

Closeout Note Status

WBS/Job/Title/Closeout Note Link	Job Manager	Status at Closeout	Status of Closeout Notes	Status of Data Files	Date Promised
WBS 2 - /2101 - Fueling Systems	Blanchard	In Process at Time of Cancellation	Done	Done	
WBS 2 - /2201 - Torus Vacuum pumping Systems	Blanchard	In Process at Time of Cancellation	Done	Done	
WBS 82 - 8204 - Systems Analysis & Technical Assurance	Brooks				9/30
WBS 18 - 1803 - FP Assembly Tooling/Constructibility	Brown	In Process at Time of Cancellation			10/15
WBS 82 - 8203 - Design Integration	Brown	In Process at Time of Cancellation			10/15
WBS 13 - 1350 - TF Coil Fabrication Preparations	Chrzanowski	Cancelled when Decision Made for Industry to Fabricate (Mar 2006)			
WBS 13 - 1352 - PF Coil Fabrication	Chrzanowski	In Process at Time of Cancellation			9/24
WBS 14 - 1404 - MCWF R&D & First Production Casting	Chrzanowski	Completed (Sept 2005)			
WBS 14 - 1405 - Modular Coil Winding R&D Preparations	Chrzanowski	Completed (Sept 2005)			
WBS 14 - 1406 - Modular Coil Winding R&D	Chrzanowski	Completed (Mar 2006)			
WBS 14 - 1407 - Modular Coil Winding Facility	Chrzanowski	Completed (Mar 2006)			
WBS 14 - 1408/1451/1459 - Modular Coil Manufacturing	Chrzanowski	Will Complete as Part of Closeout	Done	Done	
WBS 14 - 1410 - Modular Coil Twisted Racetrack Fabrication	Chrzanowski	Completed (Mar 2006)			
WBS 14 - 1412 - Complete Winding Facilities	Chrzanowski	Completed (Mar 2006)			
WBS 14 - 1419 - Winding Facilities Modifications	Chrzanowski	Completed (Jan 2007)			
WBS 14 - 1460 - Modular Coil Third Winding Fixture	Chrzanowski	Cancelled when Project cancelled			
WBS 15 - 1550 - Coil Support Structures Procurements	Chrzanowski	Cancelled when Project cancelled			
WBS 12 - 1260 - Neutral Beam Transition Duct	Cole	In Process at Time of Cancellation			9/16
WBS 14 - 1416 - Modular Coil Type A/B Design	Cole	In Process at Time of Cancellation			9/30
WBS 14 - 1421 - Modular Coil Interface Design @ ORNL	Cole				9/20
WBS 18 - 1801 - FPA (ORNL)	Cole	Closed (Sept 2006)			
WBS 18 - 1806 - FP Assembly Specs & Drawings	Cole	In Process at Time of Cancellation			9/16
WBS 19 - 1901 - 191 - Stellarator Core Management & Oversight	Cole	In Process at Time of Cancellation			
WBS 19 - 1901 - 192 - Stellarator Core Integration & Analysis	Cole	In Process at Time of Cancellation			
WBS 13 - 1355 - Conventional I&C Design & Procurement	Cole/Kalish	In Process at Time of Cancellation			9/8
WBS 13 - 1353 - CS Structures Design	Dahlgren	Procurement cancelled when Decision Made to Use NSTX PF1a (Aug 2006)			8/29
WBS 15 - 1501 - Coil Support Structures	Dahlgren	Will Complete as Part of Closeout			8/29
WBS 17 - 1702 - Base Support Structure Design	Dahlgren	In Process at Time of Cancellation			8/29
WBS 17 - 1752 - Base Support Structure Procurements	Dahlgren	Cancelled when Project cancelled			
WBS 12 - 1204 - Vacuum Vessel System Procurements (Non-VVSA)	Dudek	In Process at Time of Cancellation			9/30
WBS 14 - 1429 - Modular Coil Interface R&D @ PPPL	Dudek	In Process at Time of Cancellation			9/30
WBS 14 - 1431 - Modular Coil Interface Hardware	Dudek	In Process at Time of Cancellation			9/30
WBS 18 - 1805 - FP Assembly Hardware & Fixture Procurements	Dudek	In Process at Time of Cancellation			9/30
WBS 6 - 6101 - Cooling Water Systems	Dudek	In Process at Time of Cancellation			9/15
WBS 6 - 6301 - Utility Systems	Dudek	In Process at Time of Cancellation			9/15
WBS 82 - 8205 - Dimensional Control Coordination	Ellis	In Process at Time of Cancellation			9/30
WBS 82 - 8204 - System Global Models	Fan				9/19
WBS 19 - 1901- 193 - Risk Mitigation Activities	Fogarty	In Process at Time of Cancellation	Need Summary	Done	9/16
WBS 14 - 1421 - Modular Coil Analysis Files	Freudenberg				9/15
WBS 85 - 8501 - Integrated Systems Testing	Gentile	In Process at Time of Cancellation			8/25
WBS 14 - 1409 - Coil Test Stand	Gettelfinger	Completed (July 2006)			
WBS 14 - 1414 - Coil Testing	Gettelfinger	Completed (July 2006)			
WBS 12 - 1201 - Vacuum Vessel Preliminary Design	Goranson	Completed (Oct 2003)			
WBS 12 - 1202 - Vacuum Vessel R&D	Goranson	Completed (Sept 2005)			
WBS 12 - 1203 - Vacuum Vessel Final Design	Goranson	Completed (Aug 2006)			
WBS 12 - 1206 - Vacuum Vessel Field Weld Joint	Goranson	Completed (Sept 2005)			
WBS 12 - 1270 - Heater Control System	Goranson	In Process at Time of Cancellation	Done	Done	
WBS 16 - 1601-161 - LN2 Distribution Systems	Goranson	In Process at Time of Cancellation	Done	Done	
WBS 16 - 1601-162 - Coil Electrical Leads	Goranson	In Process at Time of Cancellation	Done	Done	
WBS 16 - 1601-163 - Coil Protection System Interfaces	Harris	In Process at Time of Cancellation			9/8
WBS 81 - 8102 - Project Management @ ORNL	Harris	In Process at Time of Cancellation			
WBS 14 - 1411 - MCWF Fabrication	Heitzenroeder	Completed (June 2007)			

Closeout Note Status

WBS/Job/Title/Closeout Note Link		Job Manager	Status at Closeout	Status of Closeout Notes	Status of Data Files	Date Promised
WBS 82	8202 - Engineering Mgmt & Systems Engineering	Heitzenroeder	In Process at Time of Cancellation			
WBS 82	8221 - Documentation for Closeout	Heitzenroeder	Will Complete as Part of Closeout			12/31
WBS 13	1301 - TF Coil Design	Kalish	Completed (April 2006)			
WBS 13	1351 - TF Coil Fabrication Supplies	Kalish	Completed (Oct 2006)			
WBS 13	1302 - PF Coil Design	Kalish	Completed (May 2007)			
WBS 13	1354 - Trim Coil Design & Procurement	Kalish	In Process at Time of Cancellation			9/15
WBS 6	6401 - Bakeout Systems	Kalish/Goransor	In Process at Time of Cancellation			Need Date
WBS 13	1361 - TF Coil Fabrication	Kalish/Meighan	Will Complete as Part of Closeout			10/15
WBS 84	8402 - Project Physics @ ORNL	Lyon/Harris	Closed (Sept 2006)			
WBS 82	8222 - Prepare Manuscripts for Peer Reviewed Papers	Neilson	Will Complete as Part of Closeout			12/31
WBS 7	7101 - Shield Wall Modifications	Perry	Cancelled - Done as GPP Project			
WBS 7	7301 - Platform Design & Fabrication	Perry	In Process at Time of Cancellation			9/24
WBS 7	7401/7451 - Machine Assembly Planning & Oversight	Perry	In Process at Time of Cancellation			9/24
WBS 7	7501 - Construction Support	Perry	In Process at Time of Cancellation			9/24
WBS 7	7503 - Machine Assembly Operations	Perry	In Process at Time of Cancellation			9/24
WBS 7	7601 - Machine Assembly Tooling Design/Fab	Perry	In Process at Time of Cancellation			9/24
WBS 82	8215 - Plant Design	Perry	In Process at Time of Cancellation			9/24
WBS 82	8220 - Equipment Disposition/Facility Restorations	Perry	Will Complete as Part of Closeout			12/31
WBS 17	1701 - Cryostat Design	Raftopoulos	In Process at Time of Cancellation			9/13
WBS 17	1751 - Cryostat Procurements	Raftopoulos	Cancelled when Project cancelled			
WBS 18	1804 - Metrology Hardware	Raftopoulos	In Process at Time of Cancellation			9/13
WBS 6	6201 - Cryogenic Systems	Raftopoulos	In Process at Time of Cancellation			9/13
WBS 4	4101 - AC Power Systems	Ramakrishnan	In Process at Time of Cancellation			9/30
WBS 4	4301 - DC Power Systems	Ramakrishnan	In Process at Time of Cancellation			9/30
WBS 4	4401 - Control & Protection Systems	Ramakrishnan	In Process at Time of Cancellation			9/30
WBS 4	4501 - Power Systems Design & Integration	Ramakrishnan	In Process at Time of Cancellation			9/30
WBS 81	8101 - Project Management @ PPPL	Rej	In Process at Time of Cancellation			
WBS 5	5101 - Network & Fiber Optic Infrastructure Systems	Sichta	In Process at Time of Cancellation	Done	Done	
WBS 5	5201 - Central Instrumentation & Control	Sichta	In Process at Time of Cancellation	Done	Done	
WBS 5	5301 - Data Acquisition & Facility Computing Systems	Sichta	In Process at Time of Cancellation	Done	Done	
WBS 5	5401 - Facility Timing & Synchronization Systems	Sichta	In Process at Time of Cancellation	Done	Done	
WBS 5	5501 - Real Time Plasma Control Systems	Sichta	In Process at Time of Cancellation	Done	Done	
WBS 5	5601 - Central Safety Interlock Systems	Sichta	In Process at Time of Cancellation	Done	Done	
WBS 5	5801 - Central I&C Management & Integration	Sichta	In Process at Time of Cancellation	Done	Done	
WBS 3	3101 - Design	Stratton				9/15
WBS 3	3601 - Edge & Divertor Diagnostics Systems	Stratton	In Process at Time of Cancellation			9/15
WBS 3	3901 - Diagnostic Systems Integration	Stratton	In Process at Time of Cancellation			9/15
WBS 3	3801 - Electron Beam Mapping Systems	Stratton/Harris	In Process at Time of Cancellation			9/15
WBS 81	8998 - PPPL Direct Allocations	Strykowski	In Process at Time of Cancellation			
WBS 81	DCMA	Strykowski	Closed (Sept 2004)			
WBS 82	8210 - Rebaselining Exercise	Strykowski	In Process at Time of Cancellation			9/30
WBS 3	3101 Vacuum Vessel Instrumentation Installation	Tchilinguirian		Done	Done	
WBS 12	1250 - Vacuum Vessel Fabrication	Viola	Completed (Sept 2006)			
WBS 18	1802 - FP Assembly Oversight & Support	Viola	In Process at Time of Cancellation			9/30
WBS 18	1810 - FPA Operations - Stations 1, 2, 3	Viola	In Process at Time of Cancellation			9/30
WBS 18	1815 - PPA Operations - Station 5	Viola	In Process at Time of Cancellation			9/30
WBS 14	1401 - Modular Coil Preliminary Design	Williamson	Completed (Sept 2005)			
WBS 14	1402 - Modular Coil Analyses	Williamson	Completed (Sept 2005)			
WBS 14	1403 - Modular Coil Final Design	Williamson	Completed (April 2006)			
WBS 14	1413 - MCWF Fracture Analyses	Williamson	Completed (Mar 2006)			
WBS 14	1421 - Modular Coil Analysis Files	Williamson				8/30
WBS 84	8401 - Project Physics @ PPPL	Zarnstorf	Closed (Sept 2006)			

Activity ID	Activity Description	Forecast Start	Forecast Finish	Baseline Finish	Schedule slip (work days)	% cmplt	ETC	FY08												FY09											
								FY08						FY09						FY08						FY09					
								A	S	O	N	D	J	A	S	O	N	D	J	A	S	O	N	D	J	A	S	O	N	D	J
Brown																															
Job: 1803/1805- FPA Tooling/Constr-BROWN																															
Station 3-Modular Coil to VVSA Assembly																															
1803S3-9	Oversite, cost and schedules, reviews	31JAN08A	30SEP08	30SEP08	0	LOE	1,742.66													BROWN etc =20hr ;											
1805S3-207	Misc assembly Cost	31JAN08A	30SEP08	30SEP08	0		2,471.58													41etc =04\$K ;											
Job: 8203 - Design Integration-BROWN																															
8203FY08-4	General integration activities	01FEB08A	30SEP08	30SEP08	0	LOE	6,911.66													BROWN etc =40hr ; EA/DM etc =60											
Brooks																															
Job: 8204 - Systems Analysis-BROOKS																															
8204-FY08Z	Syst Analysis, studies & tech assurance FY08 etc	02JUN08A	30SEP08	30SEP08	0	LOE	20,747.27													BROOKS ZHANG etc =107hr ; FAN etc =79hr ;											
Chrzanowski																															
Job: 1408 - MC Winding Supplies-CHRZANOWSKI																															
1408-7	Misc tech shop support	23MAY07A	29AUG08	31JUL08	-21	92	4,043.26													EMT/TB etc =128hr ;											
Job: 1451 - Mod Coil Winding-CHRZANOWSKI																															
Station 1 Post VPI																															
P2-171C	Final Clamps & Warm Test (Station1) B6	02JUN08A	27AUG08	23JUL08	-25	99	240.07													EM//TB etc =272hr ; EMT/TB etc =32											
P1-171C	Final Clamps & Warm Test (Station1) A6	18AUG08A	12SEP08	20AUG08	-16	25	18,005.16													EM//TB etc =272hr ; EMT/TB etc =32											
LOE Oversight & Supervision																															
145XSPRV-3	Winding Engineering oversight and supervision	01MAY07A	30SEP08	30SEP08	0	LOE	20,867.95													LANGISH etc =275hr ;											
145XSPRV-A	Winding Engineering oversight and supervision	01NOV07A	29AUG08	29AUG08	0	LOE	27,772.42													CHRZANOWSKI etc =241hr ; MEIGHAN etc =											
Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI																															
Punchlist Tech shop/RESA																															
PLTS-B5	Grinding -B5	01MAY08A	30SEP08	29AUG08	-21	ETC	4,738.20													EM//TB etc =120hr ;											
PLTS-A6	Grinding -A6	01MAY08A	30SEP08	29AUG08	-21	ETC	1,625.20													EM//TB etc =39hr ;											
PLTS-B6	Grinding -B6	01MAY08A	30SEP08	29AUG08	-21	ETC	4,738.20													EM//TB etc =120hr ;											
PLTS-C6	Grinding & Drill Holes -C6	01MAY08A	30SEP08	29AUG08	-21	ETC	7,960.18													EM//TB etc =185hr ;											
Punchlist- Coil Technicians																															
PLCT-A6	Insul,measure,TC,SG other punch list-A6	01OCT07A	29AUG08	29AUG08	0	36	10,411.40													EM//TB etc =132hr ;											
PLCT-B6	Insul,measure,TC,SG other punch list-B6	01OCT07A	29AUG08	29AUG08	0	36	10,411.40													EM//TB etc =132hr ;											
Cole																															
Job: 1416 - Mod Coil Type AB Fnl Dsn-COLE																															
Analysis and closeout documentation																															
1416-601	Prepare EM and structural analysis of leads	31JAN08A	29AUG08	30JUN08	-43	80	6,644.00													williamson etc =66h											
1416-650	Prepare cooling analysis of lead area	01JUL08A	29AUG08	30JUN08	-43	20	2,416.00													freudenberg etc =160hr ;											
ECN Modifications																															
1416-810	Process completed ECN's Bladders	01AUG08*	29AUG08		0		1,510.00																								
Job: 1421 - Mod Coil Interface Design-COLE																															
Inboard Interface-CC																															
1421-3155	Resolve C-C shim FDR comments	01AUG08A	29AUG08	30JUN08	-43	95	906.00													COLE etc =120hr ;											

Run Date: 25 AUG 08 13:26

FORECAST SCHEDULE
 x target
 Progress Bar
 Critical Activity

080B

NCSX
MIE CLOSEOUT PLAN
AUGUST 20th STATUS

Sheet 1 of 6

Activity ID	Activity Description	Forecast Start	Forecast Finish	Baseline Finish	Schedule slip (work days)	% cmplt	ETC	FY08 FY09													
								FY08							FY09						
								A	S	O	N	D	J	F	M	A	M	J	J		
Job: 1901 - Stellarator Core Mngtt&Integr-COLE																					
191 - Stellarator Core Management & Oversight																					
1901-08	WBS 191 FY08	01OCT07A	29SEP08	29SEP08	0	LOE	10,713.45	COLE etc =121hr ; NELSON etc =7													
1901-9000	Update drawing tree	01OCT07A	29SEP08	29SEP08	0	LOE	12,080.00	lovett= 160													
192 - Stellarator Core Integr & Global Analysis																					
1902-08	WBS 192 FY08	01OCT07A	29SEP08	29SEP08	0	LOE	47,900.30	COLE etc =121 m&s =20 travel= 10 MCGINNIS etc =182													
Ellis																					
Job: 8205 - Dimensional Control Coordin-ELLIS																					
Station 3-Modular Coil to VVSA Assembly																					
METFY08R	Support FPA Station 2	01FEB08A	30SEP08	30SEP08	0	LOE	7,355.46	ELLIS etc =45hr ; SMITH etc =45h													
STAT3 PREP	Station 3 preparations	30JUN08A	02SEP08	02SEP08	0	70	4,250.40	ELLIS etc =80hr ;													
Harris																					
Job: 8102 - NCSX MIE Management ORNL-HARRIS																					
810.105XX	Project Management Office ORNL FY08 (LOE)	01FEB08A	29SEP08	29SEP08	0	LOE	73,517.11	ORNL35 etc =07\$; HILLIS etc =70 ; HARRIS etc =282 MMORRIS etc =176 ;													
810.105Z	Project Management Office ORNL FY09 (LOE)	01OCT08*	31MAR09	31MAR09	0	LOE	35,930.73	HILLIS etc =45 ; HARRIS etc =													
Heitzenroeder																					
Job: 8202 - Engr Mgmt & Sys Eng Sprt-HEITZENROED																					
8205DC	document control & admin support	01FEB08A	31MAR09	31MAR09	0	LOE	18,854.12	SUCH etc =142h TYRELL etc =21													
8205FY08.2	Engr mgt & systems engr FY08	01FEB08A	30SEP08	30SEP08	0	LOE	81,870.03	HEITZENROED etc =445hr ; SIMMONS REIERSEN etc =89hr ; DUDEK etc = VONHALLE etc =89hr ;													
8205FY09	Engr mgt & systems engr FY09	01OCT08*	31MAR09	31MAR09	0	LOE	134,313.25	HEITZENROED REIERSEN etc VONHALLE etc ; SIMMONS e DUDEK etc =3													
Job: 8221 -Documentation Closeout-HEITZENROEDER																					
Closeout Documentation																					
8221-100	Tech data collection (ref to detail tracking log)	14JUL08A	14NOV08	31OCT08	-10	ETC	484,517.45	SIMMONS =160hr BLANCHARD = BROOKS =100hr BROWN =375 CHRZANOWSKI =168hr COLE DAHLGREN =40hr DODSON DUDEK =32hr ELLIS =40 GORANSON =80hr Fogarty= 8 Phil =160; Kalish =56; labik = langish =24 freudenberg =120 Perry =16; Raftopoulos=220; Raki = rushinski =335 mike morris=20 sichta =80; smith = 14; strykowski =160; upcavage = viola = 158 williamson =80 Mod Nelson=10; Harris= 20; Fan=100; Gentile=20; Lew Mo													
8221-251	Tech presentation/paper collection	01AUG08*	29OCT08	29SEP08	-22		10,094.00	HAMPTON etc =100hr ; TYRELL													
8221-301	Guidance to collect data	02JUN08A	29SEP08	29SEP08	0		25,927.44	SIMMONS etc =300hr ;													
8221-305	Organizing and posting data	30SEP08	27MAR09	27MAR09	0		56,203.18	SIMMONS etc													
8221-401	Finalizing and archiving key analyses/reports	01AUG08*	30SEP08	29SEP08	-1		130,951.30	FREUDENBERG etc =160hr ; DAHLGREN FAN etc =160hr ; AVASARALA etc ZHANG etc =160hr ;													
8221-575	Archiving doc & files in ops center	01AUG08*	26MAR09	26MAR09	0		18,168.78	SUCH etc =2													
8221-700	As-built Drawing Updates	01AUG08*	23DEC08	23DEC08	0		233,941.28	EA/SB Designers etc =199													
Kalish																					
Job: 1361 - TF Fabrication-KALISH																					
TF Title III and Fabrication Oversight																					
131-033C	Title III engr,inspection, support	02JAN08A	18SEP08	18SEP08	0	LOE	27,850.15	KALISH etc =71hr ; 35etc =02Sk ; 41etc =00Sk ; EM/TB etc =00hr ; MEIGHAN etc =173hr ;													

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								FY08					FY09												
								A	S	O	N	D	J	F	M	A	M	J	J						
TF Fabrication Contract																									
1361C-116	Fab, Test & Deliver Coil #16	27AUG08*	27AUG08	08AUG08	-13		47,220.00																		
1361C-117	Fab, Test & Deliver Coil #17	18SEP08*	18SEP08	02SEP08	-12		47,220.00																		
1361C-118	Fab, Test & Deliver Coil #18	03OCT08*	03OCT08	24SEP08	-7		47,220.00																		
1351-195X	ALL TF COILS DELIVERED		03OCT08	24SEP08	-7		0.00																		
Job: 1354 - Trim Coil Design & Procurement-KALISH																									
Trim Coil **Updated estimate**																									
TRIM-170	Complete Trim Coil Detailed Drawings	25MAR08A	29AUG08	30JUN08	-43	99	864.61																		
TRIM-200	Assy drawings & parts list	01APR08A	29AUG08	30JUN08	-43	99	1,115.75																		
Neilson																									
Job: 8222 - Manuscripts and Papers - NEILSON																									
Prepare Closeout report																									
8222-900	Manuscripts, journal & papers (40 papers@40hrs)	02SEP08*	31MAR09	31MAR09	0		299,600.15																		
Perry																									
Job: 8220 - Equip Save & Facility Restora-PERRY																									
Safe and store NCSX hardware assets																									
8220-201	Coordination and oversight	01JUL08A	23DEC08	23DEC08	0	LOE	49,799.71																		
8220-205	NCTC floor penetrations & PLT water hdr removal	30JUN08A	19AUG08	12AUG08	-5	80	11,249.71																		
8220-209	Secure platform parts from CAS Bldg to NCTC	20AUG08	03SEP08	26AUG08	-5		4,163.16																		
8220-223	Items f/TFTR bsmnt (incl spare MC cond) to	01AUG08A	29AUG08	14AUG08	-11	10	12,448.12																		
8220-227	Portable AC units to Dsite crib	29SEP08	03OCT08	03SEP08	-22		653.84																		
8220-231	Drawing closeouts and field follow-up	01OCT08*	23DEC08	23DEC08	0		27,614.00																		
8220-235	Large and Small shield block to Dsite pad	02SEP08*	15SEP08	15SEP08	0		2,527.04																		
8220-239	Machine mock-up to NCTC	20AUG08	26AUG08	19AUG08	-5		631.76																		
8220-243	Welding machines to RESA	01OCT08*	07OCT08	07OCT08	0		668.56																		
8220-247	Tools to Csite crib	01OCT08*	14OCT08	14OCT08	0		2,674.24																		
8220-251	Measuring Equipment to MU Shop	01OCT08*	07OCT08	07OCT08	0		1,337.12																		
8220-255	Inventory parts,material, tools to new location	01OCT08*	28OCT08	28OCT08	0		6,685.60																		
8220-409	Crates,cabinets,parts shelves f/TFTRTC to NCTCB	23JUL08A	14OCT08	14OCT08	0	5	9,406.87																		
8220-415	Coil winding station to NCTC	12SEP08*	26SEP08	26AUG08	-22		5,054.08																		
8220-419	MC bolts (incl crate) to NCTCB	23JUL08A	14OCT08	15SEP08	-21	5	2,084.11																		
8220-427	Assemble 4 remaining MC 3 packs	03SEP08	07OCT08	08SEP08	-21		25,564.80																		
8220-431	Transport MC 3 packs (6) to NCTC	08OCT08	21OCT08	22SEP08	-21		5,609.68																		
8220-501	Autoclave- Safe all AC power	25AUG08*	29AUG08	05AUG08	-18		3,762.80																		
8220-505	Autoclave-Removal and store Dsite pad & NCTCB	01OCT08*	23DEC08	23DEC08	0		154,843.44																		
8220-901	VV Diagnostic parts incl fab crates to NCTCB	09SEP08*	15SEP08	15SEP08	0		1,669.86																		
8220-903	Move tool crib from C-site back to D-Site	09SEP08*	15SEP08	15SEP08	0		9,476.40																		
8220-605	VV Spool piece crates to NCTCB	01AUG08*	04AUG08	02JUL08	-22		473.82																		
8220-423	VVSA's (incl port extension crates) to NCTC	20AUG08	03SEP08	26AUG08	-5		7,176.24																		
8220-609	Yellow wedge stands to NCTC	01OCT08*	02OCT08	02OCT08	0		334.28																		
8220-613	Wedge cover plates to NCTC	01OCT08*	02OCT08	02OCT08	0		334.28																		
8220-617	5 ton lift beam to RESA	01OCT08*	02OCT08	02OCT08	0		334.28																		
8220-621	14 ton lift beam to RESA	01OCT08*	02OCT08	02OCT08	0		167.14																		
8220-625	Remove coil winding rooms & dispose	02JUN08A	02SEP08	01OCT08	21	70	20,764.80																		
8220-633	Equipment in MU machine shop-Electrical to RESA	11AUG08A	29SEP08	29SEP08	0	80	2,307.20																		
8220-641	Equipment in MU machine shop-Mechanical to	02SEP08*	15SEP08	15SEP08	0		12,635.20																		
8220-653	Cryo pump skid- Mechanical to NCTCB	01AUG08*	26AUG08	16JUL08	-29		3,790.56																		
8220-657	Cryostat-disposal	27AUG08	10SEP08	16JUL08	-39		3,790.56																		
8220-669	Prototype castings to NCTC	20AUG08	21AUG08	14AUG08	-5		631.76																		
8220-673	Prototype VV cross sections-Scrap	22SEP08*	23SEP08	03JUL08	-56		157.94																		

Activity ID	Activity Description	Forecast Start	Forecast Finish	Baseline Finish	Schedule slip (work days)	% cmplt	ETC	FY08 FY09																
								FY08						FY09										
								A	S	O	N	D	J	F	M	A	M	J	J					
Pre-Measuring and fitup checks																								
Pre measurement of MCHP A2,B2,C2 flanges																								
2-2-2.99	Drill Stycast fill holes C2	01AUG08*	05AUG08	03JUL08	-22		9,476.40	EM//TB		etc =120hr ;														
Station 2 MC subassy A1B1C1																								
Stycast shim bags & final measurements																								
2-1-8.01	Fill all wing bladders & cure	16JUL08A	15AUG08	01AUG08	-10	70	1,137.17	EM//TB		etc =48hr ;														
2-1-11.05	Perform Electrical Megger test on each coil	18AUG08*	19AUG08	15AUG08	-2		3,790.56	EM//TB		etc =48hr ;														
2-1-11.08	Remove from stand & measure weight of	23JUL08A	20AUG08	20AUG08	0	80	758.11	EM//TB		etc =48hr ;														
S21-11.07M	Complete 1st MCHP Assy (Sta 2)		20AUG08	22AUG08	2		0.00	EM//TB		etc =00hr ;														
Station 2 MC subassy A2B2C2																								
AB-C MC Assembly																								
2-2-7.15	remove puck locating rings & install all nose s	20AUG08A	20AUG08	14JUL08	-27		4,738.20	EM//TB		etc =60hr ;														
2-2-7.16	"Lightly" tack weld nose flex shims	21AUG08	21AUG08	15JUL08	-27		789.70	EM//TB		etc =10hr ;														
2-2-7.17	remove "C" coil & place it on a separate fixtur	22AUG08	22AUG08	16JUL08	-27		3,158.80	EM//TB		etc =40hr ;														
2-2-7.18	Recheck part alignment & weld all Type-B flex s	25AUG08	25AUG08	17JUL08	-27		5,585.76	EM//TB		etc =00hr ; ZMET										etc =48				
2-2-7.19	After welding "B" coil nose shims recheck align	26AUG08	26AUG08	18JUL08	-27		1,861.92	EM//TB		etc =00hr ; ZMET										etc =16				
2-2-7.20	Back office assessment of part after weld	27AUG08	27AUG08	21JUL08	-27		3,723.84	EM//TB		etc =00hr ; ZMET										etc =32				
2-2-7.21	Measure "C" fiducials	27AUG08	27AUG08	21JUL08	-27		1,861.92	EM//TB		etc =00hr ; ZMET										etc =16				
2-2-7.22	Weld all Type-C (A-flange) flex shims plasma sid	28AUG08	28AUG08	22JUL08	-27		3,158.80	EM//TB		etc =40hr ;														
2-2-7.23	After welding determine metrology acceptance	29AUG08	29AUG08	23JUL08	-27		1,861.92	EM//TB		etc =00hr ; ZMET										etc =16				
2-2-7.24	Back office assessment	02SEP08	02SEP08	24JUL08	-27		3,723.84	EM//TB		etc =00hr ; ZMET										etc =32				
2-2-7.25	Remove shims for alignment mating coil	03SEP08	02SEP08	24JUL08	-27		0.00	EM//TB		etc =00hr ;														
2-2-7.07	Place unfilled shim bags in wing areas	03SEP08	03SEP08	25JUL08	-27		1,579.40	EM//TB		etc =20hr ;														
2-2-7.26	Lower mating "C" coil into position.	04SEP08	04SEP08	28JUL08	-27		3,158.80	EM//TB		etc =40hr ;														
2-2-7.261	alignment "C" coil tooling balls	05SEP08	05SEP08	29JUL08	-27		1,861.92	EM//TB		etc =00hr ; ZMET										etc =16				
2-2-7.27	position coil accurately in x, y, & z directio	08SEP08	08SEP08	30JUL08	-27		1,579.40	EM//TB		etc =20hr ;														
2-2-7.28	Install shims;studs,, & "wiggle"	09SEP08	09SEP08	31JUL08	-27		2,369.10	EM//TB		etc =30hr ;														
2-2-7.29	Torque50% of final value.	10SEP08	10SEP08	01AUG08	-27		789.70	EM//TB		etc =10hr ;														
2-2-7.30	Measure position of all monuments	11SEP08	11SEP08	04AUG08	-27		2,792.88	ZMET		etc =24 ;														
2-2-7.31	Adjust shims locally. Re-torque all studs50%.	12SEP08	12SEP08	05AUG08	-27		3,158.80	EM//TB		etc =40hr ;														
2-2-7.32	Install bushing. Replace nut & tighten back50%	15SEP08	15SEP08	06AUG08	-27		4,738.20	EM//TB		etc =60hr ;														
2-2-7.33	After super bolt tightening, measure position	16SEP08	16SEP08	07AUG08	-27		2,792.88	EM//TB		etc =00hr ; ZMET										etc =24				
2-2-7.34	Tighten all bolts to final torque.	17SEP08	17SEP08	08AUG08	-27		1,579.40	EM//TB		etc =20hr ;														
2-2-7.35	After tightening hardware, meas position of monu	18SEP08	18SEP08	11AUG08	-27		2,792.88	ZMET		etc =24 ; EM//TB										etc =00h				
2-2-7.36	Weld B / C nose region solenoid side	19SEP08	19SEP08	12AUG08	-27		4,738.20	EM//TB		etc =60hr ;														
2-2-7.37	Measure positions of all monuments	22SEP08	22SEP08	13AUG08	-27		1,861.92	EM//TB		etc =00hr ; ZMET										etc =16				
2-2-7.38	Back office of above results & INSTALL wing supp	23SEP08	23SEP08	14AUG08	-27		3,723.84	EM//TB		etc =00hr ; ZMET										etc =32				
2-2-7.39	Fill all lose bushings with Stycast 2850FT	24SEP08	24SEP08	15AUG08	-27		3,158.80	EM//TB		etc =40hr ;														
Stycast shim bags & final measurements																								
2-2-8.01	Fill all wing bladders & cure	25SEP08	26SEP08	19AUG08	-27		3,158.80	EM//TB		etc =40hr ;														
2-2-8.02	Inject stycast in all shim spaces	29SEP08	30SEP08	21AUG08	-27		3,158.80	EM//TB		etc =40hr ;														
2-2-10.0	Complete local service & interface details	01OCT08	30SEP08	21AUG08	-27		0.00	EM//TB		etc =00hr ;														
2-2-11.01	Measure tooling balls on all coils.	01OCT08	02OCT08	25AUG08	-27		3,942.40	EM//TB		etc =00hr ; ZMET										etc =32				
2-2-11.02	Install or identify three primary fiducials	03OCT08	06OCT08	27AUG08	-27		3,942.40	EM//TB		etc =00hr ; ZMET										etc =32				
2-2-11.03	Scan "B" flange Type-C coil & interfacing base	07OCT08	09OCT08	02SEP08	-27		5,913.60	EM//TB		etc =00hr ; ZMET										etc =44				
2-2-11.04	Measure bolt length on all tension fasteners	10OCT08	10OCT08	03SEP08	-27		1,671.40	EM//TB		etc =20hr ;														
2-2-11.05	Perform Electrical Megger test on each coil	13OCT08	14OCT08	05SEP08	-27		3,342.80	EM//TB		etc =40hr ;														
2-2-11.06	Mark part for identification	15OCT08	14OCT08	05SEP08	-27		0.00	EM//TB		etc =00hr ;														
2-2-11.07	Install lift support beams	15OCT08	16OCT08	09SEP08	-27		6,685.60	EM//TB		etc =80hr ;														
2-2-11.08	Remove from stand & measure weight of	17OCT08	17OCT08	10SEP08	-27		3,342.80	EM//TB		etc =40hr ;														
2-2-11.09	Move to holding area.	20OCT08	21OCT08	12SEP08	-27		6,685.60	EM//TB		etc =80hr ;														
Station 3-Assemble Mod Coils and VVSA-FP#1																								
Install Vacuum Vessel																								
3-1-7.03	Install VVSA to base support and make connection	27AUG08	27AUG08	19SEP08	16		1,895.28	EM//TB		etc =24hr ;														
3-1-7.04	take tooling ball readings and secure VVSA	28AUG08	29AUG08	23SEP08	16		3,790.56	EM//TB		etc =48hr ;														

Activity ID	Activity Description	Forecast Start	Forecast Finish	Baseline Finish	Schedule slip (work days)	% cmplt	ETC	FY08 FY09														
								FY08				FY09										
								A	S	O	N	D	J	F	M	A	M	J	J			
3-1-7.05	Scan VV surface and compare data	02SEP08	04SEP08	26SEP08	16		6,702.91	ZMET		etc =58		EM//TB		etc =00h								
Trial fit MCHP over VV																						
3-1-8.01	Install any bumper protection components on the	05SEP08	05SEP08	29SEP08	16		947.64	EM//TB		etc =12hr ;												
3-1-8.03	Install MCHP lift fixture, disengage leveler	08SEP08	09SEP08	01OCT08	16		3,790.56	EM//TB		etc =48hr ;												
3-1-8.05	Move right MCHP over the VV	10SEP08	12SEP08	06OCT08	16		18,074.59	EM//TB		etc =144hr ; ZMET												etc =58
3-1-8.05M	MCHP test fit over VVSA Complete		12SEP08	06OCT08	16		0.00	▼														
3-1-6.05	Disengage the right MCHP & position on floor	15SEP08	15SEP08	07OCT08	16		1,895.28	EM//TB		etc =24hr ;												
Contingency-Project																						
CC	Closeout contingency @ 20%	01AUG08*	31MAR09	31MAR09	0		1,172,000.00															