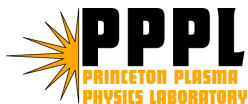


# NCSX Project Team Meeting: July 2, 2008



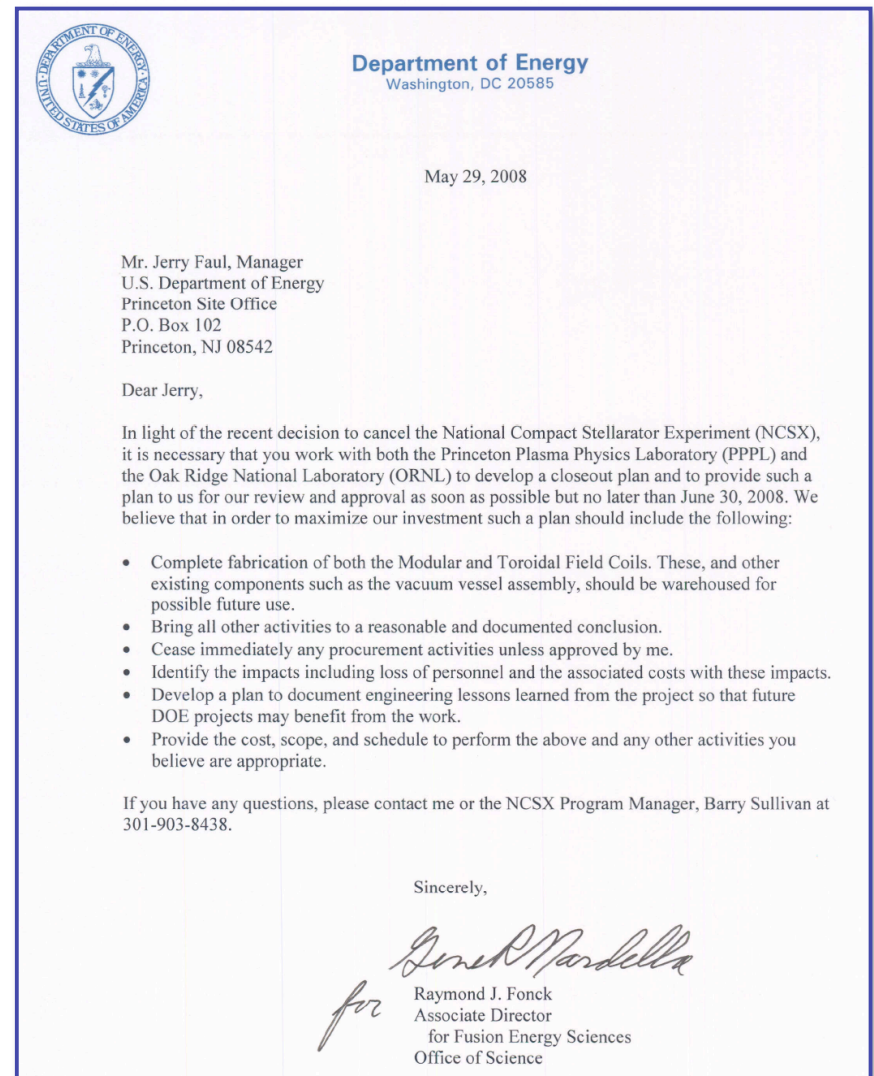
- Safety Minute - J. Chrzanowski
- Closeout Plan Submission to DOE
- June Cost Reports (PPPL)
- 3-week look-ahead



# NCSX - Project Status



- Our current resource-loaded closeout plan was formally proposed to OFES on 6/30/08
  - Consistent with DOE request & guidance
  - We will continue to work towards this plan until there is further guidance from DOE
- NCSX to be topic of PPPL conference call with OFES Director on 7/7/08
- NCSX to be topic of OFES Director meeting with DOE Under Secretary for Science on 7/8
  - Expect feedback after this meeting



Team Mtg July 2, 2008



Activity ID	Activity Description	Forecast Start	Forecast Finish	% cmplt	ETC	FY08				FY09						
						JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	A
<b>Punchlist- Coil Technicians</b>																
PLCT-A6	Insul,measure,TC,SG other punch list-A6	01OCT07A	31JUL08	36	10,411.40											
PLCT-B6	Insul,measure,TC,SG other punch list-B6	01OCT07A	31JUL08	36	10,411.40											
<b>Cole</b>																
<b>Job: 1416 - Mod Coil Type AB Fnl Dsn-COLE</b>																
<b>Analysis and closeout documentation</b>																
1416-601	Prepare EM and structural analysis of leads	31JAN08A	30JUN08	70	9,966.00											
1416-650	Prepare cooling analysis of lead area	02JUN08*	30JUN08		3,020.00											
1416-651	2D cooling analysis for mod colis	02JUN08*	30JUN08		12,080.00											
<b>Job: 1421 - Mod Coil Interface Design-COLE</b>																
<b>Inboard Interface-CC</b>																
1421-3155	Resolve C-C shim FDR comments	02JUN08*	30JUN08		18,120.00											
1421-9000	Perform shear test	02JUN08*	18JUL08	60	31,710.00											
<b>Job: 1901 - Stellarator Core Mngtt&amp;Integr-COLE</b>																
<b>191 - Stellarator Core Management &amp; Oversight</b>																
1901-08	WBS 191 FY08	01OCT07A	29SEP08	LOE	28,889.32											
1901-9000	Update drawing tree	01OCT07A	29SEP08	LOE	24,160.00											
<b>192 - Stellarator Core Integr &amp; Global Analysis</b>																
1902-08	WBS 192 FY08	01OCT07A	29SEP08	LOE	66,445.34											
<b>193 - Risk Mitigation Tasks</b>																
RISK-43	Bolt preload could relax with time.	03MAR08A	26AUG08		7,852.00											
<b>Job: 1806 - FP Assembly specs and drawings-COLE</b>																
<b>Station 3-Modular Coil to VVSA Assembly</b>																
1803-301	Station 3 Assembly Specification	02JUL07A	30JUN08	80	3,624.00											
1803-305	Station 3 Assembly Drawings	02JUL07A	30JUN08	80	2,416.00											
<b>Dahlgren</b>																
<b>Job: 1501 - Coil Structures Design-DAHLGREN</b>																
1501-533	Detail CAD Drawings,BOM	01JUN07A	30JUN08	75	21,319.30											
1501-533F	Integrated Stress Analysis	01OCT07A	30JUN08	75	34,286.56											
1501-536	Issue dwgs for review		30JUN08*		0.00											
1501-549	Update C.S.Support Attacgment Design	01MAY08A	09JUN08	75	2,036.70											
1501-562	Prepare Specs for Coil Structure & CSS h/w	24JUN08	30JUN08		3,542.00											
1501-537	FDR Prep	24JUN08	30JUN08		12,370.68											
1501-541	Coil Support Structures - FDR		30JUN08		0.00											
<b>Dudek</b>																
<b>Job: 1431 - Mod. Coil Interface Hardware-DUDEK</b>																
<b>Shims-Inboard</b>																
1431-110	Complete PE007677 with white engr incl rework	02JUN08	27JUN08		12,705.66											
<b>Ellis</b>																
<b>Job: 8205 - Dimensional Control Coordin-ELLIS</b>																
<b>Station 3-Modular Coil to VVSA Assembly</b>																
METFY08R	Support FPA Station 2	01FEB08A	30SEP08	LOE	14,889.60											
METDCP-3	Dimensional control plans for station 3	01FEB08A	10JUN08	99	4,675.44											
STAT3 PREP	Station 3 preparations	01JUL08*	02SEP08		14,168.00											

Activity ID	Activity Description	Forecast Start	Forecast Finish	% cmplt	ETC	FY08												FY09																															
						JUN				JUL				AUG				SEP				OCT				NOV				DEC				JAN				FEB				MAR				A			
<b>GORANSON</b>																																																	
<b>Job: 1601 - Coil Services Design-GORANSON</b>																																																	
<b>161 - LN2 Distribution</b>																																																	
162-900	Update LN2 models & input to INTRALINK	02JUN08A	30JUN08	99	18,120.00	homescu etc =40hr mcginnis=80																																											
162-901	Update Electrical Leads Models & input to INTRAL	02JUN08A	30JUN08	99	6,040.00	mcginnis etc =40hr ;																																											
<b>HARRIS</b>																																																	
<b>Job: 8102 - NCSX MIE Management ORNL-HARRIS</b>																																																	
810.105XX	Project Management Office ORNL FY08 (LOE)	01FEB08A	29SEP08	LOE	100,619.47	ORNL35 etc =07\$ ; HILLIS etc =70 ; HARRIS etc =282 ; MMORRIS etc =176 ;																																											
810.105Z	Project Management Office ORNL FY09 (LOE)	01OCT08*	31MAR09	LOE	35,930.73	HILLIS etc =45 ; HARRIS etc =110																																											
<b>HEITZENROEDER</b>																																																	
<b>Job: 8202 - Engr Mgmt &amp; Sys Eng Sprt-HEITZENROED</b>																																																	
8205DC	document control & admin support	01FEB08A	31MAR09	LOE	23,630.52													SUC TYR																															
8205FY08.2	Engr mgt & systems engr FY08	01FEB08A	30SEP08	LOE	181,477.20	HEITZENROED etc =445hr ; SIMMONS REIERSEN etc =89hr ; DUDEK VONHALLE etc =89hr ;												etc =4																															
8205FY09	Engr mgt & systems engr FY09	01OCT08*	31MAR09	LOE	157,899.44													HEIT REIE VON ; SIM DUD																															
<b>Job: 8221 -Documentation Closeout-HEITZENROEDER</b>																																																	
<b>Closeout Documentation</b>																																																	
8221-100	Technical data collection	01JUL08*	31OCT08		626,239.87	SIMMONS =160hr BLANCHARD =4 BROOKS =100hr BROWN =375 CHRZANOWSKI =168hr COLE DAHLGREN =40hr DODSON DUDEK =32hr ELLIS =40 GORANSON =80hr Fogarty =80 Phil =160; Kalish =56; labik =4 langish =24 freudenberg =120 Perry =16; Raftopoulos =220; Ra rushinski =335 mike morris=20 sichta =80; smith = 14; strykowsky =160; upcavage =2 viola = 158 williamson =80 Moon Nelson=10; Harris= 20; Jun=100; Gentile=20; Lew Morr																																											
8221-251	Tech presentation/paper collection	02JUN08	29SEP08		9,902.00	HAMPTON etc =100hr ; TYRELL etc =																																											
8221-301	Guidance to collect data	02JUN08	29SEP08		53,130.00	SIMMONS etc =300hr ;																																											
8221-305	Organizing and posting data	30SEP08	27MAR09		56,203.18													SIMM																															
8221-401	Finalizing and archiving key analyses/reports	02JUN08	29SEP08		137,504.00	FREUDENBERG etc =160hr ; DAHLGREN FAN etc =160hr ; AVASARALA etc = ZHANG etc =160hr ;																																											
8221-501	dell server, software, setup (non project cost)	02JUN08	29SEP08		0.00	CARROL etc =200hr ; 41etc =18\$ ;																																											
8221-555	Comp. div support of web (non project cost)	02JUN08	29SEP08		0.00	CARROL etc =160hr ;																																											
8221-575	Archiving doc & files in ops center	02JUN08	26MAR09		18,009.74													SUCH																															
8221-700	As-built Drawing Updates	01JUL08*	23DEC08		232,562.06													EA/SB Designers etc																															
<b>KALISH</b>																																																	
<b>Job: 1361 - TF Fabrication-KALISH</b>																																																	
<b>TF Title III and Fabrication Oversight</b>																																																	
131-033C	Title III engr,inspection, support	02JAN08A	18SEP08	LOE	37,543.84	KALISH etc =71hr ; 35etc =02\$ ; 41etc =00\$ ; EM/TB etc =00hr ; MEIGHAN etc =173hr ;																																											
<b>TF Fabrication Contract</b>																																																	
1361C-115	Fab, Test & Deliver Coil #15	03JUL08*	03JUL08		47,220.00	49etc =47 ;																																											
1361C-116	Fab, Test & Deliver Coil #16	28JUL08*	28JUL08		47,220.00	49etc =47 ;																																											
1361C-117	Fab, Test & Deliver Coil #17	20AUG08*	20AUG08		47,220.00	49etc =47 ;																																											
1361C-118	Fab, Test & Deliver Coil #18	12SEP08*	12SEP08		47,220.00	49etc =47 ;																																											
1351-195X	ALL TF COILS DELIVERED		12SEP08		0.00													▼																															

Activity ID	Activity Description	Forecast Start	Forecast Finish	% cmplt	ETC	FY08					FY09						
						JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	A	
<b>Job: 1354 - Trim Coil Design &amp; Procurement-KALISH</b>																	
<b>Trim Coil **Updated estimate**</b>																	
TRIM-170	Complete Trim Coil Detailed Drawings	25MAR08A	30JUN08	80	12,769.36												
TRIM-200	Assy drawings & parts list	01APR08A	30JUN08	90	10,998.36												
<b>Neilson</b>																	
<b>Job: 8222 - Manuscripts and Papers - NEILSON</b>																	
<b>Prepare Closeout report</b>																	
8222-900	Manuscripts, journal & papers (40 papers@40hrs)	02SEP08*	31MAR09		299,600.15												
<b>Perry</b>																	
<b>Job: 8220 - Equip Save &amp; Facility Restora-PERRY</b>																	
<b>Safe and store NCSX hardware assets</b>																	
8220-201	Coordination and oversight	02JUN08	23DEC08		60,133.75												
8220-205	NCTC floor penetrations & PLT water hdr removal	01JUL08A	12AUG08		56,248.54												
8220-209	Secure platform parts from CAS Bldg to NCTC	13AUG08	26AUG08		4,163.16												
8220-215	Secure TF Coils from Dsite MG to NCTC	01JUL08*	15JUL08		3,000.86												
8220-219	Electr trays & hw from D-site yard to dsite pad	01JUL08*	15JUL08		6,194.13												
8220-223	Items f/TFTR bsmnt (incl spare MC cond) to NCTCB	01AUG08*	14AUG08		13,831.24												
8220-227	Portable AC units to Dsite crib	27AUG08	03SEP08		631.76												
8220-231	Drawing closeouts and field follow-up	01OCT08*	23DEC08		27,614.00												
8220-235	Large and Small shield block to Dsite pad	02SEP08*	15SEP08		2,527.04												
8220-239	Machine mock-up to NCTC	13AUG08	19AUG08		631.76												
8220-243	Welding machines to RESA	01OCT08*	07OCT08		668.56												
8220-247	Tools to Csite crib	01OCT08*	14OCT08		2,674.24												
8220-251	Measuring Equipment to MU Shop	01OCT08*	07OCT08		1,337.12												
8220-255	Inventory parts, material, tools to new location	01OCT08*	28OCT08		6,685.60												
8220-409	Crates, cabinets, parts shelves f/TFTRC to NCTCB	01OCT08*	14OCT08		10,362.68												
8220-415	Coil winding station to NCTC	13AUG08	26AUG08		5,054.08												
8220-419	MC bolts (incl crate) to NCTCB	09SEP08	15SEP08		2,076.20												
8220-427	Assemble 4 remaining MC 3 packs	04AUG08	08SEP08		25,270.40												
8220-431	Transport MC 3 packs (6) to NCTC	09SEP08	22SEP08		5,302.48												
8220-501	Autoclave- Safe all AC power	21JUL08	25JUL08		3,762.80												
8220-505	Autoclave-Removal and store Dsite pad & NCTCB	01OCT08*	23DEC08		154,843.44												
8220-901	VV Diagnostic parts incl fab crates to NCTCB	09SEP08*	15SEP08		1,669.86												
8220-903	Move tool crib from C-site back to D-Site	09SEP08*	15SEP08		9,476.40												
8220-605	VV Spool piece crates to NCTCB	01JUL08*	02JUL08		473.82												
8220-423	VVSA's (incl port extension crates) to NCTC	13AUG08	26AUG08		7,176.24												
8220-609	Yellow wedge stands to NCTC	01OCT08*	02OCT08		334.28												
8220-613	Wedge cover plates to NCTC	01OCT08*	02OCT08		334.28												
8220-617	5 ton lift beam to RESA	01OCT08*	02OCT08		334.28												
8220-621	14 ton lift beam to RESA	01OCT08*	02OCT08		167.14												
8220-625	Remove coil winding rooms & dispose	02JUN08A	31JUL08	60	27,686.40												
8220-633	Equipment in MU machine shop-Electrical to RESA	02SEP08*	29SEP08		11,536.00												
8220-641	Equipment in MU machine shop-Mechanical to RESA	02SEP08*	15SEP08		12,635.20												
8220-645	Cryo pump skid- Electrical to NCTCB	02JUL08*	23JUL08		13,815.44												
8220-653	Cryo pump skid- Mechanical to NCTCB	24JUL08*	18AUG08		3,790.56												
8220-657	Cryostat-dispose	02JUL08*	16JUL08		3,790.56												
8220-661	Interlocked cryo room-leave in place	02JUN08*	02JUN08		0.00												
8220-665	Spherical bearings (Dahlgren) to NCTCB	02JUL08*	03JUL08		78.97												
8220-669	Prototype castings to NCTC	13AUG08	14AUG08		631.76												
8220-673	Prototype VV cross sections-Scrap	02JUL08*	03JUL08		157.94												
8220-677	TF coil fabrication fixtures to NCTC-VPI fixture	13AUG08	14AUG08		315.88												
8220-681	TF coil fabrication fixtures to NCTC-Mandrel	13AUG08	14AUG08		315.88												



Activity ID	Activity Description	Forecast Start	Forecast Finish	% cmplt	ETC	FY08			FY09							
						JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	A
8220-685	TF coil fabrication fixtures to NCTC-Misc fixtur	13AUG08	14AUG08		315.88			EM//TB		etc = 4						
<b>Rej</b>																
<b>Job: 8101 - Project Management &amp;Control-REJ</b>																
810.900	Project Management Office PPPL FY08 (LOE)	01OCT07A	30SEP08	LOE	216,292.20											
810.9005A	Project Management Office PPPL fy08 etc	02JUN08	30SEP08	LOE	125,600.00											
810.901	Project Management Office PPPL FY09 (SA LOE)	01OCT08*	31MAR09	LOE	290,785.02											
<b>Job: 8221 -Documentation Closeout-HEITZENROEDER</b>																
<b>Prepare Closeout report</b>																
8221-602	Draft table of contents out for review		14JUL08*		0.00											
8221-604	DOE concurrence on table of contents		21JUL08*		0.00											
8221-606	Final Table of contents issued		28JUL08*		0.00											
8221-608	Chapter & Appendices writers assigned		28JUL08*		0.00											
8221-610	Writer guidance prepared & communicated		28JUL08*		0.00											
8221-612	Chapter outlines finalized		29AUG08*		0.00											
8221-614	Chapter Draftes complete		30SEP08*		0.00											
8221-616	Chapter Draft reviews complete		15OCT08*		0.00											
8221-618	Chapters Complete		17NOV08*		0.00											
8221-636	Executive summary complete		05DEC08*		0.00											
8221-639	Draft Report complete		05JAN09*		0.00											
8221-642	Report Reviews Complete		02FEB09*		0.00											
8221-646	DOE Concurrence		02MAR09*		0.00											
8221-649	Final Report Issued		31MAR09*		0.00											
<b>Strykowski</b>																
<b>Job: 8998 - Allocations-STRYKOWSKY</b>																
99.08	PPPL Allocations FY08	LOE	01OCT07A	29SEP08	LOE	142,323.48										
99.09C	PPPL Allocations FY09	LOE	01OCT08*	31MAR09	LOE	59,465.00										
<b>Viola</b>																
<b>Job: 1802 - FP Assy Oversight&amp;Support-VIOLA</b>																
<b>Oversight and Supervision</b>																
1802ORN02	ORNL Title III field period assy station 2/3	LOE	02JUN08	30SEP08	LOE	13,860.00										
R1802-003	Metrology Engr Super FY08	LOE	01OCT07A	30SEP08	LOE	45,122.13										
R1802-007	FPA Management FY08	LOE	01OCT07A	30SEP08	LOE	85,747.73										
R1802-009	PU Title III support	LOE	02JUN08	30SEP08	LOE	62,742.24										
R1802-010	Drexel co-op student support	LOE	02JUN08	30JUN08	LOE	2,520.00										
R1802-015	HP Coverage in the TFTR TC LOE FY08	LOE	01OCT07A	30SEP08	LOE	53,157.42										
R1802-016	HP Coverage in the TFTR TC LOE FY09	LOE	01OCT08*	23DEC08	LOE	36,276.45										
1802MISC	Misc materials,tools, GSA vehicle,rigging	LOE	01FEB08A	30SEP08	LOE	55,890.00										
<b>Station 3 procedures,JHA,ACC,Training,Prep</b>																
R1802-309	JHA completed		01JUL08	09JUL08		0.00										
R1802-315	Pre-job brief completed		10JUL08	17JUL08		0.00										
R1802-320	Update FPA cost estimate for FPA station 2&3		14OCT08	20OCT08		0.00										
<b>Job: 1810 - Field Period AssyStation 1,2,3 VIOLA</b>																
<b>General Assy Support</b>																
R1810-003	LOE Crane support, fixture setupfor FY08	LOE	01OCT07A	30SEP08	LOE	55,605.94										
R1810-025	Crane & Rigging inspections	LOE	01FEB08A	30SEP08	LOE	3,948.50										





Activity ID	Activity Description	Forecast Start	Forecast Finish	% cmplt	ETC	FY08 FY09											
						FY08				FY09							
						JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	A	
2-2-7.07	Place unfilled shim bags in wing areas	29JUL08	29JUL08		1,579.40					EM//TB	etc =20hr ;						
2-2-7.26	Lower mating "C" coil into position.	30JUL08	30JUL08		3,158.80					EM//TB	etc =40hr ;						
2-2-7.261	alignment "C" coil tooling balls	31JUL08	31JUL08		1,861.92					EM//TB	etc =00hr ; ZMET			etc =16			
2-2-7.27	position coil accurately in x, y, & z directio	01AUG08	01AUG08		1,579.40					EM//TB	etc =20hr ;						
2-2-7.28	Install shims;studs,, & "wiggle"	04AUG08	04AUG08		2,369.10					EM//TB	etc =30hr ;						
2-2-7.29	Torque50% of final value.	05AUG08	05AUG08		789.70					EM//TB	etc =10hr ;						
2-2-7.30	Measure position of all monuments	06AUG08	06AUG08		2,792.88					ZMET	etc =24 ;						
2-2-7.31	Adjust shims locally. Re-torque all studs50%.	07AUG08	07AUG08		3,158.80					EM//TB	etc =40hr ;						
2-2-7.32	Install bushing. Replace nut & tighten back50%	08AUG08	08AUG08		4,738.20					EM//TB	etc =60hr ;						
2-2-7.33	After super bolt tightening, measure position	11AUG08	11AUG08		2,792.88					EM//TB	etc =00hr ; ZMET			etc =24			
2-2-7.34	Tighten all bolts to final torque.	12AUG08	12AUG08		1,579.40					EM//TB	etc =20hr ;						
2-2-7.35	After tightening hardware, meas position of monu	13AUG08	13AUG08		2,792.88					ZMET	etc =24 ; EM//TB			etc =00h			
2-2-7.36	Weld B / C nose region solenoid side	14AUG08	14AUG08		4,738.20					EM//TB	etc =60hr ;						
2-2-7.37	Measure positions of all monuments	15AUG08	15AUG08		1,861.92					EM//TB	etc =00hr ; ZMET			etc =16			
2-2-7.38	Back office of above results & INSTALL wing supp	18AUG08	18AUG08		3,723.84					EM//TB	etc =00hr ; ZMET			etc =32			
2-2-7.39	Fill all lose bushings with Stycast 2850FT	19AUG08	19AUG08		3,158.80					EM//TB	etc =40hr ;						
Stycast shim bags & final measurements																	
2-2-8.01	Fill all wing bladders & cure	20AUG08	21AUG08		3,158.80					EM//TB	etc =40hr ;						
2-2-8.02	Inject stycast in all shim spaces	22AUG08	25AUG08		3,158.80					EM//TB	etc =40hr ;						
2-2-10.0	Complete local service & interface details	26AUG08	25AUG08		0.00					EM//TB	etc =00hr ;						
2-2-11.01	Measure tooling balls on all coils.	26AUG08	27AUG08		3,723.84					EM//TB	etc =00hr ; ZMET			etc =32			
2-2-11.02	Install or identify three primary fiducials	28AUG08	29AUG08		3,723.84					EM//TB	etc =00hr ; ZMET			etc =32			
2-2-11.03	Scan "B" flange Type-C coil & interfacing base	02SEP08	04SEP08		5,585.76					EM//TB	etc =00hr ; ZMET			etc =48			
2-2-11.04	Measure bolt length on all tension fasteners	05SEP08	05SEP08		1,579.40					EM//TB	etc =20hr ;						
2-2-11.05	Perform Electrical Megger test on each coil	08SEP08	09SEP08		3,158.80					EM//TB	etc =40hr ;						
2-2-11.06	Mark part for identification	10SEP08	09SEP08		0.00					EM//TB	etc =00hr ;						
2-2-11.07	Install lift support beams	10SEP08	11SEP08		6,317.60					EM//TB	etc =80hr ;						
2-2-11.08	Remove from stand & measure weight of completed	12SEP08	12SEP08		3,158.80					EM//TB	etc =40hr ;						
2-2-11.09	Move to holding area.	15SEP08	16SEP08		6,317.60					EM//TB	etc =80hr ;						
Station 3 Setup/Preparations/General																	
Misc Prep activities																	
R1810-3112	Load Test 3 legged actuator lift fixtur	03JUN08*	12JUN08		10,108.16					EM//TB	etc =128hr ;						
R1810-3113	Procure wire rope slings & 6 17ton shackles	03JUN08*	12JUN08		18,845.20					EM//TB	etc =05\$ ; EM//TB			etc =160hr ;			
Station 3-Assemble Mod Coils and VVSA-FP#1																	
Set-up and Prep																	
3-1-1.01	transfer CAD models	02JUN08*	10JUN08		13,033.44					ZMET	etc =112 ;						
3-1-1.02	Install Station 3 site monuments	03SEP08	05SEP08		12,807.96					ZMET	41etc =02\$ ; EM//TB			etc =60hr ;			
3-1-1.021	Design, fabricate and calibrate photogrammetry	02JUN08A	28JUL08	50	25,303.80					ZMET	41etc =03\$ ; EM//TB			etc =240hr ;			
3-1-1.07	Reconfirm Leica position	03SEP08	05SEP08		5,585.76					ZMET	etc =240 ;						
Install Laser Screen																	
3-1-6.02	Place all laser screens	08SEP08	09SEP08		6,882.64					EM//TB	etc =40hr ; ZMET			etc =32			
3-1-6.03	Turn each lasers on & measure each laser source	10SEP08	10SEP08		4,129.58					EM//TB	etc =24hr ; ZMET			etc =19			
3-1-6.04	Print path on milar paper	11SEP08	10SEP08		0.00					EM//TB	etc =00hr ;						
3-1-6NEW	Dry-run MCHP thru laser screen path without VVSA	11SEP08	16SEP08		10,108.16					EM//TB	etc =128hr ;						
Install Vacuum Vessel																	
3-1-7.02	Install VV NBI port support stand.	17SEP08	18SEP08		3,790.56					EM//TB	etc =48hr ;						
3-1-7.03	Install VVSA to base support and make connection	19SEP08	19SEP08		1,895.28					EM//TB	etc =24hr ;						
3-1-7.04	take tooling ball readings and secure VVSA	22SEP08	23SEP08		3,790.56					EM//TB	etc =48hr ;						
3-1-7.05	Scan VV surface and compare data	24SEP08	26SEP08		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	29SEP08	29SEP08		947.64					EM//TB	etc =12hr ;						
3-1-8.03	Install MCHP lift fixture, disengage leveler	30SEP08	01OCT08		3,900.96					EM//TB	etc =48hr ;						
3-1-8.05	Move right MCHP over the VV	02OCT08	06OCT08		19,130.40					EM//TB	etc =144hr ; ZMET			etc =56			
3-1-8.05M	MCHP test fit over VVSA Complete		06OCT08		0.00												
3-1-6.05	Disengage the right MCHP & position on floor	07OCT08	07OCT08		2,005.68					EM//TB	etc =24hr ;						