3-1-8.06	Position right MCHP over right support	2	03SEP08	04SEP08		7,581.12								
Job: 1815 - Field Period Assy -Station 5-VIOLA															
Setup/Preparations/General															
	R1810-5101	MTM NCR hardware re-purchase	100	16OCT08*	17MAR09		84,890.00								
Fogarty															
Job: 3801 - Electron Beam Mapping-ORNL															
	380-0-09	E-beam mapping- Conceptual Design	40	01JUL08*	26AUG08		18,120.00								
	380-0-10	E-beam mapping- Prelim Design	98	01OCT08*	26FEB09		62,441.50								

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmplt	ETC	FY08							FY09		
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D		
Al vonHalle																	
Gentile																	
Job: 8501 - Integrated Systems Testing-GENTILE																	
Startup Documentation																	
	Y																
	8501-000	Health/Safety Directive HSD 5008 Classification	0		30JUN08		0.00										
	8501-101	SAD NCSX Safety Assessment Document (SAD) DRAFT	64	01JUL08*	30SEP08		22,739.20								EM//EM =80hr ;		
	8501-101M	Issue Draft Safety Assessment doc. (SAD)	0		30SEP08		0.00										
	8501-101X	SAD NCSX Safety Assessment Document (SAD) FINAL	247	01OCT08*	25SEP09		24,065.60								EM//EM =80hr ; EM//SM =80hr ;		
	8501-201	ISTP-NCSX-01 Coil EnergizationTests DRAFT	64	01JUL08*	30SEP08		11,369.60								EM//EM =40hr ;		
	8501-202	Issue Draft ISTP-NCSX-01 Coil EnergizationTests	0		30SEP08		0.00										
	8501-203	ISTP-NCSX-01 Coil EnergizationTests FINAL	249	01OCT08	30SEP09		12,032.80								EM//EM =40hr ; EM//SM =40hr ;		
Ramkrishnan																	
Job: 4301 - DC Systems-RAMAKRISHNAN																	
431 - C-Site DC Systems																	
	431-225	Reactivate DF & PEI units	15	01JUL08*	22JUL08		20,332.24								EE//EM =40hr ; EE//SM =08hr ; EE//TB =40hr ; 41=08\$K ;		
	431-230	Duummy Load test of DF & PEI units	105	23JUL08	19DEC08		10,683.15										
	431-261	Redo power loop design	355	02JUN08*	29OCT09		49,788.91										
	431-275A	Power cabling & Installation FY08	85*	02JUN08*	30SEP08		4,407.34								EE//EM =2hr ; EE//SM =12hr ; EA//SB =12hr ;		
	431-276	Maint of C-site rectifiers	997*	01OCT07A	30SEP11	LOE	18,475.22										
Job: 4401 - Control & Protection-RAMAKRISHNAN																	
441 - Electrical Interlocks																	
	441-095	Design Interlock sys	310	03OCT08*	11JAN10		29,853.12								EA//SB =40hr ; EE//EM =80hr ; EE//SM =80hr ;		
	441-100	PLC Specification	160	02JUN08*	26JAN09		11,671.66										
445 - Coil Protection Systems																	
	445-1-2	Ground Fault Protection-Dsn	87	01JUL08*	31OCT08		32,648.51								EA//SB = EE//SM =		
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN																	
451 - System Design & Interfaces																	
	451-0-2	Develop Power Systems SRD	15	07JUL08*	25JUL08		15,276.48								EE//EM =96hr ;		
	451-2-2	PDR Prep Power system -Dsn	40	28JUL08	22SEP08		29,795.52								EA//SB =128hr ;		
	451-2-3	Power system - PDR	0		22SEP08		0.00										
	451-6-2	Final design C-Site -Cabling	149	01OCT08*	08MAY09		27,877.60										
	451-2-2.1	Final Design C-Site	268	01OCT08*	27OCT09		27,935.36										
	451-1-2	Calculations-Dsn	149	28JUL08*	05MAR09		16,836.31										
Sichta																	
Job: 5101 - Network and Fiber Infrastruct-SICHTA																	
	R51-10	Preliminary Design	30	01OCT08*	11NOV08		8,722.10								EC//EM		
Job: 5601 - Central Safety &Interlock Sys-SICHTA																	
	R56-10	Requirements, Codes&Standards	30	04AUG08*	15SEP08		5,283.20								EC//EM =40hr ;		
	R56-20	Preliminary Design	45	03OCT08*	08DEC08		18,779.60								EC//EM =100hr ; ea//sb=40		
Job: 5801 - Central I&C Integr& Oversight-SICHTA																	
	R58-20	WBS58 -FY08 Management & Integration LOE	250*	01OCT07A	30SEP08	LOE	7,185.15								ec//em=160		
	R58-30	WBS58 -FY09 Management & Integration LOE	249	01OCT08*	30SEP09	LOE	16,773.60								ec//em=120		

INCLUDED IN CLOSEOUT PLAN	Activity ID	Activity Description	Duration (work days)	Forecast Start	Forecast Finish	% Cmplt	ETC	FY08							FY09	
								MAY	JUN	JUL	AUG	SEP	OCT	NOV	D	
Don Rej																
Don Rej																
Job: 8101 - Project Management &Control-REJ																
X	810.900	Project Management Office PPPL FY08 (LOE)	250*	01OCT07A	30SEP08	LOE	216,292.20									Hutch = .80 fee r Pam =1.0 fee r 41=10\$K ;
X	810.9005A	Project Management Office PPPL fy08 etc	85*	02JUN08	30SEP08	LOE	125,600.00									
X	810.9007	Project controls support (simmons)	85*	02JUN08*	30SEP08	LOE	14,168.00									simmons etc =8
X	810.901	Project Management Office PPPL FY09 (SA LOE)	121*	01OCT08*	31MAR09	LOE	399,185.02									
Harris																
Job: 8102 - NCSX MIE Management ORNL-HARRIS																
X	810.105XX	Project Management Office ORNL FY08 (LOE)	169*	01FEB08A	29SEP08	LOE	106,399.85									harris=.4 fee; hill akers=.15 fee tr
X	810.105Z	Project Management Office ORNL FY09 (LOE)	121*	01OCT08*	31MAR09	LOE	51,786.52									