

NCSX Documentation Close-Out Job 8221

Outstanding Close-Out Notes/Backup Analysis Files

Org	Participant	Jobs & Due Date							Other
ORNL	COLE	1416 9/16	1421 9/20						
ORNL	FOGARTY	1421 9/15							Files received - only need summary
ORNL	FREUDENBERG	1421 9/15							Only backup ANSYS files/models needed for calc-001-01, calc-12-006-00, calc-12-008-01, calc-14-004-00
ORNL	GORANSON								Backup files/presentations for Calc-12-002-00, 12-003-01, 12-004-00, 12-005-00, FMEA-12-001-00
ORNL	WILLIAMSON	1421 9/15							Only backup ANSYS files/models needed for calc-011-00, FMEA-14-002-00
PPPL	BROOKS	8204 9/30							006-00 Need the following to be signed! Calc-131-002-00, 131-003-00, 131-004-00, 131-005-00, 131-006-00
PPPL	BROWN	1830 10/15	8203 10/15						
PPPL	CHRZANOWSKI								Backup calcs for calc-132-01-00, calc-132-02-00
PPPL	DAHLGREN	1353 9/24	1501 9/24	1702 9/24					Close out note & backup ANSYS files/models for Calc-12-007-01 Need Calc-131-001-00 signed (currently only in draft form)
PPPL	DODSON	8221 10/31							
PPPL	ELLIS	8205 9/30							Close out note & backup ANSYS files/models
PPPL	FAN	8204 9/19							Only backup ANSYS files/models needed for calc-14-001-00, calc-14-003-00
PPPL	HEITZENROED	8221 12/31							
PPPL	KALISH	1361 10/15	1354 10/15	6401 9/30					
PPPL	LABIK	3101 10/15							
PPPL	LANGISH	1459 9/30							
PPPL	MORRIS	1354 10/15	1803 10/15	1810 11/15	8221 10/31				
PPPL	PERRY	7301 9/24	7401 9/24	7501 9/24	7503 9/24	7601 9/24	8215 9/24	8220 12/31	
PPPL	PRINISKI	8205 9/30							Need backup data files
PPPL	RAFTOPOULOS								Need backup data files for FMEA-14-001-00
PPPL	RAKI	4101 9/30	4301 9/30	4401 9/30	4501 9/30				
PPPL	REIERSEN	8221 11/30							
PPPL	RUSHINSKI	1354 10/15	1803 10/15	1810 11/15	8221 10/31				
PPPL	SIMMONS	8221 12/31							
PPPL	SMITH	8205 9/30							
PPPL	STRATTON	3101 10/15	3601 10/15	3801 10/15	3901 10/15				
PPPL	STRYKOWSKY								Need closeout writeup for cost and schedule material
PPPL	SUCH								Need document inventory list
PPPL	VIOLA	1802 11/15	1810 11/15	1815 11/15					update FPA assembly estimate WAF
PPPL	ZHANG	8204 9/30							Only backup ANSYS files/models needed

Activity ID	Activity Description	Forecast Start	Forecast Finish	Baseline Finish	% cmplt	ETC	FY09					FY10														
							A	S	O	N	D	J	J	F	M	A	M	J	A	S	O	N	D	J	J	F
Chrzanowski																										
Job: 1408 - MC Winding Supplies-CHRZANOWSKI																										
Station 1 Post VPI																										
1408-7	Misc tech shop support	23MAY07A	30SEP08	31JUL08	ETC	2,021.63	EMT/TB budget=128hr ;																			
Job: 1451 - Mod Coil Winding-CHRZANOWSKI																										
Station 1 Post VPI																										
P2-171C	Final Clamps & Warm Test (Station1) B6	02JUN08A	11SEP08	23JUL08	ETC	240.07	EM/TB budget=272hr ; EMT/TB budget=32																			
LOE Oversight & Supervision																										
145XSPRV-3	Winding Engineering oversight and supervision	01MAY07A	30SEP08	30SEP08	ETC	12,379.29	LANGISH budget=275hr ;																			
145XSPRV-A	Winding Engineering oversight and supervision	01NOV07A	30SEP08	29AUG08	ETC	23,065.76	CHRZANOWSKI budget=241hr ; MEIGHAN budg																			
Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI																										
Punchlist Tech shop/RESA																										
PLTS-B5	Grinding -B5	01MAY08A	30SEP08	29AUG08	50	4,738.20	EM/TB budget=120hr ;																			
PLTS-A6	Grinding -A6	01MAY08A	30SEP08	29AUG08	20	3,095.62	EM/TB budget=39hr ;																			
PLTS-B6	Grinding -B6	01MAY08A	26NOV08	29AUG08	0	9,841.43	EM/TB budget=120hr ;																			
PLTS-C6	Grinding & Drill Holes -C6	01MAY08A	30SEP08	29AUG08	75	3,601.03	EM/TB budget=185hr ;																			
Cole																										
Job: 1416 - Mod Coil Type AB Fnl Dsn-COLE																										
ECN Modifications																										
1416-810	Process completed ECN's Bladders & testing	02SEP08*	30SEP08			0.00																				
Job: 1901 - Stellarator Core Mngtt&Integr-COLE																										
191 - Stellarator Core Management & Oversight																										
1901-08	WBS 191 FY08	01JUN08A	29SEP08	29SEP08	LOE	6,864.46	COLE budget=121hr ; NELSON budget=70																			
1901-9000	Update drawing tree	01JUN08A	29SEP08	29SEP08	ETC	6,040.00	lovett= 160																			
192 - Stellarator Core Integr & Global Analysis																										
1902-08	WBS 192 FY08	01JUN08A	29SEP08	29SEP08	LOE	15,777.48	COLE budget=121 m&s =20 travel= 10 MCGINNIS budget=182																			
Ellis																										
Job: 8205 - Dimensional Control Coordin-ELLIS																										
Station 3-Modular Coil to VVSA Assembly																										
METFY08R	Support FPA Station 2	01FEB08A	30SEP08	30SEP08	LOE	3,692.62	ELLIS budget=45hr ; SMITH budget=45h																			
Harris																										
Job: 8102 - NCSX MIE Management ORNL-HARRIS																										
810.105XX	Project Management Office ORNL FY08 (LOE)	02JUN08A	29SEP08	29SEP08	LOE	23,945.31	ORNL35 budget=07\$; HILLIS budget=70 ; HARRIS budget=282 MMORRIS budget=176 ;																			
810.105Z	Project Management Office ORNL FY09 (LOE)	01OCT08*	31MAR09	31MAR09	LOE	35,930.73	HILLIS budget=45 ; HARRIS budget=110																			
Heitzenroeder																										
Job: 8202 - Engr Mgmt & Sys Eng Sprt-HEITZENROED																										
8205DC	document control & admin support	01FEB08A	31MAR09	31MAR09	LOE	16,530.84	SUCH =142hr ; TYRELL budget=21																			
8205FY08.2	Engr mgt & systems engr FY08	01FEB08A	30SEP08	30SEP08	LOE	41,100.41	HEITZENROED budget=445hr ; SIMMONS bud REIERSEN budget=89hr ; DUDEK budget=4 VONHALLE budget=89hr ;																			
8205FY09	Engr mgt & systems engr FY09	01OCT08*	31MAR09	31MAR09	LOE	134,313.25	HEITZENROED budget=315hr REIERSEN budget=126hr ; VONHALLE budget=126hr ; SIMMONS budget=00 DUDEK budget=333																			

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							A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	
Job: 8221 - Documentation Closeout-HEITZENROEDER																														
Closeout Documentation																														
8221-100	Tech data collection (ref to detail tracking log	14JUL08A	26NOV08	31OCT08	ETC	384,814.73	SIMMONS =160hr BLANCHARD =40 BROOKS =100hr BROWN =375 CHRZANOWSKI =168hr COLE =80 DAHLGREN =40hr DODSON =40hr DUDEK =32hr ELLIS =40 GORANSON =80hr Fogarty= 80 Phil =160; Kalish =56; labik =40; langish =24 freudenberg =120 Perry =16; Raftopoulos=220; Raki =16 (=16) rushinski =335 mike morris=20 sichta =80; smith = 14; strykowski =160; upcavage =215 viola = 158 williamson =80 Moon=10 Nelson=10; Harris= 20; Fan=100; Gentile=20; Lew Morris=335																							
8221-251	Tech presentation/paper collection	02SEP08*	01DEC08	29SEP08		10,286.00	HAMPTON budget=100hr ; TYRELL budget=10																							
8221-301	Guidance to collect data	02JUN08A	29SEP08	29SEP08		12,644.94	SIMMONS budget=300hr ;																							
8221-305	Organizing and posting data	30SEP08	27MAR09	27MAR09		56,203.18	SIMMONS budget=300hr ;																							
8221-401	Finalizing and archiving key analyses/reports	02SEP08*	03DEC08	29SEP08		121,193.18	FREUDENBERGbudget=160hr FAN budget=160hr ; ZHANG budget=160hr ; DAHLGREN budget=160 AVASARALA budget=160																							
8221-575	Archiving doc & files in ops center	02SEP08*	26MAR09	26MAR09		18,282.20	SUCH budget=200hr ;																							
8221-700	As-built Drawing Updates	02SEP08*	13MAR09	23DEC08		72,119.47	EA/SB Designers budget=1995hr																							
Kalish																														
Job: 1361 - TF Fabrication-KALISH																														
TF Title III and Fabrication Oversight																														
131-033C	Title III engr,inspection, support	02JAN08A	18SEP08	18SEP08	ETC	16,872.24	KALISH budget=71hr ; 35 =02\$K ; 41 =00\$K ; EM/TB budget=00hr ; MEIGHAN budget=173hr ;																							
TF Fabrication Contract																														
1361C-117	Fab, Test & Deliver Coil #17	29AUG08A	19SEP08	02SEP08		42,500.00	49=47 ;																							
1361C-118	Fab, Test & Deliver Coil #18	12SEP08*	24SEP08	24SEP08		47,220.00	49=47 ;																							
1351-195X	ALL TF COILS DELIVERED		24SEP08	24SEP08		0.00																								
Job: 1354 - Trim Coil Design &Procurement-KALISH																														
Trim Coil **Updated estimate**																														
TRIM-170	Complete Trim Coil Detailed Drawings	25MAR08A	30SEP08	30JUN08	ETC	886.23	KALISH budget=14hr ; RUSHINSKI budget=10 upcavage budget=80hr ;																							
TRIM-200	Assy drawings & parts list	01APR08A	30SEP08	30JUN08	ETC	866.04	KALISH budget=04hr ; RUSHINSKI budget=10 upcavage budget=80hr ;																							
Neilson																														
Job: 8222 - Manuscripts and Papers - NEILSON																														
Prepare Closeout report																														
8222-900	Manuscripts, journal & papers (40 papers@40hrs)	22AUG08A	31MAR09	31MAR09		293,408.09	ea/em=800,em/em=400;r///rm=400 travel=15																							
Perry																														
Job: 8220 - Equipt Save & Facility Restora-PERRY																														
Safe and store NCSX hardware assets																														
8220-201	Coordination and oversight	01JUL08A	23DEC08	23DEC08	LOE	39,696.89	PERRY budget=382hr ;																							
8220-227	Portable AC units to Dsite crib	29SEP08	27FEB09	03SEP08		667.83	EM/TB budget=08hr ;																							
8220-231	Drawing closeouts and field follow-up	01OCT08*	23DEC08	23DEC08		27,614.00	LANGELLA budget=200hr ;																							
8220-235	Large and Small shield block to Dsite pad	02SEP08*	15SEP08	15SEP08		2,527.04	EM/TB budget=32hr ;																							
8220-243	Welding machines to RESA	01OCT08*	07OCT08	07OCT08		668.56	EM/TB budget=08hr ;																							
8220-247	Tools to D site crib	10SEP08A	14OCT08	14OCT08	20	2,059.62	EM/TB budget=32hr ;																							
8220-251	Measuring Equipment to MU Shop	01OCT08*	07OCT08	07OCT08		1,337.12	EM/TB budget=16hr ;																							

Activity ID	Activity Description	Forecast Start	Forecast Finish	Baseline Finish	% cmplt	ETC	FY09					FY10									
							A	S	O	N	D	J	F	M	A	M	J	A	S	O	N
Viola																					
Job: 1802 - FP Assy Oversight&Support-VIOLA																					
Oversight and Supervision																					
1802ORNLO2	ORNLO Title III field period assy station 2/3	02JUN08A	30SEP08	30SEP08	ETC	2,494.80										mcginnis=140					
R1802-003	Metrology Engr Super FY08	01OCT07A	30SEP08	30SEP08	ETC	11,944.09										PRINISKI budget=293hr ;					
R1802-007	FPA Management FY08	01OCT07A	30SEP08	30SEP08	LOE	21,184.73										VIOLA budget=558hr ;					
R1802-015	HP Coverage in the TFTR TC LOE FY08	01OCT07A	30SEP08	30SEP08	LOE	13,133.01										SH//TB budget=440hr ;					
R1802-016	HP Coverage in the TFTR TC LOE FY09	01OCT08*	23DEC08	23DEC08	LOE	36,276.45										SH//TB budget=629hr ;					
1802MISC	Misc materials,tools, GSA vehicle,rigging	01FEB08A	30SEP08	30SEP08	ETC	4,496.04										41 =45\$K ;					
Station 3 procedures,JHA,ACC,Training,Prep																					
R1802-320	Update FPA cost estimate for FPA station 2&3	09SEP08	15SEP08	20OCT08		0.00															
Job: 1810 - Field Period AssyStation 1,2,3 VIOLA																					
General Assy Support																					
R1810-003	LOE Crane support, fixture setupfor FY08	01OCT07A	30SEP08	30SEP08	LOE	13,737.62										EM//TB budget=704hr ;					
R1810-025	Crane & Rigging inspections	01FEB08A	30SEP08	30SEP08	LOE	979.23										EM//TB budget=50hr ;					
R1810-007	LOE Field Supervision for FY08	01OCT07A	30SEP08	30SEP08	LOE	19,525.91										EDWARDS budget=587hr ;					
S21-4.02	Perform routine metrology set-up and checks (loe	01FEB08A	30SEP08	30SEP08	LOE	15,151.37										ZMET budget=525 ;					
Setup																					
R1810-2034	Misc Tool and Hardware	02JUN08A	30SEP08	30SEP08	ETC	12,482.10										41 =15\$K ;					
Pre-Measuring and fitup checks																					
Pre measurement of MCHP A2,B2,C2 flanges																					
2-2-2.99	Drill Stycast fill holes C2	02SEP08*	04SEP08	03JUL08		9,476.40										EM//TB budget=120hr ;					
Station 2 MC subassy A1B1C1																					
Stycast shim bags & final measurements																					
2-1-8.01	Fill all wing bladders & cure	16JUL08A	30SEP08	01AUG08	70	1,137.17										EM//TB budget=48hr ;					
Station 2 MC subassy A2B2C2																					
AB-C MC Assembly																					
2-2-7.28	Install shims;studs,, & "wiggler"	11SEP08*	11SEP08	31JUL08		2,369.10										EM//TB budget=30hr ;					
2-2-7.29	Torque50% of final value.	11SEP08	11SEP08	01AUG08		789.70										EM//TB budget=10hr ;					
2-2-7.30	Measure position of all monuments	12SEP08	12SEP08	04AUG08		2,792.88										ZMET budget=24 ;					
2-2-7.31	Adjust shims locally. Re-torque all studs50%.	12SEP08	12SEP08	05AUG08		3,158.80										EM//TB budget=40hr ;					
2-2-7.32	Install bushing. Replace nut & tighten back50%	15SEP08	15SEP08	06AUG08		4,738.20										EM//TB budget=60hr ;					
2-2-7.33	After super bolt tightening, measure position	15SEP08	15SEP08	07AUG08		2,792.88										EM//TB budget=00hr ; ZMET budget=24					
2-2-7.34	Tighten all bolts to final torque.	16SEP08	16SEP08	08AUG08		1,579.40										EM//TB budget=20hr ;					
2-2-7.35	After tightening hardware, meas position of monu	16SEP08	16SEP08	11AUG08		2,792.88										ZMET budget=24 ; EM//TB budget=00h					
2-2-7.36	Weld B / C nose region solenoid side	17SEP08	17SEP08	12AUG08		4,738.20										EM//TB budget=60hr ;					
2-2-7.37	Measure positions of all monuments	17SEP08	17SEP08	13AUG08		1,861.92										EM//TB budget=00hr ; ZMET budget=16					
2-2-7.38	Back office of above results & INSTALL wing supp	18SEP08	18SEP08	14AUG08		3,723.84										EM//TB budget=00hr ; ZMET budget=32					
2-2-7.39	Fill all lose bushings with Stycast 2850FT	18SEP08	18SEP08	15AUG08		3,158.80										EM//TB budget=40hr ;					
Stycast shim bags & final measurements																					
2-2-8.01	Fill all wing bladders & cure	19SEP08	19SEP08	19AUG08		3,158.80										EM//TB budget=40hr ;					
2-2-8.02	Inject stycast in all shim spaces	19SEP08	19SEP08	21AUG08		3,158.80										EM//TB budget=40hr ;					
2-2-10.0	Complete local service & interface details	22SEP08	19SEP08	21AUG08		0.00										EM//TB budget=00hr ;					
2-2-11.01	Measure tooling balls on all coils.	22SEP08	22SEP08	25AUG08		3,723.84										EM//TB budget=00hr ; ZMET budget=32					
2-2-11.02	Install or identify three primary fiducials	22SEP08	22SEP08	27AUG08		3,723.84										EM//TB budget=00hr ; ZMET budget=32					
2-2-11.03	Scan "B" flange Type-C coil & interfacing base	23SEP08	23SEP08	02SEP08		5,585.76										EM//TB budget=00hr ; ZMET budget=48					
2-2-11.04	Measure bolt length on all tension fasteners	23SEP08	23SEP08	03SEP08		1,579.40										EM//TB budget=20hr ;					
2-2-11.05	Perform Electrical Megger test on each coil	24SEP08	24SEP08	05SEP08		3,158.80										EM//TB budget=40hr ;					
2-2-11.06	Mark part for identification	25SEP08	24SEP08	05SEP08		0.00										EM//TB budget=00hr ;					
2-2-11.07	Install lift support beams	25SEP08	25SEP08	09SEP08		6,317.60										EM//TB budget=80hr ;					
2-2-11.08	Remove from stand & measure weight of completed	25SEP08	25SEP08	10SEP08		3,158.80										EM//TB budget=40hr ;					
2-2-11.09	Move to holding area.	26SEP08	26SEP08	12SEP08		6,317.60										EM//TB budget=80hr ;					