



Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
<b>cc 9450 - NCSX Fabrication (MIE)</b>																																																																																																																						
<b>1 - Stellarator Core Systems</b>																																																																																																																						
<b>12 - Vacuum Vessel Systems</b>																																																																																																																						
<b>+ Job: 1201 - Vacuum Vessel Prelim Dsn-**CLOSED**</b>																																																																																																																						
		01APR03A	133	07OCT03A	07OCT03A			424,420.00	100	424,420.00																																																																																																												
<b>+ Job: 1202 - Vacuum Vessel R&amp;D **CLOSED**</b>																																																																																																																						
		01APR03A	636	30SEP05A	30SEP05A			1,770,181.86	100	1,770,181.86																																																																																																												
<b>+ Job: 1206 - VV Field Weld Joint R&amp;D-**CLOSED**</b>																																																																																																																						
		29APR04A	359	30SEP05A	30SEP05A			15,639.37	100	15,639.37																																																																																																												
<b>Job: 1203 - Vacuum Vessel Final Dsn-GORANSON</b>																																																																																																																						
<b>+ Closeout PDR Design Deliverables</b>																																																																																																																						
		01OCT03A	235	31AUG04A	31AUG04A			34,746.30	100	34,746.30																																																																																																												
<b>+ PDR Recommendations</b>																																																																																																																						
		01NOV03A	42	31DEC03A	31DEC03A			25,738.00	100	25,738.00																																																																																																												
<b>+ Vacuum Vessel Vendor Selection</b>																																																																																																																						
		01JUN04A	86	30SEP04A	30SEP04A			5,782.20	100	5,782.20																																																																																																												
<b>+ FY05 Final Design Tasks</b>																																																																																																																						
		01OCT03A	507	30SEP05A	30SEP05A			744,133.94	100	744,133.94																																																																																																												
<b>Final Design Tasks</b>																																																																																																																						
1203-802A	Analysis of SXR cans and spacer	03JAN06A	21*	31JAN06A	31JAN06A			0.00	100	0.00																																																																																																												
1203-806	Establish interface reqmnts	01NOV05A	112*	17APR06A	17APR06A			6,748.00	100	6,748.00																																																																																																												
1203-901.5	ECP45 FY06 cv	01OCT05A	43	31MAR06A	31MAR06A			91,870.00	LOE	91,870.00																																																																																																												
1203-902	**dummy task ECP45 ETC update hours	01APR06A	94*	14AUG06	31MAY06		782	36,196.27	LOE	40,488.00																									ORNL=240hr ;																																																																																			
1203-241	Check FMECA Analyses	01SEP05A	238*	14AUG06	22MAY06		782	9,654.13	95	10,162.25																									ORNL=40hr ; EA/EM =20hr ;																																																																																			
1203-271	Develop Assy Rqmnts spec & process	01MAY06A	74*	14AUG06	18MAY06		782	32,053.00	95	33,740.00																									ornlem=200																																																																																			
1203-800	Issue VV FP Station 1 assy dwg	22SEP05A	213*	31JUL06A	30MAY06			6,729.99	100	6,729.99																									ORNL=40hr ;																																																																																			
1203-801	Issue VV FP final assy dwg	01NOV05A	197*	16AUG06	30MAY06		414	6,410.60	95	6,748.00																									ORNL=40hr ;																																																																																			
1203-820	BOM for all VV parts	03OCT05A	220*	18AUG06	30MAY06		778	4,807.95	95	5,061.00																									ORNL=30hr ;																																																																																			
1203-803	Issue VV final assy dwg	01MAY06A	83*	31JAN07	30MAY06		272	4,083.96	60	6,806.60																									ORNL=40hr ;																																																																																			
1203-804	Issue VV assy specification	01DEC06*	13	19DEC06	25MAY06		297	0.00		6,876.00																									ORNL=40hr ;																																																																																			
1203-802	Issue spacer field machining dwgs	01JAN06A	171*	28SEP07	30MAY06		292	5,423.55	80	6,779.44																									ORNL=40hr ;																																																																																			
<b>+ VV Personnel Access Port</b>																																																																																																																						
		01OCT05A	41	30NOV05A	30NOV05A			1,349.60	100	1,349.60																																																																																																												
<b>+ VV Heating/Cooling Tubing</b>																																																																																																																						
		01OCT05A	141	27APR06A				20,244.00	100	20,244.00																																																																																																												
<b>+ VV Heater Tape</b>																																																																																																																						
		02MAY05A	272	31MAY06A				78,444.83	100	78,444.83																																																																																																												

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	Forecast
	zECP-50 baseline
	Progress Bar
	Critical Activity

0607

**NCSX  
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
<b>+ VV Local I&amp;C</b>																																																																																																																						
		01MAR05A	358					17,118.41		17,118.41																																																																																																												
<b>Thermal Insulation</b>																																																																																																																						
122-011	Final design WBS 122 Thermal insulation	01JUN04A	501*	31MAY06A	17MAY06			111,954.42	100	111,954.42																																																																																																												
122-011F	FDR Thermal Insulation		0	31MAY06A	18MAY06*			0.00	100	0.00																																																																																																												
122-050	Prep spec and req Blanket Thermal Insulation	01AUG06*	0					195	0.00	0.00																																																																																																												
123-035	Issue Proc Pkg for insulation boots WBS 122	01AUG06*	0					285	0.00	0.00																																																																																																												
122-040	Prep spec and req Port Thermal Insulation	01AUG06*	0					326	0.00	0.00																																																																																																												
122-030.0	Prep spec and req Pourable Insulation	01AUG06*	0					506	0.00	0.00																																																																																																												
<b>SXR Diagnostic VV Design</b>																																																																																																																						
1203-810	resolve design pockets for soft x ray arrays	01JAN06A	0*	31JAN06A	31JAN06A			9,447.20	100	9,447.20																																																																																																												
1203-810P	soft x ray array PDR		0	28FEB06A	28FEB06A			0.00	100	0.00																																																																																																												
1203-810F	soft x ray array FDR		0	28FEB06A	28FEB06A			0.00	100	0.00																																																																																																												
<b>Job:1204-VV Sys Procurements (non VVSA)-DUDEK</b>																																																																																																																						
<b>VV Vertical Supports</b>																																																																																																																						
124-030.0	Release dwg package for fab VV Vertical Supports	30SEP05A	0					0.00		0.00																																																																																																												
124-037A	Bid award Titanium Rod ends (PE6383)	01DEC05A	45	22DEC05A	22DEC05A			0.00		0.00																																																																																																												
124-037B	Deliver Titanium Rod ends (PE6383)	22DEC05A	86*	28APR06A	28APR06A			0.00		0.00																																																																																																												
124-037C	Deliver Misc hardware (PE 006209)	31MAR06A	60	31MAR06A	31MAR06A			0.00		0.00																																																																																																												
124-037	PPPL Fab VV Vert. Supports (log # M1091)	01DEC05A	38	25JUN07	03APR07			198	31,647.99	50	63,295.98																																																																																																											
<b>VV Lateral Supports</b>																																																																																																																						
124-030L	SPEA VV Lateral Supports WBS 124	02OCT06*	43	01DEC06	01DEC06			277	0.00	0.00																																																																																																												
124-036.9L	Award VV Lateral Supports WBS 124		0	01DEC06*	01DEC06*			277	0.00	0.00																																																																																																												
124-037L	VV Lateral Supports Fab by PPPL WBS 124	04DEC06	60	05MAR07	05MAR07			277	0.00	33,288.00																																																																																																												
<b>VV Personnel Access Port</b>																																																																																																																						
124-100	Issue req & dwg package NB port cover	02JAN07*	0					219	0.00	0.00																																																																																																												
124-110	SPEA VV NB port cover	02JAN07*	43	01MAR07	01DEC06			219	0.00	0.00																																																																																																												
124-120	Award VV NB port cover		0	01MAR07	01DEC06			219	0.00	0.00																																																																																																												
124-130	VV NB port cover Fabrication	02MAR07	65	01JUN07	12MAR07			219	0.00	73,924.32																																																																																																												
<b>VV Heating/Cooling Tubing</b>																																																																																																																						
123-030	Issue RFQ & Select Vendor VV H/C Tubing WBS 123	31MAY06A	20	31MAY06A	26MAY06			0.00		0.00																																																																																																												
123-036.9	Award H/C Tubing WBS 123		0	31JUL06A	26MAY06			0.00		0.00																																																																																																												
123-037	Fabricate and Deliver H/C Tubing WBS 123	02OCT06*	20	27OCT06	26JUN06			272	0.00	61,695.00																																																																																																												
<b>VV Heater Tape</b>																																																																																																																						
122-012B	Issue RFQ & Select Vendor for Heater Tape	31MAY06A	20	31MAY06A	16JUN06			0.00	100	0.00																																																																																																												
122-012C	Award Heater Tape		0	31MAY06A	16JUN06			0.00	100	0.00																																																																																																												
122-012D	Fabricate and Deliver Heater Tape	31MAY06A	20	31MAY06A	17JUL06			16,452.00	100	16,452.00																																																																																																												

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Forecast  
 zECP-50 baseline  
 Progress Bar  
 Critical Activity


0607

**NCSX**  
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																																																																																
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J																																																																
											M												J												J												A												S												O												N												D												J												F												M												A												M												J												J
<b>VV H/C Manifolds &amp; Headers</b>																																																																																																																																																																																			
123-130.0	Issue Proc Pkg for VV H/C Manifolds WBS 123	03JAN06A	0					0.00	100	0.00																																																																																																																																																																									
123-130	Issue RFQ & Select Vendor VV H/C Manifold WBS	04JAN06A	40	11JAN06A	11JAN06A			0.00	100	0.00																																																																																																																																																																									
123-136.9	Award H/C Manifolds WBS 123 (PE006419)		0	11JAN06A	11JAN06A			0.00	100	0.00																																																																																																																																																																									
123-137	Fabricate and Deliver H/C Manifolds WBS 123	03APR06A	42	31MAY06A	09MAY06			65,808.00	100	65,808.00																																																																																																																																																																									
<b>VV Local I&amp;C</b>																																																																																																																																																																																			
125-037	Procurement Local I&C WBS 125	02OCT06*	60	03JAN07	03JAN07		271	0.00		3,290.40																																																																																																																																																																									
<b>Thermal Insulation</b>																																																																																																																																																																																			
122-055	SPEA Blanket Thermal Insulation	02OCT06*	43	01DEC06	18OCT06		152	0.00		0.00																																																																																																																																																																									
122-060	Award Blanket Thermal Insulation		0	01DEC06	18OCT06		152	0.00		0.00																																																																																																																																																																									
122-065	Deliver Blanket Thermal Insulation	04DEC06	89	13APR07	02MAR07		152	0.00		4,113.00																																																																																																																																																																									
123-040	Issue RFQ & Select Vendor insul boots WBS 122	02JAN07*	43	01MAR07	18OCT06		184	0.00		0.00																																																																																																																																																																									
123-045	Award Insulation Boots WBS 122		0	01MAR07	18OCT06		184	0.00		0.00																																																																																																																																																																									
123-050	Fabricate & Deliver Insul Boots WBS 122	02MAR07	130	04SEP07	30APR07		184	0.00		75,405.00																																																																																																																																																																									
122-035	SPEA Port Thermal Insulation	02JAN07*	43	01MAR07	10JAN07		225	0.00		0.00																																																																																																																																																																									
122-041	Award Port Thermal Insulation		0	01MAR07	10JAN07		225	0.00		0.00																																																																																																																																																																									
122-051	Deliver Port Thermal Insulation	02MAR07	89	06JUL07	15MAY07		225	0.00		34,275.00																																																																																																																																																																									
122-030	SPEA Pourable Insulation	03DEC07*	43	08FEB08	11MAR08		171	0.00		0.00																																																																																																																																																																									
122-036.9	Award Pourable Insulation		0	08FEB08	11MAR08		171	0.00		0.00																																																																																																																																																																									
122-037	Deliver Pourable Insulation	11FEB08	89	13JUN08	16JUL08		171	0.00		63,225.00																																																																																																																																																																									
1204-901.5	ECP45 FY06 cv	01OCT05A	43	31MAR06A	31MAR06A			62,500.00	LOE	62,500.00																																																																																																																																																																									
122-031	Title III engr WBS 12 non vwsa	01FEB06A	669	30SEP08	30SEP08		250	8,821.96		46,431.37																																																																																																																																																																									
<b>Job: 1250 - Vacuum Vessel Fabrication-VIOLA</b>																																																																																																																																																																																			
<b>+ Start Up/Engineering</b>																																																																																																																																																																																			
		24SEP04A	477					256,750.78		256,750.78																																																																																																																																																																									
<b>+ Dies &amp; Gages</b>																																																																																																																																																																																			
		20SEP04A	185	10JUN05A	10JUN05A			655,640.00	100	655,640.00																																																																																																																																																																									
<b>+ Fixture (2) 60 degree</b>																																																																																																																																																																																			
		25OCT04A	169	23JUN05A	23JUN05A			0.00	100	0.00																																																																																																																																																																									
<b>+ Fixture (3) 120 degree</b>																																																																																																																																																																																			
		15APR05A	76	29JUL05A	29JUL05A			220,000.00	100	220,000.00																																																																																																																																																																									
<b>+ Panels &amp; Ports</b>																																																																																																																																																																																			
		29OCT04A	321	27JAN06A	27JAN06A			1,211,490.00	100	1,211,490.00																																																																																																																																																																									
<b>First 120 deg segment</b>																																																																																																																																																																																			
VVSA-301	1st 60 deg segment	10JUN05A	59	12AUG05A	12AUG05A			175,000.00	100	175,000.00																																																																																																																																																																									
VVSA-311	2nd 60 deg segment	23JUN05A	50	15AUG05A	15AUG05A			175,000.00	100	175,000.00																																																																																																																																																																									

Run Date 16AUG06 10:13

 Forecast  
 zECP-50 baseline  
 Progress Bar  
 Critical Activity

0607

**NCSX**  
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
1350-610	Setup copper delivery system	03OCT05A	15	31OCT05A	31OCT05A			11,240.32	100	11,240.32																																																																																																												
1350-615	Install taping machine	01OCT05A	15	31OCT05A	31OCT05A			11,240.32	100	11,240.32																																																																																																												
1350-100.1	Design tooling & winding facility*CANCELLED*	03OCT05A	88*	31MAR06A	31MAR06A			46,614.85	100	46,614.85																																																																																																												
1350-505	Winding Clamps	02MAY05A	174*	23DEC05A	23DEC05A			21,766.78	100	21,766.78																																																																																																												
1350-510	Taping Machine Conditioning*CANCELLED*	01DEC05A	6	31MAR06A	31MAR06A			24,976.48	100	24,976.48																																																																																																												
1350-515	Winding mandrel*CANCELLED*	01JUL05A	131*	31MAR06A	31MAR06A			10,128.37	100	10,128.37																																																																																																												
1350-520	Misc tools & equip*CANCELLED*	08SEP05A	103*	31MAR06A	31MAR06A			32,417.45	100	32,417.45																																																																																																												
1351-089	Fixtures	03OCT05A	163*	31MAR06A	31MAR06A			8,795.52	100	8,795.52																																																																																																												
1350-620	Complete setup of facility *CANCELLED*		0	31MAR06A	31MAR06A			0.00	N/A	0.00																																																																																																												
1350-525	TF mold (2) *CANCELLED*	31MAR06A	44	31MAR06A	31MAR06A			0.00	N/A	0.00																																																																																																												
1351-080	Design Assy Fixture*CANCELLED*	31MAR06A	20	31MAR06A	31MAR06A			0.00	N/A	0.00																																																																																																												
1351-086	Fab/Assemble Fixture*CANCELLED*	31MAR06A	19	31MAR06A	31MAR06A			0.00	N/A	0.00																																																																																																												
1351-088	Setup Wedge Casting Fixture & test*CANCELLED*	31MAR06A	5	31MAR06A	31MAR06A			0.00	N/A	0.00																																																																																																												
13ECP44-04	ECP45 FY06 cv	03OCT05A	2	31MAR06A	31MAR06A			44,720.00	100	44,720.00																																																																																																												
1351-090	PPPL Fab TF Coil Lift Beam (M1098)	02OCT06*	43	01DEC06	01DEC06		706	0.00		13,315.20																																																																																																												

**Job: 1351 - TF Coil Fabr Supplies-KALISH**

**TF Materials & Supplies**

FY05CV-8	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			14,000.00		14,000.00																																				
1301FD-72	TF Conductor Procurement Package approved	31MAY05A	5	31MAY05A	31MAY05A			0.00	100	0.00																																				
1301FD-74	Prepare & issue TF Conductor RFP	31MAY05A	23*	03JUN05A	03JUN05A			0.00	100	0.00																																				
1301FD-76	Evaluate bids and award TF conductor	06JUN05A	0*	30JUN05A	30JUN05A			0.00	100	0.00																																				
1301FD-77	Award TF conductor		0	30JUN05A	30JUN05A			0.00	100	0.00																																				
1301FD-78	TF Wedge Plate procurement package approved	29JUL05A	5	29JUL05A	29JUL05A			0.00	100	0.00																																				
1301FD-80	Prepare and Issue TF Wedge Plate RFP	12AUG05A	5	18AUG05A	18AUG05A			0.00	100	0.00																																				
1351-529	Coil Supplies- Deliver Copper Conductor(PE005935	01JUL05A	123*	23DEC05A	23DEC05A			133,864.50	100	133,864.50																																				
1351-531	Coil Supplies- G-11 fillers (PE006162)	03JAN06A	29*	31JAN06A	31JAN06A			89,115.00	100	89,115.00																																				
1351-533	Lead spur material	03SEP05A	206*	31MAR06A	31MAR06A			32,025.00	100	32,025.00																																				
1351-525	Coil Supplies- Insulation (PE6299)	03JAN06A	128*	30JUN06A	31MAY06			109,680.00	100	109,680.00																																				
1351-534	PPPL Fabricate Lead Spurs (M1319)	01MAY06A	87*	31AUG06	31JUL06		769	18,468.47	68	27,159.52																																				
13ECP44-05	ECP45 FY06 cv	03OCT05A	2	31MAR06A	31MAR06A			63,960.00		63,960.00																																				

**Job: 1361 - TF Fabrication-KALISH**

**TF Title III and Fabrication Oversight**

131-031	Title III engr	10OCT05A	182*	28APR06A	28APR06A			50,809.85	LOE	50,809.85																																				
131-032	Title III engr	01MAY06A	354*	26SEP07	26SEP07		502	48,998.94	LOE	270,712.38																																				

Run Date 16AUG06 10:13

	Forecast
	zECP-50 baseline
	Progress Bar
	Critical Activity

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**NCSX  
ECP-50 STATUS  
THROUGH JULY 31, 2006**

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Kalish=387

m&s=\$80k

em/tb=248; ea/em =40





em/tb=160

Kalish=1432 travel=\$10k



Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06 FY07 FY08															
											FY06					FY07					FY08					
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
<b>TF Fabrication Contract</b>																										
1361C-001	Contract Awarded	28APR06A	0					0.00		0.00																
1361C-005	Tooling	28APR06A	134*	01NOV06	15AUG06		751	127,742.93	LOE	255,485.85	41=\$186.345															
1361C-007	Wedge Material (1)	29SEP06	85*	26JAN07	06SEP06		690	0.00	0	248,493.75	41=\$181.250															
1361C-009	Tooling (Climax)	02OCT06*	11*	16OCT06	16OCT06		763	0.00		75,000.00	48=\$75															
1361C-010	Wedge Material (2)	29SEP06	245*	12SEP07	29SEP06		529	0.00	0	230,384.11	41=\$132.41; 48=\$48.85															
1361C-101	Fab, Test & Deliver Coil #1	14NOV06	64*	12FEB07	01DEC06		679	0.00		47,210.00	48=\$47.21															
1361C-102	Fab, Test & Deliver Coil #2	02JAN07	36*	20FEB07	19JAN07		673	0.00		47,210.00	48=\$47.21															
1361C-103	Fab, Test & Deliver Coil #3	15JAN07	31*	26FEB07	16FEB07		669	0.00		47,210.00	48=\$47.21															
1361C-104	Fab, Test & Deliver Coil #4	19FEB07*	15	09MAR07	09MAR07		264	0.00		47,210.00	48=\$47.21															
1361C-105	Fab, Test & Deliver Coil #5	12MAR07*	10	23MAR07	23MAR07		264	0.00		47,210.00	48=\$47.21															
1361C-106	Fab, Test & Deliver Coil #6	26MAR07*	10	06APR07	06APR07		264	0.00		47,210.00	48=\$47.21															
1361C-107	Fab, Test & Deliver Coil #7	09APR07*	10	20APR07	20APR07		264	0.00		47,210.00	48=\$47.21															
1361C-108	Fab, Test & Deliver Coil #8	23APR07*	10	04MAY07	04MAY07		264	0.00		47,210.00	48=\$47.21															
1361C-109	Fab, Test & Deliver Coil #9	07MAY07*	10	18MAY07	18MAY07		264	0.00		47,210.00	48=\$47.21															
1361C-110	Fab, Test & Deliver Coil #10	21MAY07*	10	04JUN07	04JUN07		264	0.00		47,210.00	48=\$47.21															
1361C-111	Fab, Test & Deliver Coil #11	05JUN07*	10	18JUN07	18JUN07		264	0.00		47,210.00	48=\$47.21															
1361C-112	Fab, Test & Deliver Coil #12	19JUN07*	10	02JUL07	02JUL07		264	0.00		47,210.00	48=\$47.21															
1361C-113	Fab, Test & Deliver Coil #13	03JUL07*	10	17JUL07	17JUL07		264	0.00		47,210.00	48=\$47.21															
1361C-114	Fab, Test & Deliver Coil #14	18JUL07*	10	31JUL07	31JUL07		264	0.00		47,210.00	48=\$47.21															
1361C-115	Fab, Test & Deliver Coil #15	01AUG07*	10	14AUG07	14AUG07		264	0.00		47,220.00	48=\$47.21															
1361C-116	Fab, Test & Deliver Coil #16	15AUG07*	10	28AUG07	28AUG07		264	0.00		47,220.00	48=\$47.21															
1361C-117	Fab, Test & Deliver Coil #17	29AUG07*	10	12SEP07	12SEP07		264	0.00		47,220.00	48=\$47.21															
1361C-118	Fab, Test & Deliver Coil #18	13SEP07*	10	26SEP07	26SEP07		264	0.00		47,220.00	48=\$47.21															
1351-195X	ALL TF COILS DELIVERED		0	26SEP07	26SEP07		264	0.00		0.00	***** ALL TF COILS DELIVERED DOE LEVEL 2 MILESTONE PER DATE = AUGUST 2008 *****															
<b>TF Fabrication (Everson internal schedule)</b>																										
ET-01	PO Award	01MAY06A	1	01MAY06A				0.00		0.00																
ET-02	Bending Test Program	22MAY06A	55*	04AUG06			814	0.00		0.00																
ET-03	Wedge Design Development	02MAY06A	25	05JUN06A				0.00		0.00																
ET-04	Wedge Programming & Inspection	04SEP06*	15	22SEP06			779	0.00		0.00																
ET-05	Brazing Fixture Design	26JUN06A	15	14JUL06A				0.00		0.00																
ET-06	Brazing Fixture Review	17JUL06A	5	21JUL06A				0.00		0.00																
ET-07	Brazing Fixture Finalize	24JUL06A	4	27JUL06A				0.00		0.00																
ET-08	Brazing Fixture Procurement	28JUL06A	11*	11AUG06			809	0.00		0.00																
ET-09	Brazing Head Procurement	17JUL06A	20*	11AUG06			809	0.00		0.00																

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 Forecast  
 zECP-50 baseline  
 Progress Bar  
 Critical Activity

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**ECP-50 STATUS THROUGH JULY 31, 2006**

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08											
											M J J A S O N D J F M A M J J A S O N D J F M A M J J A																																			
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A								
ET-10	Winding Fixture Design	26JUN06A	10	07JUL06A				0.00		0.00																																				
ET-11	Winding Fixture Review	10JUL06A	5	14JUL06A				0.00		0.00																																				
ET-12	Winding Fixture Finalize	17JUL06A	3	19JUL06A				0.00		0.00																																				
ET-13	Winding Fixture Procurement	20JUL06A	45*	20SEP06			781	0.00		0.00																																				
ET-14	Mold Fixture Design	26JUN06A	10	07JUL06A				0.00		0.00																																				
ET-15	Mold Fixture Review	10JUL06A	5	14JUL06A				0.00		0.00																																				
ET-16	Mold Fixture Finalize	17JUL06A	3	19JUL06A				0.00		0.00																																				
ET-17	Mold Fixture Procurement	20JUL06A	65*	18OCT06			761	0.00		0.00																																				
ET-18	Lifting Fixture Design	26JUN06A	10	07JUL06A				0.00		0.00																																				
ET-19	Lifting Fixture Review	10JUL06A	5	14JUL06A				0.00		0.00																																				
ET-20	Lifting Fixture Finalize	17JUL06A	3	19JUL06A				0.00		0.00																																				
ET-21	Lifting Fixture Procurement	20JUL06A	20*	16AUG06			806	0.00		0.00																																				
ET-22	Offset Fixture Design	14AUG06*	10	25AUG06			774	0.00		0.00																																				
ET-23	Offset Fixture Review	28AUG06	5	01SEP06			774	0.00		0.00																																				
ET-24	Offset Fixture Finalize	04SEP06	5	08SEP06			774	0.00		0.00																																				
ET-25	Offset Fixture Procurement	11SEP06	15	29SEP06			774	0.00		0.00																																				
ET-26	Wedge Milling Fixture Design	01AUG06	19	25AUG06			761	0.00		0.00																																				
ET-27	Wedge Milling Fixture Review	28AUG06	4	31AUG06			761	0.00		0.00																																				
ET-28	Wedge Milling Fixture Finalize	01SEP06	4	06SEP06			761	0.00		0.00																																				
ET-29	Wedge Milling Fixture Procurement	07SEP06	30	18OCT06			761	0.00		0.00																																				
ET-30	Wedge Milling Inspection Fixture Design	28AUG06*	5	01SEP06			765	0.00		0.00																																				
ET-31	Wedge Milling Inspection Fixture Review	04SEP06	5	08SEP06			765	0.00		0.00																																				
ET-32	Wedge Milling Inspection Fixture Finalize	11SEP06	3	13SEP06			765	0.00		0.00																																				
ET-33	Wedge Milling Inspection Fixture Procure	14SEP06	21	12OCT06			765	0.00		0.00																																				
ET-34	Shipping Fixture Design	11SEP06*	5	15SEP06			751	0.00		0.00																																				
ET-35	Shipping Fixture Review	18SEP06	5	22SEP06			751	0.00		0.00																																				
ET-36	Shipping Fixture Finalize	25SEP06	3	27SEP06			751	0.00		0.00																																				
ET-37	Shipping Fixture Procurement	28SEP06	25	01NOV06			751	0.00		0.00																																				
ET-38	Shipping Container Design	05SEP06*	4	08SEP06			751	0.00		0.00																																				
ET-39	Shipping Container Review	11SEP06	5	15SEP06			751	0.00		0.00																																				
ET-40	Shipping Container Finalize	18SEP06	3	20SEP06			751	0.00		0.00																																				
ET-41	Shipping Container Procurement	21SEP06	30	01NOV06			751	0.00		0.00																																				
ET-44	Develop Brazing Process Spec	21AUG06*	20	15SEP06			769	0.00		0.00																																				
ET-45	Brazing Technician Qualification	18SEP06	15	06OCT06			769	0.00		0.00																																				
ET-46	MPO/Traveler Development	18SEP06*	20	13OCT06			719	0.00		0.00																																				
ET-47	MPO PPPL Review & Approval	16OCT06	20	10NOV06			719	0.00		0.00																																				
ET-48	Clean Room Construction	24JUL06A	30*	01SEP06			774	0.00		0.00																																				

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**ECP-50 STATUS**

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	Calendar															
											FY06					FY07					FY08					
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
ET-86	Coil #3 Shipping	23FEB07	2	26FEB07			669	0.00	0.00																	
13ECP44-06	ECP45 FY06 cv	03OCT05A	2	31MAR06A	<b>31MAR06A</b>			37,220.00		37,220.00																

**Job: 1302 - PF Design -KALISH**

1302-PF	Start PF Preliminary Design**ON HOLD UNTIL FY06*	01MAR05A	145	30SEP05A	<b>30SEP05A</b>			7,601.50	100	7,601.50																
1302-PFX	Start Preliminary Design	01FEB06A	64	28APR06A	<b>28APR06A</b>			13,524.47	100	13,524.47																
13ECP44-02	ECP45 FY06 cv	03OCT05A	2	31MAR06A	<b>31MAR06A</b>			-6,900.00		-6,900.00																
1302-200	Complete PF Coil SRD	02OCT06*	10	13OCT06	<b>13OCT06</b>		287	0.00		1,778.60																
1302-205	Update PF Analysis	16OCT06	20	10NOV06	<b>10NOV06</b>		287	0.00		14,584.52																
1302-210	PF Coil ICD	16OCT06	10	27OCT06	<b>27OCT06</b>		307	0.00		1,778.60																
1302-215	Complete PDR PF Dwgs	13NOV06	10	28NOV06	<b>28NOV06</b>		287	0.00		8,893.00																
1302-220	Prepare for PDR	13NOV06	5	17NOV06	<b>17NOV06</b>		292	0.00		11,383.04																
1302-225	PDR	29NOV06	1	29NOV06	<b>29NOV06</b>		287	0.00		4,268.64																
1302-230	Prepare PF Procurement Coil Spec	30NOV06	20	04JAN07	<b>04JAN07</b>		287	0.00		5,869.38																
1302-235	Detail Drawings PF4	30NOV06	10	13DEC06	<b>13DEC06</b>		292	0.00		7,114.40																
1302-240	Disposition PDR Chits	30NOV06	20	04JAN07	<b>04JAN07</b>		302	0.00		5,869.38																
1302-245	Detail Drawings PF5	14DEC06	10	04JAN07	<b>04JAN07</b>		292	0.00		7,114.40																
1302-250	PF Stress analysis with leads	30NOV06	15	20DEC06	<b>20DEC06</b>		307	0.00		16,896.70																
1302-255	Review PF Coil Procurement Spec	05JAN07	15	25JAN07	<b>25JAN07</b>		287	0.00		3,557.20																
1302-260	Detail Drawings PF6	05JAN07	10	18JAN07	<b>18JAN07</b>		292	0.00		7,114.40																
1302-265	Prepare for FDR	26JAN07	5	01FEB07	<b>01FEB07</b>		287	0.00		11,738.76																
1302-270	PF FDR	02FEB07	1	02FEB07	<b>02FEB07</b>		287	0.00		4,268.64																
1302-275	Resolve Chits	05FEB07	10	16FEB07	<b>16FEB07</b>		287	0.00		13,339.50																
133-010	Design WBS 134 Conv Coil I&C**ON HOLD UNTIL FY05CV-6	01MAR05A	316	31OCT06	<b>31OCT06</b>		443	1,360.92	10	13,609.18																
FY05CV-6	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	<b>30SEP05A</b>			-22,000.00	100	-22,000.00																

**Job: 1352 - PF Coil Procurement-KALISH**

PF Coil Fabrication																										
141-035	Bid & Award PF Coils	06AUG07*	45	08OCT07	<b>08OCT07</b>		169	0.00		0.00																
141-036	PF Coils Awarded		0	08OCT07	<b>08OCT07</b>		169	0.00		0.00																
1352-100	Material & leads	09OCT07	75	01FEB08	<b>01FEB08</b>		169	0.00		227,610.00																
1352-110	Tooling for PF 4	09OCT07*	25	12NOV07	<b>12NOV07</b>		204	0.00		56,200.00																
1352-115	Tooling for PF 5	13NOV07	25	19DEC07	<b>19DEC07</b>		204	0.00		56,200.00																
1352-120	Tooling for PF 6	20DEC07	25	01FEB08	<b>01FEB08</b>		241	0.00		56,200.00																
1352-105	Tooling for PF 1,2 and 3 NOT REQ'D USE PF1a	04FEB08	30	14MAR08	<b>14MAR08</b>		389	0.00		0.00																

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**ECP-50 STATUS**

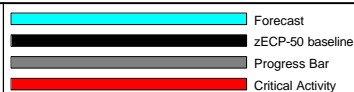
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<span style="background-color: cyan; border: 1px solid black; display: inline-block; width: 15px; height: 8px;"></span>	Forecast
<span style="background-color: gray; border: 1px solid black; display: inline-block; width: 15px; height: 8px;"></span>	zECP-50 baseline
<span style="background-color: gray; border: 1px solid black; display: inline-block; width: 15px; height: 8px;"></span>	Progress Bar
<span style="background-color: red; border: 1px solid black; display: inline-block; width: 15px; height: 8px;"></span>	Critical Activity

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06 FY07 FY08																										
											FY06					FY07					FY08																
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
1352-140	Fabricate/Dlvr PF 4 lower	04FEB08	10	15FEB08	15FEB08		169	0.00	42,150.00																						41=30						
1352-145	Fabricate/Dlvr PF 5 lower	18FEB08	15	07MAR08	07MAR08		169	0.00	42,150.00																						41=30						
1352-150	Fabricate/Dlvr PF 6 lower	10MAR08	15	28MAR08	28MAR08		169	0.00	42,150.00																					41=30							
1352-155	Fabricate/Dlvr PF 4 upper	31MAR08	10	11APR08	11APR08		191	0.00	42,150.00																					41=30							
1352-160	Fabricate/Dlvr PF 5 upper	14APR08	15	02MAY08	02MAY08		191	0.00	42,150.00																					41=30							
1352-165	Fabricate/Dlvr PF 6 upper	05MAY08	15	23MAY08	23MAY08		191	0.00	42,150.00																					41=30							
1352-135X	Refurbish NSTX PF1a	01OCT07*	5	05OCT07	05OCT07		338	0.00	1,367.36																										em//tb=16		
722.010	PF Coil receipt inspect/test (formerly wbs 183)	25FEB08*	83	19JUN08	19JUN08		321	0.00	31,275.16																										em//sm=94; em//tb=218		
141-031	Title III engr WBS 132	06AUG07*	268	29AUG08	29AUG08		271	0.00	112,810.82																										Kalish=551;ea//dm=69;		
<b>Job: 1354 - Trim Coil Design &amp;Procurement-KALISH</b>																																					
<b>Trim Coils</b>																																					
1303-TRIM	Trim Coil Design	01FEB07*	65	02MAY07	12FEB07		151	0.00	42,330.68																											kalish=90;rushinski=74;analyst=74	
1303-136	Trim Coil PDR		0	01MAR07	04DEC06		160	0.00	0.00																												
1303-137	Trim Coil FDR		0	02MAY07	12FEB07		151	0.00	0.00																												
184-035	Bid & Award Ext Trim Coils	03MAY07	45	06JUL07	16APR07		151	0.00	0.00																												
184-036	Award External Trim Coils		0	06JUL07	16APR07		151	0.00	0.00																												
184-037	External Trim Coil Procurement/Fab*ecp16	09JUL07	87	07NOV07	17AUG07		151	0.00	34,548.56																											41=25	
184-015	Title III WBS 133 Rxt Trim Coils	03MAY07	147	28NOV07	10SEP07		457	0.00	27,022.91																											Rushinski=26;Kalish=95;35=68	
<b>Job: 1303 -Central Solenoid Support Dsn-DAHLGREN</b>																																					
1303-110	CS Support Design& analysis	03JAN06A	167*	25AUG06	31JUL06		322	96,359.62	90	106,872.84																										rushinski=312; dahlgren=302	
1303-115	CS Support FDR		0	29AUG06*	31JUL06		320	0.00	0.00																												
13ECP44-03	ECP45 FY06 cv	03OCT05A	2	31MAR06A	31MAR06A			10,010.00		10,010.00																											
<b>Job: 1353 - CS Structure Procurement-DAHLGREN</b>																																					
<b>CS Support Structure</b>																																					
163-035	Bid & Award CS Support Struct	02APR07*	45	04JUN07	05DEC06		176	0.00	0.00																												
163-036.9	Award CS Support Structure		0	04JUN07	05DEC06		176	0.00	0.00																												
163-037	CS Support Structure Procurement/Fab	05JUN07*	249	03JUN08	04DEC07		176	0.00	62,111.24																												41=9,2\$;em//sm=123;em//tb=49
163-015	Title III design CS sprt struc	05JUN07	294	06AUG08	04DEC07		288	0.00	60,377.56																												Kalish=258;Rushinski=80
<b>Job: 1355 - WBS 13 I&amp;C Proc &amp; Coil Assy-KALISH</b>																																					
<b>TF/PF Load I&amp;C</b>																																					
133-015	Title III WBS 134 Conv Coil I&C	01MAR07*	130	31AUG07	11MAY07		519	0.00	1,141.72																												em//tb=240
133-037	Conv Coil I&C WBS 134 Proc & Install	01MAR07*	130	31AUG07	11MAY07		365	0.00	69,587.22																												
1355-100	CS and PF 1a Pre-Assy incl coil I&C procurement	04JUN08	15	24JUN08	03JAN08		176	0.00	20,510.40																												
<b>14 - Modular Coils</b>																																					
<b>+ Job: 1401 - Mod Coil Prel.Dsn**CLOSED**</b>																																					
		01APR03A	636	30SEP05A	30SEP05A			304,040.00	100	304,040.00																											

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0607

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**NCSX  
ECP-50 STATUS  
THROUGH JULY 31,2006**

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																						
											FY06				FY07				FY08				FY06				FY07				FY08																										
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D			
<b>+ Job: 1402 - Mod.Coil Analyses**CLOSED**</b>																																																									
		01APR03A	636	30SEP05A	30SEP05A			239,140.00	100	239,140.00																																															
<b>+ Job:1404-MCWF R&amp;D &amp; 1st Prod Casting**CLOSED**</b>																																																									
		01APR03A	636	30SEP05A	30SEP05A			2,543,518.06	100	2,543,518.06																																															
<b>+ Job: 1413 -MCWF Fracture Analysis-**CLOSED**</b>																																																									
		01OCT04A	372	30MAR06A	30MAR06A			27,819.40	100	27,819.40																																															
<b>+ Job: 1405-Mod Coil Winding R&amp;D Prep-**CLOSED**</b>																																																									
		01APR03A	636	30SEP05A	30SEP05A			168,070.00	100	168,070.00																																															
<b>+ Job: 1407 -Mod Coil Winding Facility-**CLOSED**</b>																																																									
		01APR03A	757	30MAR06A	30MAR06A			2,571,373.12	100	2,571,373.12																																															
<b>+ Job: 1412 - Complete Winding Facilities-*CLOSED*</b>																																																									
		01OCT04A	372	30MAR06A	30MAR06A			540,996.88	100	540,996.88																																															
<b>+ Job: 1406 - Mod. Coil Winding R&amp;D-**CLOSED**</b>																																																									
		01APR03A	757	30MAR06A	30MAR06A			2,263,568.41	100	2,263,568.41																																															
<b>+ Job: 1410 MC Twisted Racetrack Fabr-**CLOSED**</b>																																																									
		01OCT04A	372	30MAR06A	30MAR06A			1,049,971.32	100	1,049,971.32																																															
<b>+ Job: 1409 - Coil Test Stand-GETTELFINGER*CLOSED*</b>																																																									
		20OCT03A	700	31JUL06A	30SEP05A			825,941.31	100	825,941.31																																															
<b>+ Job: 1414 Coil Testing-Gettelfinger**CLOSED**</b>																																																									
		01OCT04A	457	31JUL06A	30JUN06			674,833.26	100	674,833.26																																															
<b>+ Job: 1415 Dim Cntrl Testing-RAFTOPOLOUS*CLOSED**</b>																																																									
		01OCT04A	251	30SEP05A	30SEP05A			23,850.00	100	23,850.00																																															
<b>+ Job: 1419-Winding Fac. Mods-CHRZANOWSKI*CLOSED*</b>																																																									
		01OCT04A	372	30MAR06A	30MAR06A			55,210.00	100	55,210.00																																															
<b>Job: 1403 - Modular Coil Final Design-WILLIAMSON</b>																																																									
<b>+ PDR/PBR Prep</b>																																																									
		01OCT03A	61	24DEC03A	24DEC03A			18,016.60	100	18,016.60																																															
<b>+ Requirements/Config and Interfaces</b>																																																									
		15OCT03A	160	28MAY04A	28MAY04A			46,457.09	100	46,457.09																																															
<b>+ Analysis - Thermal &amp; Electrical</b>																																																									
		15OCT03A	152	18MAY04A	18MAY04A			39,639.40	100	39,639.40																																															
<b>+ Analysis - Structural</b>																																																									
		15OCT03A	152	18MAY04A	18MAY04A			367,160.37	100	367,160.37																																															
<b>+ Winding Form FDR Prep</b>																																																									
		15OCT03A	236	16SEP04A	16SEP04A			383,223.24	100	383,223.24																																															
<b>+ MCWF Procurement</b>																																																									
		01JUN04A	86	30SEP04A	30SEP04A			45,223.48	100	45,223.48																																															

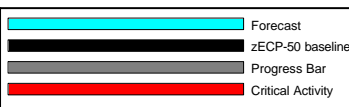
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	Forecast
	zECP-50 baseline
	Progress Bar
	Critical Activity

**ECP-50 STATUS THROUGH JULY 31,2006**

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08											
											FY06				FY07				FY08				FY06				FY07				FY08															
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
<b>+ Coil-to-coil Interface Design</b>																																														
		15OCT03A	246	30SEP04A	30SEP04A			91,408.51	100	91,408.51																																				
<b>+ MCWF &amp; Winding Analysis/Testing</b>																																														
		02FEB04A	400	31AUG05A	31AUG05A			656,902.73	100	656,902.73																																				
<b>+ Winding and Assembly Design-Type C</b>																																														
		01JAN04A	442	30SEP05A	30SEP05A			267,656.11	100	267,656.11																																				
<b>+ Twisted Racetrack Design (Williamson)</b>																																														
		01OCT03A	455	29JUL05A	29JUL05A			376,539.25	100	376,539.25																																				
<b>+ Prior Costs</b>																																														
		01OCT04A	251	30SEP05A	30SEP05A			564,400.00	100	564,400.00																																				
<b>Type C Design Closeout</b>																																														
1403-203C	Finish Clamp Dwgs (5)-Type C	01MAR05A	193*	30NOV05A	30NOV05A			15,791.04	100	15,791.04																																				
1403-506	Chill plate dwgs approved for fabrication		0*	30NOV05A	30NOV05A			0.00	100	0.00																																				
1403-510	Clamp and assy dwgs approved for fabrication	30NOV05A	0*	30NOV05A	30NOV05A			0.00	100	0.00																																				
1403-59	Type-C product specifications	02MAY05A	160*	30NOV05A	30NOV05A			6,350.79	100	6,350.79																																				
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	01SEP05A	42*	31OCT05A	31OCT05A			6,474.00	100	6,474.00																																				
1403-X1	Winding form revisions (unplanned)	03OCT05A	0	31OCT05A	31OCT05A			0.00		0.00																																				
1403-X2	Terminal Changes (unplanned)	03OCT05A	0	31OCT05A	31OCT05A			0.00		0.00																																				
1403-20.2	Resolve FDR chits	01AUG05A	187*	28APR06A	28APR06A			7,277.74	100	7,277.74	44 hrs																																			
1403-206C	Finish Cooling, Electr Schematic Dwgs - Type C	01MAR05A	381*	31AUG06	30MAY06		769	5,876.44	90	6,529.38	40 hrs																																			
1403-223C	Finish Top level coil assembly-Type C	01MAR05A	381*	31AUG06	30MAY06		769	47,452.24	90	52,724.71	323 hrs																																			
1403-224C	Finish VPI mold assembly-Type C	01MAR05A	381*	31AUG06	30MAY06		769	17,629.32	90	19,588.13	120 hrs																																			
1403-58C	Check and promote clamp, I&C assy dwgs -Type C	01JUN05A	316*	31AUG06	12MAY06		769	14,843.54	90	16,492.82	100 hrs																																			
1403-40.2Z	Update nonlinear winding pack analysis	02AUG04A	560*	02JAN07	30MAY06		680	87,858.61	90	97,620.67	freudenberg=527;williamson=40 nelson=4Myatt=40 (\$5k)																																			
1403-42A1	Document analysis of MCWF eddy currents	02OCT06*	43	01DEC06	30MAY06		696	0.00	10	0.00	Brooks																																			
1403-42H	calculate EM loads at leads	01SEP05A	288*	02JAN07	30MAY06		680	7,068.92	70	10,098.46	williamson=60																																			
1403-47A	Update,review & approve FMECA	26SEP05A	271*	02JAN07	30MAY06		680	676.58	10	6,765.82	Williamson=40																																			
1403-47C	Perform cool-down/warmup analysis	02OCT06*	43	01DEC06	12MAY06		696	0.00		7,114.40	fan=40																																			
1403-50A	Check inductance calculation	02OCT06*	43	01DEC06	12MAY06		696	0.00		6,876.00	ornlem=40																																			
1403-60C	Finish Update design basis document	02MAY05A	374*	02JAN07	22MAY06		680	7,931.49	60	13,219.15	80 hrs																																			
1403-73	Prep struct analysis report	01MAY05A	374*	02JAN07	26MAY06		680	10,575.32	80	13,219.15	FREUDENBERG =80hr ;																																			
1403-76	Structural analysis of leads	01OCT04A	517*	02JAN07	12MAY06		680	10,393.71	80	12,992.14	FREUDENBERG =80hr ;																																			
1403-90	Compile Material properties database	01OCT04A	517*	02JAN07	30MAY06		680	18,382.57	90	20,425.08	hm fan=120																																			
1403-990	Analysis of C1 test data*not budgeted*	03JUL06A	43*	31AUG06			769	0.00	90	0.00																																				
FY06CV-101	ECP45 FY06 cv	01OCT05A	251*	30MAR06A	30MAR06A			322,560.00	100	322,560.00																																				

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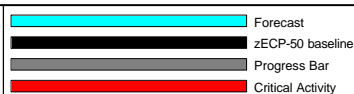
**ECP-50 STATUS THROUGH JULY 31, 2006**

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																
											FY06				FY07				FY08				FY06				FY07				FY08																				
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
<b>Job: 1416-Mod Coil Type A&amp;B Final Dsn-WILLIAMSON</b>																																																			
<b>Winding and Assembly Design-Type A</b>																																																			
1416A-113	MCWF mods-As-Built MCWF	01AUG05A	145	28FEB06A	28FEB06A			13,153.50	100	28FEB06A																																									
1416A-117	MCWF mods-Studs, Lead Block Mount	01OCT05A	100	28FEB06A	28FEB06A			6,748.00	100	28FEB06A																																									
1416A-121	MCWF mods-Seal Groove Adapter	01OCT05A	142	28APR06A	28APR06A			10,122.00	100	28APR06A																																									
1416A-129	MCWF mods-Check and Promote	30NOV05A	124	31MAY06A	05MAY06			3,374.00	100	05MAY06																																									
1416A-133	Lead Block Assy-Lead Blocks	01OCT05A	100	28FEB06A	28FEB06A			13,496.00	100	28FEB06A																																									
1416A-137	Lead Block Assy-Top and Side Plates	28NOV05A	62	28FEB06A	28FEB06A			13,496.00	100	28FEB06A																																									
1416A-141	Lead Block Assy-Detail Parts, Intralink	28NOV05A	84	10MAR06A	10MAR06A			10,122.00	100	10MAR06A																																									
1416A-149	Lead Block Assy-Check and Promote		0	31MAY06A	05MAY06			3,374.00	100	05MAY06																																									
1416A-161	Side A Coil Assy-Cladding Asm	01SEP05A	144	31MAR06A	31MAR06A			59,645.29	100	31MAR06A																																									
1416A-165	Side A Coil Assy-Cond Layers, Geom Files	28NOV05A	84	31MAR06A	31MAR06A			6,748.00	100	31MAR06A																																									
1416A-169	Side A Coil Assy-Magnetic Loops	28NOV05A	84	31MAR06A	31MAR06A			3,374.00	100	31MAR06A																																									
1416A-173	Side A Coil Assy-Chill Plates and Tubing	28NOV05A	84	31MAR06A	31MAR06A			40,488.00	100	31MAR06A																																									
1416A-177	Side A Coil Assy-Check and Promote		0	31MAR06A	31MAR06A			6,748.00	100	31MAR06A																																									
1416A-181	Side B Coil Assy-Cladding Asm	01SEP05A	144	31MAR06A	31MAR06A			39,724.23	100	31MAR06A																																									
1416A-185	Side B Coil Assy-Cond Layers, Geom Files	28NOV05A	84	31MAR06A	31MAR06A			6,748.00	100	31MAR06A																																									
1416A-189	Side B Coil Assy-Magnetic Loops	28NOV05A	84	31MAR06A	31MAR06A			3,374.00	100	31MAR06A																																									
1416A-193	Side B Coil Assy-Chill Plates and Tubing	28NOV05A	84	31MAR06A	31MAR06A			41,774.40	100	31MAR06A																																									
1416A-197	Side B Coil Assy-Check and Promote		0	28APR06A	28APR06A			6,748.00	100	28APR06A																																									
1416A-213	Clamp Assy-Clamp Hardware	28NOV05A	40	23DEC05A	23DEC05A			674.80	100	23DEC05A																																									
1416A-217	Clamp Assy-Check and Promote	01DEC05A	1	23DEC05A	23DEC05A			674.80	100	23DEC05A																																									
1416A-105	Top level models and drawings	03MAR06A	127	30AUG06	07JUL06			201	5,398.40	80	07JUL06																																								
1416A-109	-Check and Promote Top Level Drawings	31AUG06	5	07SEP06	21JUL06			201	0.00		21JUL06																																								
1416A-153	Lead Terminals-Splice Plates	01MAY06A	86	30AUG06	09MAY06			755	1,687.00	50	09MAY06																																								
1416A-157	Lead Terminals-Check and Promote	01MAY06A	86	30AUG06	16MAY06			755	1,012.20	30	16MAY06																																								
1416A-201	Coil Post VPI mods-Studs Removed	03DEC05A	177	18AUG06	18AUG06			195	2,699.20	80	18AUG06																																								
1416A-205	Coil Post VPI mods-Clamp Arrangement	03DEC05A	177	18AUG06	18AUG06			195	5,398.40	80	18AUG06																																								
1416A-209	Coil Post VPI mods-Check and Promote	21AUG06	5	25AUG06	25AUG06			195	2,699.20	80	25AUG06																																								
1416A-221	I&C-Strain Gages and T/C	03MAR06A	148	29SEP06	08SEP06			749	1,687.00	50	08SEP06																																								
1416A-225	I&C-Rogowski Coils	03MAR06A	147	28SEP06	08SEP06			750	2,024.40	30	08SEP06																																								
1416A-229	I&C-Check and Promote	01AUG06*	43	29SEP06	29SEP06			749	0.00		29SEP06																																								
1416A-233	Coil-to-Coil -Current Feed Insul, Covers	15SEP06*	5	21SEP06	21SEP06			245	0.00		21SEP06																																								
1416A-237	Coil-to-Coil -Windings Insul Blanket	03JUL06A	63	29SEP06	21SEP06			239	1,687.00	50	21SEP06																																								
1416A-241	Coil-to-Coil -Bushing Installation	15SEP06*	5	21SEP06	21SEP06			245	0.00		21SEP06																																								
1416A-245	Coil-to-Coil -Check and Promote	02OCT06	5	06OCT06	28SEP06			239	0.00		28SEP06																																								
1416A-249	-Type-A Coil Asm Specification	01MAY06A	86	30AUG06	05MAY06			765	5,398.40	80	05MAY06																																								



Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08												
											M J J A S O N D J F M A M J J A S O N D J F M A M J J J												M J J A S O N D J F M A M J J J												M J J A S O N D J F M A M J J J												
1416A-253	-Review and Approve Type-A Spec	31AUG06*	5	07SEP06	30MAY06		765	0.00		3,374.00	■ ORNLEM =20hr ;																																				
1416A-257	-Update Coil Fab Procedures	31AUG06*	5	07SEP06	06JUN06		765	0.00		3,374.00	■ ORNLEM =20hr ;																																				
1416A-261	-Prepare for FDR	31AUG06*	5	07SEP06	13JUN06		755	0.00		6,748.00	■ ORNLEM =40hr ;																																				
<b>Winding and Assembly Design-Type B</b>																																															
1416B-113	MCWF mods-As-Built MCWF	01DEC05A	123*	31MAY06A	12MAY06			6,748.00	100	6,748.00	■ ORNLEM =40hr ;																																				
1416B-117	MCWF mods-Studs, Lead Block Mount	01MAY06A	0*	31MAY06A	12MAY06			6,748.00	100	6,748.00	■ ORNLEM =40hr ;																																				
1416B-121	MCWF mods-Seal Groove Adapter	01MAY06A	0*	31MAY06A	26MAY06			6,748.00	100	6,748.00	■ ORNLEM =40hr ;																																				
1416B-129	MCWF mods-Check and Promote	01MAY06A	5	30JUN06A	08JUN06			3,372.31	100	3,372.31	■ ORNLEM =20hr ;																																				
1416B-133	Lead Block Assy-Lead Blocks	28NOV05A	104*	14APR06A	14APR06A			13,496.00	100	13,496.00																																					
1416B-137	Lead Block Assy-Top and Side Plates	28NOV05A	104*	14APR06A	14APR06A			13,492.63	100	13,492.63																																					
1416B-141	Lead Block Assy-Detail Parts, Intralink	10FEB06A	56*	28APR06A	28APR06A			10,122.00	100	10,122.00	■ ORNLEM =60hr ;																																				
1416B-161	Side A Coil Assy-Cladding Asm	03DEC05A	121*	31MAY06A	12MAY06			24,461.50	100	24,461.50	■ ORNLEM =145hr ;																																				
1416B-165	Side A Coil Assy-Cond Layers, Geom Files	03MAR06A	63*	31MAY06A	12MAY06			6,748.00	100	6,748.00	■ ORNLEM =40hr ;																																				
1416B-169	Side A Coil Assy-Magnetic Loops	03MAR06A	63*	31MAY06A	12MAY06			3,372.31	100	3,372.31	■ ORNLEM =20hr ;																																				
1416B-173	Side A Coil Assy-Chill Plates and Tubing	03MAR06A	63*	31MAY06A	12MAY06			32,053.00	100	32,053.00	■ ORNLEM =190hr ;																																				
1416B-177	Side A Coil Assy-Check and Promote	01MAY06A	0*	31MAY06A	19MAY06			6,748.00	100	6,748.00	■ ORNLEM =40hr ;																																				
1416B-181	Side B Coil Assy-Cladding Asm	03DEC05A	143*	30JUN06A	19MAY06			20,887.20	100	20,887.20	■ E//EM =120hr ;																																				
1416B-185	Side B Coil Assy-Cond Layers, Geom Files	03MAR06A	85*	30JUN06A	19MAY06			6,748.00	100	6,748.00	■ ORNLEM =40hr ;																																				
1416B-189	Side B Coil Assy-Magnetic Loops	03MAR06A	85*	30JUN06A	19MAY06			3,372.31	100	3,372.31	■ ORNLEM =20hr ;																																				
1416B-193	Side B Coil Assy-Chill Plates and Tubing	03MAR06A	85*	30JUN06A	19MAY06			18,276.30	100	18,276.30	■ e3/em=105																																				
1416B-197	Side B Coil Assy-Check and Promote	01MAY06A	44*	30JUN06A	30MAY06			6,748.00	100	6,748.00	■ ORNLEM =40hr ;																																				
1416B-201	Coil Post VPI mods-Studs Removed	03MAR06A	148*	29SEP06	30MAY06		217	1,686.16	50	3,372.31	■ ORNLEM =20hr ;																																				
1416B-205	Coil Post VPI mods-Clamp Arrangement	03MAR06A	148*	29SEP06	30MAY06		217	3,374.00	50	6,748.00	■ ORNLEM =40hr ;																																				
1416B-105	Top level models and drawings	11MAR06A	118*	25AUG06	25AUG06		258	3,374.00	50	6,748.00	■ ORNLEM =40hr ;																																				
1416B-109	-Check and Promote top level drawings	28AUG06	5	01SEP06	01SEP06		258	0.00		3,372.31	■ ORNLEM =20hr ;																																				
1416B-149	Lead Block Assy-Check and Promote	01MAR06A	107*		12MAY06			2,697.85	80	3,372.31	■ ORNLEM =20hr ;																																				
1416B-153	Lead Terminals-Splice Plates	01AUG06*	5	07AUG06	08MAY06		217	0.00		3,372.31	■ ORNLEM =20hr ;																																				
1416B-157	Lead Terminals-Check and Promote	08AUG06*	5	14AUG06	15MAY06		217	0.00		3,372.31	■ ORNLEM =20hr ;																																				
1416B-205A	Coil Post VPIU mods cooling/electrical	01AUG06*	9*	11AUG06	11AUG06		251	0.00		6,748.00	■ ORNLEM=40																																				
1416B-209	Coil Post VPI mods-Check and Promote	01AUG06	19*	25AUG06	25AUG06		241	0.00		3,374.00	■ ORNLEM =20hr ;																																				
1416B-221	I&C-Strain Gages and T/C	28AUG06*	5	01SEP06	10AUG06		241	0.00		3,372.31	■ ORNLEM =20hr ;																																				
1416B-225	I&C-Rogowski Coils	05SEP06*	5	11SEP06	10AUG06		241	0.00		6,748.00	■ ORNLEM =40hr ;																																				
1416B-229	I&C-Check and Promote	01AUG06	19*	25AUG06	25AUG06		256	0.00		3,374.00	■ ORNLEM =20hr ;																																				
1416B-233	Coil-to-Coil -Current Feed Insul, Covers	04AUG06*	5	10AUG06	10AUG06		252	0.00		3,372.31	■ ORNLEM =20hr ;																																				
1416B-237	Coil-to-Coil -Windings Insul Blanket	11AUG06*	5	17AUG06	10AUG06		252	0.00		3,372.31	■ ORNLEM =20hr ;																																				
1416B-241	Coil-to-Coil -Bushing Installation	18AUG06*	5	24AUG06	10AUG06		252	0.00		3,372.31	■ ORNLEM =20hr ;																																				
1416B-245	Coil-to-Coil -Check and Promote	25AUG06	5	31AUG06	17AUG06		252	0.00		3,372.31	■ ORNLEM =20hr ;																																				

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																								
											M			J			J			A			S			O			N			D			J			F			M			A			M			J			J			A			S			O			N			D			J			F			M			A			M			J			J		
1408-541	Fabr Cladding Type B for Coil b3	14AUG06	25	18SEP06	18JUL06		233	0.00		6,032.40	[Gantt bar with blue and red] 41=\$4.4k																																																																																
1408-543	Fabr Cladding Type B for Coil b4	14AUG06	25	18SEP06	18JUL06		260	0.00		6,032.40	[Gantt bar with blue and red] 41=\$4.4k																																																																																
1408-545	Fabr Cladding Type B for Coil b5	14AUG06	25	18SEP06	18JUL06		279	0.00		6,032.40	[Gantt bar with blue and red] 41=\$4.4k																																																																																
1408-547	Fabr Cladding Type B for Coil b6	14AUG06	25	18SEP06	18JUL06		306	0.00		6,032.40	[Gantt bar with blue and red] 41=\$4.4k																																																																																
<b>Lead hardware &amp; Fillers</b>																																																																																											
1408-705	Fabr Lead HW Type C for Coil c1	01JUL05A	131*	30DEC05A	30DEC05A			93,326.22	100	93,326.22																																																																																	
1408-707	Fabr Lead HW Type C for Coil c2	01JUL05A	131*	31JAN06A	31JAN06A			24,911.70	100	24,911.70																																																																																	
1408-701	Submet Requisition for Type C3-C6 Lead HW	01AUG05A	5	05AUG05A	05AUG05A			0.00	100	0.00																																																																																	
1408-703	Bid and Award Type C3-C6 Lead HW	08AUG05A	30	02DEC05A	02DEC05A			0.00	100	0.00																																																																																	
1408-709	Fabr Lead HW Type C for Coil c3	03JAN06A	20	31JAN06A	31JAN06A			26,186.10	100	26,186.10																																																																																	
1408-711	Fabr Lead HW Type C for Coil c4	03JAN06A	20	31JAN06A	31JAN06A			26,186.10	100	26,186.10																																																																																	
1408-713	Fabr Lead HW Type C for Coil c5	03JAN06A	20	31JAN06A	31JAN06A			26,186.10	100	26,186.10																																																																																	
1408-715	Fabr Lead HW Type C for Coil c6	03JAN06A	20	31JAN06A	31JAN06A			26,186.10	100	26,186.10																																																																																	
1408-721A	Fab & Deliver Lower lead blocks (PE006621)	31MAR06A	85*	03AUG06A	20JUL06			0.00		0.00	[Gantt bar with red] M&S = \$19.1k																																																																																
1408-717	Submet Req for Type A Lead HW R403928	31MAR06A	5	31MAR06A	31MAR06A			0.00		0.00	[Gantt bar with red] M&S = \$19.1k																																																																																
1408-719	Bid and Award Type A Lead HW (PE006621 & 6646)	31MAR06A	25	14APR06A	14APR06A			0.00		0.00	[Gantt bar with red] M&S = \$19.1k																																																																																
1408-721	Fabr Lead HW Type A for Coil a1	01MAY06A	44*	30JUN06A	19MAY06			26,186.10	100	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k																																																																																
1408-723	Fabr Lead HW Type A for Coil a2	01MAY06A	67*	03AUG06	20JUN06		156	20,163.30	77	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k Copper jumpers received																																																																																
1408-725	Fabr Lead HW Type A for Coil a3	01MAY06A	67*	03AUG06	20JUN06		175	20,163.30	77	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k																																																																																
1408-727	Fabr Lead HW Type A for Coil a4	01MAY06A	67*	03AUG06	20JUN06		221	20,163.30	77	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k																																																																																
1408-729	Fabr Lead HW Type A for Coil a5	01MAY06A	67*	03AUG06	20JUN06		359	20,163.30	77	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k																																																																																
1408-731	Fabr Lead HW Type A for Coil a6	01MAY06A	67*	03AUG06	20JUN06		386	20,163.30	77	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k																																																																																
1408-733	Submet Requisition for Type B Lead HW	09JUN06A	5	09JUN06A	22MAY06			0.00		0.00	[Gantt bar with red] M&S = \$19.1k																																																																																
1408-735	Bid and Award Type B Lead HW	12JUN06A	20	23JUN06A	27JUN06			0.00		0.00	[Gantt bar with red] M&S = \$19.1k																																																																																
1408-737	Fabr Lead HW Type B for Coil b1	23JUN06A	70*	02OCT06	23AUG06		165	5,630.01	22	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k																																																																																
1408-739	Fabr Lead HW Type B for Coil b2	23JUN06A	70*	02OCT06	23AUG06		322	5,630.01	22	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k																																																																																
1408-741	Fabr Lead HW Type B for Coil b3	23JUN06A	70*	02OCT06	23AUG06		230	5,630.01	22	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k Copper jumpers received																																																																																
1408-743	Fabr Lead HW Type B for Coil b4	23JUN06A	70*	02OCT06	23AUG06		257	5,630.01	22	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k																																																																																
1408-745	Fabr Lead HW Type B for Coil b5	23JUN06A	70*	02OCT06	23AUG06		276	5,630.01	22	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k																																																																																
1408-747	Fabr Lead HW Type B for Coil b6	23JUN06A	70*	02OCT06	23AUG06		303	5,630.01	22	26,186.10	[Gantt bar with blue and red] M&S = \$19.1k																																																																																
<b>Chill Plates</b>																																																																																											
1408-605	PPPL Fabr Chill Plts Type C for Coil c1	28NOV05A	20*	22DEC05A	22DEC05A			3,838.80	100	3,838.80																																																																																	
1408-601	Submet Requisition for Type C Chill Plts	28NOV05A	5	30NOV05A	30NOV05A			0.00	100	0.00																																																																																	
1408-603	Bid and Award Type C Chill Plts	01DEC05A	30	05DEC05A	05DEC05A			0.00	100	0.00																																																																																	
1408-607	Fabr Chill Plts Type C for Coil c2	03JAN06A	20	31JAN06A	31JAN06A			3,838.80	100	3,838.80																																																																																	
1408-609	Fabr Chill Plts Type C for Coil c3	03JAN06A	20	31JAN06A	31JAN06A			3,838.80	100	3,838.80																																																																																	
1408-611	Fabr Chill Plts Type C for Coil c4	03JAN06A	20	31JAN06A	31JAN06A			3,838.80	100	3,838.80																																																																																	

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	Forecast
	zECP-50 baseline
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06			FY07					FY08																							
											M	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J						
1408-911	Fabr Clamps Type C for Coil c4	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-913	Fabr Clamps Type C for Coil c5	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-915	Fabr Clamps Type C for Coil c6	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-921	Fabr Clamps Type A for Coil a1	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-923	Fabr Clamps Type A for Coil a2	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-925	Fabr Clamps Type A for Coil a3	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-927	Fabr Clamps Type A for Coil a4	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-929	Fabr Clamps Type A for Coil a5	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-931	Fabr Clamps Type A for Coil a6	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-937	Fabr Clamps Type B for Coil b1	01MAR06A	65*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-939	Fabr Clamps Type B for Coil b2	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-941	Fabr Clamps Type B for Coil b3	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-943	Fabr Clamps Type B for Coil b4	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-945	Fabr Clamps Type B for Coil b5	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
1408-947	Fabr Clamps Type B for Coil b6	28FEB06A	66*	31MAY06A	02MAY06			20,565.00	100	20,565.00																																
<b>Other</b>																																										
1408-137	Safety & PPE equip & supplies	01MAY05A	686*	31JAN08	31JAN08		420	16,329.55	80	20,411.94																				M&S= \$ 15 k												
1408-138	Misc. Supplies	01JUL05A	643*	31JAN08	31JAN08		420	13,114.87	80	16,393.59																				M&S= \$ 12 k												
1408-173	Epoxy for Shell Mold (Hysol)	03JAN06A	520*	31JAN08	31JAN08		420	14,863.29	60	24,772.15																				M&S= \$ 18 k												
1408-183	Tubing (Chem flor and Poly)	01SEP05A	67*	31OCT05A	31OCT05A			46,373.37	100	46,373.37																																
1408-184	Vulcanizing tape, felt and RTV	03JAN06A	45	03OCT06	03JUL06		747	25,034.46	83	30,162.00																			M&S= \$ 22 k													
1408-185	Valves and Fittings	01AUG05A	66*	31OCT05A	31OCT05A			19,644.55	100	19,644.55																																
1408-186	Manifolds	01SEP05A	209	30SEP05A	30SEP05A			75,850.56	100	75,850.56																																
<b>I&amp;C</b>																																										
174-035	Modular Coil local I&C -Procurement	01AUG06	40	26SEP06	26JUN06		752	0.00		18,275.43																				41=\$13.33k												
FY05CV-21	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			33,000.00		33,000.00																																
<b>Job: 1411-MCWF Fabrication S005242-HEITZENROEDER</b>																																										
<b>Contract Oversight and Title III</b>																																										
172-031	Title III engr	24MAY04A	340*	30SEP05A	30SEP05A			76,273.90	LOE	76,273.90																																
172-031.1	Title III engr	01OCT05A	350*	01MAR07	01MAR07		648	98,449.83	LOE	167,147.43																				Heitzenroeder =640hr; Williamson = 107 hr ; travel=\$26k												
FY05CV-23	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			275,000.00		275,000.00																																
MCWF-001	EIO Project Mgt. & Reporting	29OCT04A	486*	15SEP06	15SEP06		709	846,300.00	LOE	910,000.00																				48=910 ;												
MCWF-001A	EIO Project Mgt. & Reporting AMEND #11	18SEP06	75*	29DEC06	29DEC06		709	0.00		129,250.00																				48=129.246 ;												
MCWF-001B	EIO Project Mgt. & Reporting AMEND #12	02JAN07*	76*	17APR07	17APR07		633	0.00		146,000.00																				48=146 ;												
MCWF-011	Pattern A complete	29OCT04A	126*	01APR05A	01APR05A			290,125.00	100	290,125.00																																

█ Forecast  
█ zECP-50 baseline  
█ Progress Bar  
█ Critical Activity



Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06			FY07					FY08																		
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J
MCWF-021	Pattern B complete	01DEC04A	220*	30SEP05A	30SEP05A			255,120.00	100	255,120.00																											
MCWF-031	Major Tool Tooling Complete	29OCT04A	82*	28FEB05A	28FEB05A			628,622.00	100	628,622.00																											
MCWF-041	Materials (MetalTek)	29NOV04A	282*	31AUG05A	31AUG05A			744,750.00	100	744,750.00																											
MCWF-051	C1-MTK-casting upgrade	20DEC04A	63*	31MAR05A	31MAR05A			146,248.12	100	146,248.12																											
MCWF-061	C1-MTM - machining/inspection	01APR05A	136*	30SEP05A	30SEP05A	M		159,560.00	100	159,560.00																											
C-121.1	First MCWF C-1 Delivered		0	30SEP05A	30SEP05A			0.00	100	0.00																											
MCWF-071	C1-Receive at PPPL		0	03OCT05A	03OCT05A			0.00	100	0.00																											
MCWF-081	C2-MTK-casting	01APR05A	66*	27JUN05A	27JUN05A			142,920.00	100	142,920.00																											
MCWF-091	C2-MTM - machining/inspection	28JUN05A	125*	16DEC05A	16DEC05A			169,040.00	100	169,040.00																											
MCWF-101	C2-Receive at PPPL		0	16DEC05A	16DEC05A			0.00	100	0.00																											
MCWF-141	C3-MTK-casting	12MAY05A	102*	19SEP05A	19SEP05A			142,920.00	100	142,920.00																											
MCWF-151	C3-MTM - machining/inspection	20SEP05A	108*	27FEB06A	27FEB06A			167,910.00	100	167,910.00																											
MCWF-161	C3-Receive at PPPL		0	27FEB06A	27FEB06A			43,000.00	100	43,000.00																											
MCWF-201	C4-MTK-casting	16MAY05A	122*	31OCT05A	31OCT05A			142,920.00	100	142,920.00																											
MCWF-211	C4-MTM - machining/inspection	31OCT05A	102*	27MAR06A	27MAR06A			167,910.00	100	167,910.00																											
MCWF-221	C4-Receive at PPPL		0	27MAR06A	27MAR06A			31,190.00	100	31,190.00																											
MCWF-261	C5-MTK-casting	30MAY05A	128*	30NOV05A	30NOV05A			142,920.00	100	142,920.00																											
MCWF-271	C5-MTM - machining/inspection	01DEC05A	101*	28APR06A	28APR06A			167,910.00	100	167,910.00																											
MCWF-281	C5-Receive at PPPL		0	28APR06A	28APR06A			34,480.00	100	34,480.00																											
MCWF-111	A1-MTK-casting	22APR05A	116*	08SEP05A	08SEP05A			142,710.00	100	142,710.00																											
MCWF-121	A1-MTM - machining/inspection	09SEP05A	108*	01JUN06A	26MAY06			167,910.00	100	167,910.00																											
MCWF-131	A1-Receive at PPPL		0	05JUN06A	02JUN06*			29,880.00	100	29,880.00																											
MCWF-171	A2-MTK-casting	17AUG05A	91*	23DEC05A	23DEC05A			142,710.00	100	142,710.00																											
MCWF-181	A2-MTM - machining/inspection	14NOV05A	156*	30JUN06A	13JUL06			167,910.00	100	167,910.00																											
MCWF-191	A2-Receive at PPPL		0	30JUN06A	13JUL06*			25,270.00	100	25,270.00																											
MCWF-351	A3-MTK-casting	26SEP05A	84*	31JAN06A	31JAN06A			142,710.00	100	142,710.00																											
MCWF-361	A3-MTM - machining/inspection	01MAR06A	107*	27JUL06A	16AUG06			167,910.00	100	167,910.00																											
MCWF-371	A3-Receive at PPPL		0	28JUL06A	16AUG06*			20,410.00	100	20,410.00																											
MCWF-231	B1-MTK-casting	16SEP05A	110*	28FEB06A	28FEB06A			142,710.00	100	142,710.00																											
MCWF-241	B1-MTM - machining/inspection	01MAR06A	140*	15SEP06	20SEP06		163	75,559.50	45	167,910.00																											
MCWF-251	B1-Receive at PPPL		0	18SEP06	20SEP06*		163	0.00		14,660.00																											
MCWF-381	A4-MTK-casting	15DEC05A	71*	14MAR06A	14MAR06A			142,920.00	100	142,920.00																											
MCWF-391	A4-MTM - machining/inspection	14MAR06A	166*	03NOV06	24OCT06		148	67,164.00	40	167,910.00																											
MCWF-401	A4-Receive at PPPL		0	06NOV06	27OCT06*		148	0.00		9,730.00																											
MCWF-321	B2-MTK-casting	31JAN06A	64*	28APR06A	28APR06A			142,710.00	100	142,710.00																											
MCWF-331	B2-MTM - machining/inspection	28APR06A	111*	04OCT06	29NOV06		197	25,186.50	15	167,910.00																											
MCWF-341	B2-Receive at PPPL		0	05OCT06	29NOV06*		197	0.00		159,450.00																											

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Forecast  
 zECP-50 baseline  
 Progress Bar  
 Critical Activity



Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
											M J J A S O N D J F M A M J J A S O N D J F M A M J J J												M J J A S O N D J F M A M J J J												M J J A S O N D J F M A M J J J																																																																																			
MCWF-471	B3-MTK-casting	13FEB06A	65*	12MAY06A	01MAY06			142,920.00	100	142,920.00	+2.11k heat treatment ecp34																																																																																																											
MCWF-481	B3-MTM - machining/inspection	18MAY06A	137*	01DEC06	11JAN07		176	13,432.80	8	167,910.00	-40=167.91 ;																																																																																																											
MCWF-491	B3-Receive at PPPL		0	04DEC06	11JAN07*		176	0.00		21,780.00	-40=21.78																																																																																																											
MCWF-501	B4-MTK-casting	28MAR06A	39*	25MAY06A	19MAY06			142,920.00	100	142,920.00	+2.11k heat treatment ecp34																																																																																																											
MCWF-511	B4-MTM - machining/inspection	26MAY06A	147*	02JAN07	14FEB07		187	3,358.20	2	167,910.00	-40=167.91 ;																																																																																																											
MCWF-521	B4-Receive at PPPL		0	03JAN07	14FEB07*		187	0.00		0.00																																																																																																												
MCWF-531	B5-MTK-casting	13APR06A	56*	30JUN06A	09JUN06			142,920.00	100	142,920.00	+2.11k heat treatment ecp34																																																																																																											
MCWF-541	B5-MTM - machining/inspection	31JUL06A	134*	02FEB07	20MAR07		183	1,679.10	1	167,910.00	-40=167.91 ;																																																																																																											
MCWF-551	B5-Receive at PPPL		0	05FEB07	20MAR07*		183	0.00		0.00																																																																																																												
MCWF-561	B6-MTK-casting	28APR06A	45*	30JUN06A	29JUN06			142,920.00	100	142,920.00	+2.11k heat treatment ecp34																																																																																																											
MCWF-571	B6-MTM - machining/inspection	31JUL06A	145*	01MAR07	23APR07		191	1,679.10	1	167,910.00	-40=167.91 ;																																																																																																											
MCWF-581	B6-Receive at PPPL		0	02MAR07	26APR07*		191	0.00		0.00																																																																																																												
MCWF-411	A5-MTK-casting	13JAN06A	45*	29MAR06A	29MAR06A			142,920.00	100	142,920.00																																																																																																												
MCWF-421	A5-MTM - machining/inspection	01MAY06A	230*	02APR07	25MAY07		188	3,358.20	2	167,910.00	-40=167.91 ;																																																																																																											
MCWF-431	A5-Receive at PPPL		0	03APR07	25MAY07*		188	0.00		0.00																																																																																																												
MCWF-441	A6-MTK-casting	31JAN06A	64*	20APR06A	20APR06A			142,710.00	100	142,710.00																																																																																																												
MCWF-451	A6-MTM - machining/inspection	01MAY06A	251*	01MAY07	29JUN07		194	3,100.00	2	155,000.00	-40=155 ;																																																																																																											
MCWF-461	A6-Receive at PPPL		0	02MAY07	29JUN07*		194	0.00		0.00																																																																																																												
MCWF-291	C6-MTK-casting	16JUN05A	155*	03FEB06A	03FEB06A			142,920.00	100	142,920.00																																																																																																												
MCWF-301	C6-MTM - machining/inspection	03APR06A	293*	01JUN07	03AUG07		191	33,582.00	20	167,910.00	-40=167.91 ;																																																																																																											
MCWF-311	C6-Receive at PPPL		0	04JUN07	03AUG07*		191	0.00		0.00																																																																																																												
C-501B1	Last MCWF Delivered		0	04JUN07	03AUG07		582	0.00		0.00	<p>LAST MODULAR COIL WINDING FORM LEVEL 2 DOE MILESTONE SEPTEMBER 2007</p>																																																																																																											

**Job: 1451 - Mod Coil Winding-CHRZANOWSKI**

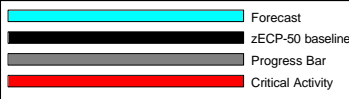
**Station 1 Prep casing & Install Cladding**

C1RW	C1 rework	03OCT05A	5	07OCT05A	07OCT05A	1		46,461.00	100	46,461.00																																				
C2RW	type C h/w rework	03APR06A	108*	01SEP06	29JUN06	1	768	44,612.83	83	53,750.40	em//tb=660																																			
1451TRAIN	Training for winding teams	25JUL05A	3	29JUL05A	29JUL05A			0.00	100	0.00																																				
P1-001	Rec C1, Prep& Instl Cladding>>@125% 1 shift	10OCT05A	23	24OCT05A	24OCT05A	1		54,727.68	100	54,727.68																																				
P1-091	Receive C2, Prep& Instl Cladding	19DEC05A	26*	26JAN06A	26JAN06A	1		44,303.36	100	44,303.36																																				
P2-091	Receive C3, Prep& Instl Cladding	03MAR06A	16	31MAR06A	31MAR06A	1		44,303.36	100	44,303.36																																				
P3-091	Receive C4, Prep& Instl Cladding	28MAR06A	46*	10MAY06A	10MAY06	1		40,720.00	100	40,720.00	EM//TB = 500hrs																																			
P1-121	Receive C5, Prep& Instl Cladding	22MAY06A	29*	23JUN06A	12JUN06	1		40,720.00	100	40,720.00	EM//TB = 500 hrs																																			
P2-001	Receive A1, Prep& Instl Cladding	19JUN06A	37*	09AUG06	27JUL06	1	129	31,305.54	62	50,492.80	EM//TB = 620hrs																																			
P3-001	Receive A2, Prep& Instl Cladding	24AUG06*	12	11SEP06	07SEP06	2	134	0.00		40,720.00	EM//TB = 500 hrs																																			
P3-031	Receive A3, Prep& Instl Cladding	22SEP06	11	06OCT06	04OCT06	2	134	0.00		41,124.55	EM//TB = 500 hrs																																			



Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days=1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08											
											M J J A S O N D J F M A M J J A S O N D J F M A M J J A												M J J A S O N D J F M A M J J A												M J J A S O N D J F M A M J J A											
P3-101	Wind coil C4	11MAY06A	38*	06JUL06A	28JUN06	2		99,519.68	100	99,519.68	EM//TB = 1,222 hrs																																			
P3-110	Instl Chill Plates,Tubing, Bag C4	06JUL06A	25*	09AUG06	20JUL06	2	129	42,299.12	87	48,619.68	EM//TB = 597 hrs																																			
P2-011	Wind coil A1	10AUG06	31	22SEP06	11SEP06	2	129	0.00		103,021.60	EM//TB = 1,265 hrs																																			
P2-020	Instl Chill Plates,Tubing, Bag A1	25SEP06	15	13OCT06	02OCT06	2	129	0.00		49,328.12	EM//TB = 597 hrs																																			
P3-041	Wind coil A3	16OCT06	31	29NOV06	16NOV06	2	129	0.00		105,273.30	EM//TB = 1,265 hrs																																			
P3-050	Instl Chl Plates,Tubing, Bag A3	30NOV06	15	20DEC06	11DEC06	2	129	0.00		49,682.34	EM//TB = 597 hrs																																			
P3-131	Wind coil A4	21DEC06	31	09FEB07	31JAN07	2	129	0.00		101,195.52	EM//TB = 1,216 hrs																																			
P3-140	Instl Chl Plates,Tubing, Bag A4	12FEB07	15	02MAR07	21FEB07	2	129	0.00		35,618.16	EM//TB = 428 hrs																																			
P2-071	Wind coil B3	05MAR07	31	16APR07	05APR07	2	129	0.00		101,195.52	EM//TB = 1216 hrs																																			
P2-080	Instl Chill Plates,Tubing,Bag B3	17APR07	15	07MAY07	26APR07	2	129	0.00		35,618.16	EM//TB = 428hrs																																			
P3-071	Wind coil B5	08MAY07	31	20JUN07	11JUN07	2	129	0.00		101,195.52	EM//TB = 1216 hrs																																			
P3-080	Instl Chill Plates,Tubing,Bag B5	21JUN07	15	12JUL07	02JUL07	2	129	0.00		35,618.16	EM//TB = 428hrs																																			
P2-131	Wind coil A5	13JUL07	31	24AUG07	15AUG07	2	129	0.00		101,195.52	EM//TB = 1,216 hrs																																			
P2-140	Instl Chl Plates,Tubing, Bag A5	27AUG07	15	17SEP07	06SEP07	2	129	0.00		35,618.16	EM//TB = 428 hrs																																			
P2-041	Wind coil C6	18SEP07	31	30OCT07	19OCT07	2	129	0.00		103,128.57	EM//TB = 1216 hrs																																			
P2-050	Instl Chl Plates,Tubing, Bag C6	31OCT07	15	20NOV07	09NOV07	2	129	0.00		36,576.88	EM//TB = 428hrs																																			
<b>Station 5-VPI</b>																																														
P1-021V	VPI (Station 5) C1	06MAR06A	6*	13MAR06A	13MAR06A	2		26,712.32	100	26,712.32																																				
P1-111V	VPI (Station 5) C2	22MAY06A	4*	31MAY06A	06JUN06	2		24,024.80	100	24,024.80	EM//TB = 295hrs																																			
P1-111VCU	Cleanup and Ready Autoclave	03JUN06A	8	30JUN06A	16JUN06	1		13,030.40	100	13,030.40	em//tb=160																																			
P2-111V	VPI (Station 5) C3	24JUL06A	8	31JUL06A	27JUN06	2		24,024.80	100	24,024.80	EM//TB = 295 hrs																																			
P2-111VCU	Cleanup and Ready Autoclave	01AUG06*	4*	04AUG06	10JUL06	1	147	0.00		13,030.40	em//tb=160																																			
P3-111V	VPI (Station 5) C4	10AUG06*	12*	25AUG06	09AUG06	2	144	0.00		24,024.80	EM//TB = 295 hrs																																			
P3-111VCU	Cleanup and Ready Autoclave	28AUG06	8	07SEP06	21AUG06	1	172	0.00		13,030.40	em//tb=160																																			
P1-141V	VPI (Station 5) C5	08SEP06	7	18SEP06	30AUG06	2	172	0.00		24,024.80	EM//TB = 295 hrs																																			
P1-141VCU	Cleanup and Ready Autoclave	19SEP06	8	28SEP06	12SEP06	1	172	0.00		13,030.40	em//tb=160																																			
P2-021V	VPI (Station 5) A1	16OCT06	7	24OCT06	11OCT06	2	161	0.00		24,549.90	EM//TB = 295 hrs																																			
P2-021VCU	Cleanup and Ready Autoclave	25OCT06	8	03NOV06	23OCT06	1	161	0.00		13,315.20	em//tb=160																																			
P3-021V	VPI (Station 5) A2	15NOV06	7	27NOV06	21NOV06	2	154	0.00		24,549.90	EM//TB = 295 hrs																																			
P3-021VCU	Cleanup and Ready Autoclave	28NOV06	8	07DEC06	05DEC06	1	158	0.00		13,315.20	em//tb=160																																			
P3-051V	VPI (Station 5) A3	21DEC06	7	08JAN07	20DEC06	2	149	0.00		13,648.08	EM//TB = 164 hrs																																			
P3-051VCU	Cleanup and Ready Autoclave	09JAN07	8	18JAN07	09JAN07	1	161	0.00		13,648.08	EM//TB = 164 hrs																																			
P1-051V	VPI (Station 5) B1	30JAN07	7	07FEB07	05FEB07	2	154	0.00		13,648.08	EM//TB = 164 hrs																																			
P1-051VCU	Cleanup and Ready Autoclave	08FEB07	8	19FEB07	15FEB07	1	170	0.00		13,648.08	EM//TB = 164 hrs																																			
P3-141V	VPI (Station 5) A4	05MAR07	7	13MAR07	02MAR07	2	161	0.00		13,648.08	EM//TB = 164 hrs																																			
P3-141VCU	Cleanup and Ready Autoclave	14MAR07	12	29MAR07	20MAR07	1	161	0.00		13,648.08	EM//TB = 164 hrs																																			
P2-141V	VPI (Station 5) B2	04APR07	7	12APR07	10APR07	2	158	0.00		13,648.08	EM//TB = 164 hrs																																			

Run Date 16AUG06 10:13



**ECP-50 STATUS THROUGH JULY 31,2006**

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																											
											M			J			J			A			S			O			N			D			J			F			M			A			M			J			J			A			S			O			N			D			J			F			M			A			M			J			J			J		
											EM//TB = 164 hrs																																																																																			
P2-141VCU	Cleanup and Ready Autoclave	13APR07	12	30APR07	26APR07	1	158	0.00		13,648.08	EM//TB = 164 hrs																																																																																			
P2-081V	VPI (Station 5) B3	08MAY07	7	16MAY07	07MAY07	2	153	0.00		13,648.08	EM//TB = 164 hrs																																																																																			
P2-081VCU	Cleanup and Ready Autoclave	17MAY07	12	04JUN07	23MAY07	1	153	0.00		13,648.08	EM//TB = 164 hrs																																																																																			
P3-081V	VPI (Station 5) B4	08JUN07	7	18JUN07	14JUN07	2	150	0.00		13,648.08	EM//TB = 164 hrs																																																																																			
P3-081VCU	Cleanup and Ready Autoclave	19JUN07	12	05JUL07	02JUL07	1	150	0.00		13,648.08	EM//TB = 164 hrs																																																																																			
P2-171V	VPI (Station 5) B5	13JUL07	7	23JUL07	12JUL07	2	145	0.00		13,648.08	EM//TB = 164 hrs																																																																																			
P2-171VCU	Cleanup and Ready Autoclave	24JUL07	12	08AUG07	30JUL07	1	145	0.00		13,648.08	EM//TB = 164 hrs																																																																																			
P3-171V	VPI (Station 5) B6	14AUG07	7	22AUG07	20AUG07	2	142	0.00		13,648.08	EM//TB = 164 hrs																																																																																			
P3-171VCU	Cleanup and Ready Autoclave	23AUG07	12	10SEP07	06SEP07	1	142	0.00		13,648.08	EM//TB = 164 hrs																																																																																			
P1-081V	VPI (Station 5) A5	18SEP07	7	26SEP07	17SEP07	2	137	0.00		13,648.08	EM//TB = 164 hrs																																																																																			
P1-081VCU	Cleanup and Ready Autoclave	27SEP07	12	12OCT07	03OCT07	1	137	0.00		13,954.21	EM//TB = 164 hrs																																																																																			
P1-171V	VPI (Station 5) A6	18OCT07	7	26OCT07	24OCT07	2	134	0.00		14,015.44	EM//TB = 164 hrs																																																																																			
P1-171VCU	Cleanup and Ready Autoclave	29OCT07	12	13NOV07	09NOV07	1	134	0.00		14,015.44	EM//TB = 164 hrs																																																																																			
P2-051V	VPI (Station 5) C6	21NOV07	7	03DEC07	20NOV07	2	129	0.00		14,015.44	EM//TB = 164 hrs																																																																																			
P2-051VCU	Cleanup and Ready Autoclave	04DEC07	12	19DEC07	10DEC07	1	444	0.00		14,015.44	EM//TB = 164 hrs																																																																																			
<b>Station 1B Final Clamp Installation</b>																																																																																														
P1-021C	Final Clamps & Warm Test (Station1) C1	14MAR06A	5*	28MAR06A	28MAR06A	1		12,378.88	100		12,378.88																																																																																			
P1-021.1	Complete First Mod Coil Fabrication C1		0	28MAR06A	28MAR06A	1				0.00																																																																																				
P1-111C	Final Clamps & Warm Test (Station1) C2	01JUN06A	59*	23AUG06	22JUN06	1	134	3,648.51	28		13,030.40	EM//TB = 160hrs																																																																																		
P2-111C	Final Clamps & Warm Test (Station1) C3	09AUG06*	6*	16AUG06	08AUG06	1	185	0.00			13,030.40	EM//TB = 160 hrs																																																																																		
P3-111C	Final Clamps & Warm Test (Station1) C4	12SEP06	8	21SEP06	19SEP06	1	134	0.00			13,030.40	EM//TB = 160 hrs																																																																																		
P1-141C	Final Clamps & Warm Test (Station1) C5	25OCT06	8	03NOV06	01NOV06	1	149	0.00			13,315.20	EM//TB = 160 hrs																																																																																		
P2-021C	Final Clamps & Warm Test (Station1) A1	22NOV06	8	05DEC06	30NOV06	1	148	0.00			13,315.20	EM//TB = 160 hrs																																																																																		
P3-021C	Final Clamps & Warm Test (Station1) A2	06DEC06	8	15DEC06	12DEC06	1	148	0.00			13,315.20	EM//TB = 160 hrs																																																																																		
P3-051C	Final Clamps & Warm Test (Station1) A3	10JAN07	8	19JAN07	16JAN07	1	148	0.00			9,986.40	EM//TB = 120 hrs																																																																																		
P1-051C	Final Clamps & Warm Test (Station1) B1	08FEB07	8	19FEB07	15FEB07	1	154	0.00			9,986.40	EM//TB = 120 hrs																																																																																		
P3-141C	Final Clamps & Warm Test (Station1) A4	14MAR07	8	23MAR07	14MAR07	1	259	0.00			9,986.40	EM//TB = 120 hrs																																																																																		
P2-141C	Final Clamps & Warm Test (Station1) B2	13APR07	8	24APR07	20APR07	1	180	0.00			9,986.40	EM//TB = 120 hrs																																																																																		
P2-081C	Final Clamps & Warm Test (Station1) B3	17MAY07	8	29MAY07	17MAY07	1	193	0.00			9,986.40	EM//TB = 120 hrs																																																																																		
P3-081C	Final Clamps & Warm Test (Station1) B4	19JUN07	8	28JUN07	26JUN07	1	191	0.00			9,986.40	EM//TB = 120 hrs																																																																																		
P3-171C	Final Clamps & Warm Test (Station1) B5	24JUL07	8	02AUG07	24JUL07	1	201	0.00			9,986.40	EM//TB = 120 hrs																																																																																		
P2-171C	Final Clamps & Warm Test (Station1) B6	23AUG07	9	05SEP07	30AUG07	1	198	0.00			9,986.40	EM//TB = 120 hrs																																																																																		
P1-081C	Final Clamps & Warm Test (Station1) A5	27SEP07	8	08OCT07	27SEP07	1	148	0.00			10,188.00	EM//TB = 120 hrs																																																																																		
P1-171C	Final Clamps & Warm Test (Station1) A6	29OCT07	8	07NOV07	05NOV07	1	153	0.00			10,255.20	EM//TB = 120 hrs																																																																																		
P2-051C	Final Clamps & Warm Test (Station1) C6	04DEC07	8	13DEC07	04DEC07	1	129	0.00			10,255.20	EM//TB = 120 hrs																																																																																		

**Run Date** 16AUG06 10:13

Forecast  
 zECP-50 baseline  
 Progress Bar  
 Critical Activity

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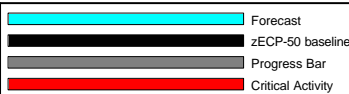
0607

**NCSX  
ECP-50 STATUS  
THROUGH JULY 31,2006**

Sheet 24 of 53

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06 FY07 FY08															
											FY06					FY07					FY08					
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
<b>LOE Oversight &amp; Supervision</b>																										
171-000	Winding Preparations (LOE) FY05	01AUG05A	49*	30SEP05A	30SEP05A			53,382.29		53,382.29																
171-040	Winding Oversight (LOE)	10OCT05A	534*	26NOV07	26NOV07		459	258,143.44	LOE	686,551.71	EA//EM Chrzanowski @ 70% EA//EM Raftopolous @ 40%															
171-041	Tech Supervision	10OCT05A	534*	26NOV07	26NOV07		459	120,725.11	LOE	321,077.43	EM//SM (Meighan) @ 70%															
SSD-ST2	Second shift cost differential	25OCT05A	523*	26NOV07	26NOV07		459	17,642.49	LOE	77,500.00																
SSD-ST3	Second shift cost differential	27JAN06A	463*	26NOV07	26NOV07		459	15,379.69	LOE	77,500.00																
SSD-ST4	Planned overtime (due to 10hr 1st shift)	03APR06A	417*	26NOV07	26NOV07		459	24,312.96	LOE	120,960.00																
SSD-ST4.1	Unplanned overtime and rework	03APR06A	417*	26NOV07	26NOV07		459	24,312.96	LOE	120,960.00																
SSD-ST5	Misc tech shop support	01MAY06A	397*	26NOV07	26NOV07		459	30,457.21	LOE	189,175.22	em//tb=2280															
TITLE3W	Titel III Design ORNL- Component Fab & WINDING	10OCT05A	534*	26NOV07	26NOV07		459	73,868.85	LOE	196,459.69	WILLIAMSON=908 (20% ornl travel=\$24k															
FY05CV-25	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			81,000.00		81,000.00																
<b>Job: 1421-Mod Coil Interface Design-WILLIAMSON</b>																										
<b>Coil-to-coil Interface Design</b>																										
1403-11.1	Describe interfaces as part of coil FDR's	01NOV04A	490*	22DEC06	07AUG06		691	35,505.37	90	39,512.55	ornlem=243															
1403-16	Assembly bolts, nuts,washers	01OCT04A	515*	22DEC06	15SEP06		92	16,209.13	70	21,269.79	ornl=131															
1403-17	Assembly shims	01OCT04A	351*	22DEC06	15SEP06		85	20,007.84	70	27,262.85	ornl=171															
1403-18	Eccentric ball assembly	08NOV04A	490*	22DEC06	15SEP06		691	22,576.98	60	34,345.71	ornl=211															
1403-19	Top assembly dwgs for mod coil shell	01OCT04A	351*	22DEC06	15SEP06		691	24,089.30	60	37,466.50	ornl=235															
1403-19A	Bladder Details	01JUL05A	165*	22DEC06	15SEP06		92	9,057.49	20	29,432.59	ornl=179															
1403-20	3 coil assembly specification	02JAN07*	40	26FEB07	27NOV06		186	0.00		27,504.00	ornl=160															
1421-10	add'l analysis of coil to coil joints/friction	01MAY06A	123*	22DEC06	31MAY06		691	2,723.54	20	13,617.70	ornl=80															
1421-15	develop design fix for issue	02OCT06*	58*	22DEC06	30JUN06		691	2,724.80	20	13,624.00	ornl=80															
1421-20	rework type A,B,C design as req'd	02OCT06*	58*	22DEC06	14JUL06		691	0.00		13,752.00	ornl=80															
1421-25	detailed design of add'l hardware	02OCT06*	58*	22DEC06	15AUG06		691	0.00		13,752.00	ornl=80															
1421-30	check and promote 6 coil dwgs	02OCT06*	58*	22DEC06	25SEP06		691	0.00		27,504.00	ornl=160															
FY06CV-111	ECP45 FY06 cv	01OCT05A	251*	30MAR06A	30MAR06A			-89,310.00	100	-89,310.00																
<b>Job: 1431 - Mod. Coil Interface Hardware-DUDEK</b>																										
1421-100	Submet Requisition for - Assy bolts,nuts,washers	02JAN07*	10	15JAN07	29SEP06		92	0.00		2,750.40	williamson=16 hrs															
1421-105	Procurement lead time for-Assy bolts,nuts,washer	16JAN07	40	12MAR07	28NOV06		92	0.00		0.00																
1421-110	Deliver - Assy bolts,nuts,washers	13MAR07	84	10JUL07	03APR07		92	0.00		449,000.00	m&s=\$449k															
1421-200	Submet Requisition for - Assembly shims	02JAN07*	10	15JAN07	29SEP06		85	0.00		2,750.40	williamson=16 hrs															
1421-205	Procurement lead time for - Assembly shims	16JAN07	47	21MAR07	28NOV06		85	0.00		0.00																
1421-210	Deliver - Assembly shims	22MAR07	84	19JUL07	03APR07		85	0.00		138,000.00	m&s=\$138k															
1421-400	Submet Requisition for - Bladders	02JAN07*	10	15JAN07	29SEP06		92	0.00		2,750.40	williamson=16 hrs															
1421-405	Procurement lead time for - Bladders	16JAN07	40	12MAR07	28NOV06		92	0.00		0.00																

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**ECP-50 STATUS THROUGH JULY 31,2006**



Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
1421-410	Deliver - Bladders	13MAR07	84	10JUL07	03APR07		92	0.00		60,000.00													m&s=\$60k																																															
1421-411	Deliver hardware for inboard joint fricton	13MAR07	84	10JUL07	03APR07		557	0.00		52,000.00													m&s=\$52k																																															
<b>15 - Structures</b>																																																																						
<b>Job: 1501 - Structures Design- DAHLGREN</b>																																																																						
<b>PDR/PBR Task List</b>																																																																						
1501-105	Project PDR	07OCT03A	1	07OCT03A	07OCT03A			0.00	100	0.00																																																												
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A	31OCT03A			12,360.00	100	12,360.00																																																												
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A	18NOV03A			6,180.00	100	6,180.00																																																												
1501-117	Performance baseline review		0	18NOV03A	18NOV03A			0.00	100	0.00																																																												
<b>Reqmnts, Configuration, Interfaces and PDR</b>																																																																						
1501-125	Update drawings & models based on vendor recomm	21OCT03A	30	26NOV03A	26NOV03A			10,660.50	100	10,660.50																																																												
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	30SEP04A	30SEP04A			5,407.50	LOE	5,407.50																																																												
1501-001	Prelim Design Structures	01JUL05A	110*	30SEP05A	30SEP05A			45,443.75	100	45,443.75																																																												
1501-201	Write ICD's	01AUG06*	6*	08AUG06	07AUG06		158	0.00		2,610.90													Dahlgren= 15																																															
1501-205	Update Design/models	01MAY06A	97*	15SEP06	28AUG06		158	7,791.62		10,791.72													;Rushinski = 62																																															
1501-209	Prepare SRD	03JUL06A	69*	09OCT06	05SEP06		733	1,525.92	25	6,103.67													Dahlgren= 35																																															
1501-213	Approve ICD's	09AUG06	48*	16OCT06	05SEP06		738	0.00		6,472.44													Dahlgren= 37																																															
1501-217	Update stress analysis	18SEP06	15*	06OCT06	19SEP06		744	0.00		12,272.87													;Dahlgren=70																																															
1501-221	approve SRD	10OCT06	10	23OCT06	19SEP06		733	0.00		0.00													-																																															
1501-225	Write prelim purchase spec	23OCT06	8	01NOV06	19SEP06		144	0.00		6,225.10													- Dahlgren= 35																																															
1501-229	Create Prelim Assemblies	03JUL06A	5	31JUL06A	05SEP06			6,092.10	100	6,092.10													Dahlgren= 10 ;Rushinski =25																																															
1501-233	PDR Preparation	06OCT06*	11*	20OCT06	26SEP06		144	0.00		6,225.10													- Dahlgren= 25 ;Rushinski =10 ;																																															
1501-PDR	PDR		0	20OCT06	26SEP06		144	0.00		0.00													▼																																															
1501-241	Write final purchase spec	02NOV06*	10	15NOV06	13OCT06		144	0.00		5,335.80													- Dahlgren= 30																																															
1501-246	Update Models	23OCT06*	14*	09NOV06	13OCT06		144	0.00		9,782.30													- Dahlgren= 15 ;Rushinski =40																																															
1501-249	Update Analysis	10NOV06	10*	27NOV06	03NOV06		144	0.00		12,450.20													- ;Dahlgren=70																																															
1501-253	Prep Final Drawings	10NOV06	11*	28NOV06	28NOV06		147	0.00		16,007.40													- Dahlgren= 30 ;Rushinski =60																																															
1501-257	Detailed Hardware Analysis	10NOV06	10	27NOV06	27OCT06		144	0.00		3,557.20													- Dahlgren= 20																																															
1501-261	Write Statement of work	16NOV06	10	01DEC06	27OCT06		144	0.00		3,557.20													- Dahlgren= 20																																															
1501-265	Approve Purchase Spec	16NOV06	10	01DEC06	27OCT06		154	0.00		3,557.20													- Dahlgren= 20																																															
1501-269	Check Analysis	28NOV06	14*	15DEC06	17NOV06		144	0.00		11,560.90													- Dahlgren=65																																															
1501-273	Approve SOW	04DEC06	10	15DEC06	10NOV06		144	0.00		0.00													-																																															
1501-277	Prep Assy Dwgs	29NOV06	10	12DEC06	12DEC06		147	0.00		7,114.40													;Rushinski =40																																															
1501-281	Prep for FDR	18DEC06	15*	15JAN07	19DEC06		144	0.00		5,335.80													+ Dahlgren= 30																																															
1501-FDR	FDR		0	15JAN07	19DEC06		144	0.00		0.00													▼																																															
FY06CV-113	ECP45 FY06 cv	01OCT05A	251*	30MAR06A	30MAR06A			2,350.00	100	2,350.00																																																												

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**NCSX  
ECP-50 STATUS  
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	Gantt Chart															
											FY06					FY07					FY08					
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A
<b>Job:1550 - Structures Procurement -DAHLGREN</b>																										
1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	16JAN07	43	15MAR07	26FEB07		144	0.00		0.00																
162-036.9	Award Coil Support Structure		0	15MAR07*	26FEB07*		144	0.00		0.00																
162-037	Award Coil suprt & base struct as one Procurement	16MAR07	249	14MAR08	26FEB08		144	0.00		1,010,619.92																
162-031	Title III engr WBS 151	16MAR07	249	14MAR08	26FEB08		389	0.00		155,709.11	Kalish=720;ea//dm=218; 															
153.037	WBS 153 Support Structure I&C Procurement/Fab	16MAR07*	249	14MAR08	26FEB08		389	0.00		9,126.43																
153.015	Title III design WBS 153 local&C	16MAR07*	249	14MAR08	26FEB08		389	0.00		1,060.55																
<b>16 - Coil Services</b>																										
<b>Job: 1601 - Coil Services Design-WILLIAMSON</b>																										
<b>161 - LN2 Distribution</b>																										
191-001	Title I design WBS 161 LN2 manifolds&pipng	02OCT06*	65	10JAN07	10JAN07		294	0.00		57,375.70																
191-011	Title II design WBS 161 LN2 manifolds&pipng	11JAN07	60	04APR07	04APR07		294	0.00		114,923.30																
191-031	Title III engr WBS 161	05APR07	280	16MAY08	16MAY08		344	0.00		16,567.82																
191-037	Procurement WBS 161	05APR07	130	08OCT07	08OCT07		294	0.00		72,677.54																
191-038	PDR#17	09OCT07*	86	18FEB08	18FEB08		408	0.00		62,325.80																
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	09OCT07*	62	15JAN08	15JAN08		294	0.00		33,821.56	EM//SM =71hr ; EM//TB =284hr ; 															
191-042	PDR #17,25,3	09OCT07*	65	18JAN08	18JAN08		429	0.00		10,785.36	EM//SM =23hr ; EM//TB =90hr ; 															
<b>162 - Electrical Leads</b>																										
132-000	PDR #17 & 25	02OCT06	325	25JAN08	25JAN08		424	0.00		41,396.19																
132-001	Title I design WBS 162 Coil leads	02OCT06*	130	11APR07	11APR07		291	0.00		153,159.10																
132-011	Title II design WBS 162 Coil leads	12APR07	130	15OCT07	15OCT07		291	0.00		153,686.42																
132-015	Title III design WBS 162 Coil leads	16OCT07*	60	18JAN08	18JAN08		429	0.00		18,618.16	ORNLEM =98; em//sm=8 															
132-037	Coil Leads Procurement WBS 162	16OCT07*	60	18JAN08	18JAN08		291	0.00		314,186.10																
<b>163 - Coil Protection System</b>																										
163.001	Title I design WBS 163 Coil protection	02OCT06*	65	10JAN07	10JAN07		644	0.00		42,744.60																
163.011	Title II design WBS 163 Coil protection	11JAN07	40	07MAR07	07MAR07		644	0.00		42,744.60																
FY06CV-114	ECP45 FY06 cv	01OCT05A	251*	30MAR06A	30MAR06A			2,790.00	100	2,790.00																
<b>17 - Cryostat and Base Support Structure</b>																										
<b>Job:1701-Cryost&amp;Base Sprt Strct Dsn-GETTLFINGER</b>																										
<b>+ Prior Costs</b>																										
		01APR03A	842	31JUL06A	30SEP05A			239,180.00		239,180.00																
<b>Base Support</b>																										
161-001	Revise Preliminary Design for new supt locations	03APR06A	86*	30OCT06	30JUN06		137	49,528.87	90	55,032.08																
151-003	Base Support Struct PDR		0	30OCT06*	30JUN06*		137	0.00		0.00																
161-011	Final Design Base Support Structure WBS 172	31OCT06	45	11JAN07	05SEP06		137	0.00		66,050.80																
172-199	Base Support Structure FDR		0	11JAN07	05SEP06		137	0.00		0.00																

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Forecast  
 zECP-50 baseline  
 Progress Bar  
 Critical Activity

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**NCSX**  
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
											Gantt Chart Area																																																																																																											
<b>Cryostat</b>																																																																																																																						
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A	31MAR04A			6,000.00	100	6,000.00																																																																																																												
151-001	Title I design WBS 171 cryostat	01APR04A	270*	29APR05A	29APR05A			125,850.61	100	125,850.61																																																																																																												
151-002	Cryostat PDR		0	29APR05A	29APR05A			0.00	100	0.00																																																																																																												
171-100	Investigate Alt Cryostat Architecture	01DEC05A	38*	31JAN06A	31JAN06A			0.00	100	0.00																																																																																																												
171-101	Finalize cryostat penetrations for VV	03JAN06A	0*	31JAN06A	31JAN06A			0.00	100	0.00																																																																																																												
171-102	Select gas-filled insulation-all svcs	03JAN06A	151*	31OCT06			181	0.00	95	0.00													UNFUNDED EAC= gettelfinger 16																																																																																															
171-103	Finalize cryo midplane arch	03JAN06A	20*	31JAN06A	31JAN06A			0.00	100	0.00																																																																																																												
171-104	Plan WBS 16 interface	22FEB06A	115*	31OCT06			181	0.00	5	0.00													UNFUNDED EAC= gettelfinger 16, messineo 80																																																																																															
151-011	Final Design Cryostat WBS 171	12JAN07*	141*	31JUL07	22JUN07			137	0.00	243,232.28													Gettelfinger =976hr ;Messineo =5																																																																																															
171-199	Cryostat FDR		0	31JUL07	22JUN07			137	0.00	0.00																																																																																																												
<b>Job: 1751 - Cryostat Procurement</b>																																																																																																																						
<b>171 - Cryostat</b>																																																																																																																						
151-031	Title III engr	01AUG07	405	19MAR09	11FEB09		137	0.00		33,464.94													Gettelfinger =34hr ; messineo=200																																																																																															
151-036.8	Prep Spec, Solicit bids, and Select Vendor	01AUG07	65	31OCT07	25SEP07		137	0.00		0.00																																																																																																												
151-036.9	Award Cryostat Procurement		0	31OCT07*	01OCT07*		208	0.00		0.00																																																																																																												
151-037	Cryostat Procurement [A/1]	01NOV07	141	29MAY08	28APR08		208	0.00		507,236.35													41=358.47\$sk ; 35=02\$sk																																																																																															
<b>Job: 1752 - Base Support Structure Procurement</b>																																																																																																																						
<b>172 - Base Support Structure</b>																																																																																																																						
161-031	Title III engr WBS 172	12JAN07	240	20DEC07	21AUG07		443	0.00		10,706.12													Gettelfinger =60hr																																																																																															
161-036.8	Prep Spec, Solicit bids, and Select Vendor	12JAN07	65	12APR07	07DEC06		282	0.00		0.00																																																																																																												
161-036.9	Award Mach Base&Coil struct as one Procurement		0	12APR07	26FEB07		282	0.00		0.00																																																																																																												
161-037	Machine Base&supports Procurement [A/1]	13APR07	90	20AUG07	03JUL07		282	0.00		220,272.00													48=216.73\$sk ; 35=02\$sk																																																																																															
<b>18 - Field Period Assembly</b>																																																																																																																						
<b>Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)</b>																																																																																																																						
<b>Prior Costs</b>																																																																																																																						
1801-001	Apr-Sept MIE Costs PPPL	01APR03A	42	30SEP03A	30SEP03A			7,750.00	100	7,750.00																																																																																																												
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A	30SEP03A			53,050.00	100	53,050.00																																																																																																												
FY06CV-130	ECP45 FY06 cv	01OCT05A	251*	30MAR06A	30MAR06A			3,890.00	100	3,890.00																																																																																																												
<b>Job: 1802 - FP Assy Oversight&amp;Support-VIOLA</b>																																																																																																																						
<b>Oversight and Supervision</b>																																																																																																																						
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04A	30SEP04A			61,119.60	LOE	61,119.60																																																																																																												
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A	30SEP04A			25,920.40	LOE	25,920.40																																																																																																												
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04A	249*	30SEP05A	30SEP05A			136,539.00	LOE	136,539.00																																																																																																												
181.222	HP Coverage in the TFTR TC LOE FY06	01OCT05A	250*	02OCT06	02OCT06		748	121,398.96	LOE	147,328.84													sh/tb=1300 (.75 fte)																																																																																															
181.220	HP Coverage in the TFTR TC LOE FY07	02OCT06*	250*	01OCT07	01OCT07		499	0.00		150,543.22													sh/tb=1300 (.75 fte)																																																																																															
181.221	HP Coverage in the TFTR TC LOE FY08	01OCT07*	250*	30SEP08	30SEP08		250	0.00		154,583.00													sh/tb=1300 (.75 fte)																																																																																															
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A	30SEP04A			77,518.74	LOE	77,518.74																																																																																																												







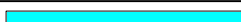









Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
S1P3-105	Verify installation of heater tapes	27APR07	1	27APR07	02MAR07		227	0.00	1,433.10																																																																																																													
S1P3-107	Wind magnetic diagnostic sensors	30APR07	20	25MAY07	30MAR07		227	0.00	36,862.48																																																																																																													
S1P3-107.1	Loop termination & verification	29MAY07	3	31MAY07	01MAY07		227	0.00	3,452.20																																																																																																													
S1P3-106	Attach studs for coolant lines	01JUN07	12	18JUN07	17MAY07		227	0.00	18,287.04																																																																																																													
S1P3-108	Install cooling/htg lines to vac vsl	19JUN07	24	23JUL07	21JUN07		227	0.00	51,766.32																																																																																																													
S1P3-109	Verify Instl of H/C lines, headers, manifolds	24JUL07	5	30JUL07	28JUN07		227	0.00	7,655.04																																																																																																													
S1P3-110	Install local I&C (incl thermocouples)	31JUL07	7	08AUG07	10JUL07		227	0.00	10,632.00																																																																																																													
S1P3-111	Verify installation of local I&C	09AUG07	3	13AUG07	13JUL07		227	0.00	4,678.08																																																																																																													
S1P3-116	Prepare and transfer completed VV to holding are	14AUG07	3	16AUG07	18JUL07		227	0.00	6,425.70																																																																																																													
<b>Spool pieces (3) (spacers)</b>																																																																																																																						
S1SP-101	Attach diagnostics, studs and coolant lines	15MAR07	32	27APR07	05JUN07		428	0.00	36,391.68																																																																																																													
<b>Stage 2 MC Subassemble &amp; Align (3 coil approach)</b>																																																																																																																						
S2P1-100	Assemble/Align Mod-Coils A1/B1/C1	20JUL07	35	07SEP07	30MAY07		85	0.00	73,233.60																																																																																																													
S2P1-200	Assemble/Align Mod-Coils A2/B2/C2	10SEP07	30	19OCT07	27JUN07		85	0.00	74,219.20																																																																																																													
S2P2-100	Assemble/Align Mod-Coils A3/B3/C3	22OCT07	27	27NOV07	17AUG07		85	0.00	75,204.80																																																																																																													
S2P2-200	Assemble/Align Mod-Coils A4/B4/C4	28NOV07	27	16JAN08	13SEP07		85	0.00	75,204.80																																																																																																													
S2P3-100	Assemble/Align Mod-Coils A5/B5/C5	17JAN08	27	22FEB08	07JAN08		85	0.00	75,204.80																																																																																																													
S2P3-200	Assemble/Align Mod-Coils A6/B6/C6	25FEB08	27	01APR08	31JAN08		85	0.00	75,204.80																																																																																																													
<b>Stage 3 MC Instl (rotate MC over Vsl)-FP#1</b>																																																																																																																						
S3P1-000	Begin Assembly of First Field Period Assy	23APR07	0				215	0.00	0.00	<p>*****</p> <p>▼ BEGIN ASSEMBLY OF FIRST FIELD PERIOD DOE LEVEL 2 MILESTONE PEP DATE = JULY 2007</p> <p>*****</p>																																																																																																												
S3P1-101	VV to MC turning fixt base; metr check	23APR07	2	24APR07	12FEB07		215	0.00	3,994.56	EM/TB = 48hr																																																																																																												
S3P1-101.1	Attach local protective strips to VV&locate sens	25APR07	2	26APR07	14FEB07		215	0.00	2,663.04	EM/TB = 32hr ;																																																																																																												
S3P1-102	Mount MC on crane; perform metr checks	10SEP07	2	11SEP07	29JUN07		122	0.00	3,994.56	EM/TB = 48hr																																																																																																												
S3P1-103	Rotate right MC to stand-off position&chk	12SEP07	3	14SEP07	05JUL07		122	0.00	5,991.84	EM/TB = 72hr ;																																																																																																												
S3P1-104	Transfer load to sprt sys and recheck position	17SEP07	2	18SEP07	09JUL07		122	0.00	3,994.56	EM/TB = 48hr ;																																																																																																												
S3P1-105	Move MC turning fixt; mount MC on crane	22OCT07	1	22OCT07	10JUL07		99	0.00	2,051.04	EM/TB = 24hr ;																																																																																																												
S3P1-106	Rotate left MC to stand-off position and check p	23OCT07	2	24OCT07	12JUL07		99	0.00	4,102.08	EM/TB = 48																																																																																																												
S3P1-107	Move left & right MC to final position & measure	25OCT07	2	26OCT07	16JUL07		99	0.00	4,102.08	EM/TB = 48hr ;																																																																																																												
S3P1-108	Install shims ( as reqd); ream 24 holes	29OCT07	7	06NOV07	25JUL07		99	0.00	23,928.80	EM/TB = 280hr ;																																																																																																												
S3P1-109	Bolt together at flange interface.	07NOV07	2	08NOV07	27JUL07		99	0.00	4,102.08	EM/TB = 48hr ;																																																																																																												
S3P1-110	Perform final metrology position check	09NOV07	2	12NOV07	31JUL07		99	0.00	2,734.72	EM/TB = 32hr ;																																																																																																												
S3P1-110.1	Remove temp interference strips&sensors	13NOV07	1	13NOV07	01AUG07		99	0.00	683.68	EM/TB = 8hr ;																																																																																																												
S3P1-111	Secure VV to MC's using temporary supports.	14NOV07	2	15NOV07	03AUG07		99	0.00	4,102.08	EM/TB = 48hr ;																																																																																																												
S3P1-112	Prep & xfr completed assembly to Stage 4 area	16NOV07	1	16NOV07	06AUG07		99	0.00	2,051.04	EM/TB = 24hr ;																																																																																																												

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 Forecast  
 zECP-50 baseline  
 Progress Bar  
 Critical Activity

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**NCSX**  
**ECP-50 STATUS**  
**THROUGH JULY 31, 2006**

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
<b>Stage 3 MC Instl (rotate MC over Vsl)-FP#2</b>																																																																						
S3P2-101	Mount VV to MC turning fixt base; metr check	19NOV07	2	20NOV07	08AUG07		128	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P2-101.1	Attach local protective strips to VV&locate sens	21NOV07	2	22NOV07	10AUG07		128	0.00		2,734.72																									EM//TB =32hr ;																																			
S3P2-102	Mount MC on crane; perform metr checks	28NOV07	2	03DEC07	21AUG07		125	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P2-103	Rotate right MC to stand-off position&chk	04DEC07	3	06DEC07	24AUG07		125	0.00		6,153.12																									EM//TB =72hr ;																																			
S3P2-104	Transfer load to supt sys and recheck position	07DEC07	2	10DEC07	28AUG07		125	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P2-105	Move MC turning fixt; mount MC on crane	17JAN08	1	17JAN08	14SEP07		105	0.00		2,051.04																									EM//TB =24hr ;																																			
S3P2-106	Rotate left MC to stand-off position and check p	18JAN08	2	21JAN08	18SEP07		105	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P2-107	Move left & right MC to final position & measure	22JAN08	2	23JAN08	20SEP07		105	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P2-108	Install shims ( as reqd); ream 24 holes	24JAN08	7	01FEB08	01OCT07		105	0.00		23,928.80																									EM//TB =280hr ;																																			
S3P2-109	Bolt together at flange interface.	04FEB08	2	05FEB08	03OCT07		105	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P2-110	Perform final metrology position check	06FEB08	2	07FEB08	05OCT07		105	0.00		2,734.72																									EM//TB =32hr ;																																			
S3P2-110.1	Remove temp interference strips&sensors	08FEB08	1	08FEB08	08OCT07		105	0.00		683.68																									EM//TB =8hr ;																																			
S3P2-111	Secure VV to MC's using temporary supports.	11FEB08	2	12FEB08	10OCT07		105	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P2-112	Prep& xfr completed assembly to Stage 4 area	13FEB08	1	13FEB08	11OCT07		105	0.00		2,051.04																									EM//TB =24hr ;																																			
<b>Stage 3 MC Instl (rotate MC over Vsl)-FP#3</b>																																																																						
S3P3-101	Mount VV to MC turning fixt base; metr check	14FEB08	2	15FEB08	15OCT07		108	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P3-101.1	Attach local protective strips to VV&locate sens	18FEB08	2	19FEB08	17OCT07		108	0.00		2,734.72																									EM//TB =32hr ;																																			
S3P3-102	Mount MC on crane; perform metr checks	25FEB08	2	26FEB08	04FEB08		105	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P3-103	Rotate right MC to stand-off position&chk	27FEB08	3	29FEB08	07FEB08		105	0.00		6,153.12																									EM//TB =72hr ;																																			
S3P3-104	Transfer load to supt sysand recheck position	03MAR08	2	04MAR08	11FEB08		105	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P3-105	Move MC turning fixt; mount MC on crane	02APR08	1	02APR08	12FEB08		85	0.00		2,051.04																									EM//TB =24hr ;																																			
S3P3-106	Rotate left MC to stand-off position and check p	03APR08	2	04APR08	14FEB08		85	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P3-107	Move left & right MC to final position & measure	07APR08	2	08APR08	18FEB08		85	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P3-108	Install shims ( as reqd); ream 24 holes	09APR08	7	17APR08	27FEB08		85	0.00		23,928.80																									EM//TB =280hr ;																																			
S3P3-109	Bolt together at flange interface.	18APR08	2	21APR08	29FEB08		85	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P3-110	Perform final metrology position check	22APR08	2	23APR08	04MAR08		85	0.00		2,734.72																									EM//TB =32hr ;																																			
S3P3-110.1	Remove temp interference strips&sensors	24APR08	1	24APR08	05MAR08		85	0.00		683.68																									EM//TB =8hr ;																																			
S3P3-111	Secure VV to MC's using temporary supports.	25APR08	2	28APR08	07MAR08		85	0.00		4,102.08																									EM//TB =48hr ;																																			
S3P3-112	Prep& xfr completed assembly to Stage 4 area	29APR08	1	29APR08	10MAR08		85	0.00		2,051.04																									EM//TB =24hr ;																																			
<b>Station 4 - TF HP Pre-Assy (bolt 3 TF together)</b>																																																																						
184-100	Assemble 3 TF coils&structure -Left-Period #1	19SEP07	15	09OCT07	20SEP07		159	0.00		37,576.32																									em//sm=80; em//tb=320																																			
184-105	Assemble 3 TF coils&structure -Right -Period #1	10OCT07	10	23OCT07	04OCT07		159	0.00		38,108.80																									em//sm=80; em//tb=320																																			
184-110	Assemble 3 TF coils&structure -Left-Period #2	24OCT07	10	06NOV07	18OCT07		199	0.00		38,108.80																									em//sm=80; em//tb=320																																			
184-115	Assemble 3 TF coils&structure -Right -Period #2	07NOV07	10	20NOV07	01NOV07		199	0.00		38,108.80																									em//sm=80; em//tb=320																																			
184-120	Assemble 3 TF coils&structure -Left -Period #3	21NOV07	10	06DEC07	15NOV07		208	0.00		38,108.80																									em//sm=80; em//tb=320																																			
184-125	Assemble 3 TF coils&structure -Right -Period #3	17MAR08	10	28MAR08	11MAR08		144	0.00		38,108.80																									em//sm=80; em//tb=320																																			

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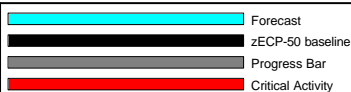
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**NCSX  
ECP-50 STATUS  
THROUGH JULY 31,2006**

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																							
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				J			
<b>Stage 5- Final FP Assy (Instl ports &amp; TF's)FP#1</b>																																																																										
S4P1-101	Mount MC/VV assembly to support frame a	19NOV07	2	20NOV07	08AUG07		99	0.00		4,102.08																									EM/TB =48hr ;																																							
S4P1-102	Position and weld all ports to VV	21NOV07	30	14JAN08	20SEP07	2	99	0.00		82,041.60																									EM/TB =960hr ;																																							
S4P1-103	Inspect Welds	15JAN08	5	21JAN08	27SEP07		99	0.00		6,836.80																									EM/TB =80hr ;																																							
S4P1-104	Assemble left TF Coil Assembly check position	22JAN08	3	24JAN08	02OCT07		99	0.00		8,204.16																									EM/TB =96hr ;																																							
S4P1-105	Change platforms	25JAN08	2	28JAN08	04OCT07		99	0.00		4,102.08																									EM/TB =48hr ;																																							
S4P1-106	Assemble right TF Coil Assembly chk position	29JAN08	3	31JAN08	09OCT07		99	0.00		8,204.16																									EM/TB =96hr ;																																							
S4P1-107	Attach TF coils to MC's	01FEB08	3	05FEB08	12OCT07		99	0.00		6,153.12																									EM/TB =72hr ;																																							
S4P1-108	Change platforms	06FEB08	2	07FEB08	16OCT07		100	0.00		5,469.44																									EM/TB =64hr ;																																							
S4P1-109	Position, weld two large horizontal diag ports	08FEB08	8	19FEB08	26OCT07		100	0.00		16,408.32																									EM/TB =192hr ;																																							
S4P1-110	Inspect Welds	20FEB08	1	20FEB08	29OCT07		100	0.00		1,367.36																									EM/TB =16hr ;																																							
S4P1-111	Assemble external trim coils to TF Coil	01FEB08	15	21FEB08	30OCT07		99	0.00		20,510.40																									EM/TB =240hr ;																																							
S4P1-112	Close up VV, leak check	22FEB08	10	06MAR08	13NOV07		99	0.00		54,694.40																									EM/TB =640hr ;																																							
S4P1-113	Adjust final support base interfaces	07MAR08	10	20MAR08	27NOV07		99	0.00		4,102.08																									EM/TB =48hr ;																																							
S4P1-113.5	Final metrology outside & inside	21MAR08	10	03APR08	13DEC07		99	0.00		0.00																																																																
S4P1-114	Prepare Field Period for shipment	04APR08	2	07APR08	17DEC07		99	0.00		4,102.08																									EM/TB =48hr ;																																							
S4P1-115	Transfer completed assy to C-site test cell	08APR08	2	09APR08	19DEC07		99	0.00		6,836.80																									EM/TB =80hr ;																																							
<b>Stage 5- Final FP Assy (Instl ports &amp; TF's)FP#2</b>																																																																										
S4P2-101	Mount MC/VV assembly to support frame a	14FEB08	2	15FEB08	15OCT07		105	0.00		4,102.08																									EM/TB =48hr ;																																							
S4P2-102	Position and weld all ports to VV	18FEB08	30	28MAR08	26NOV07	2	105	0.00		82,041.60																									EM/TB =960hr ;																																							
S4P2-103	Inspect Welds	31MAR08	5	04APR08	05DEC07		105	0.00		6,836.80																									EM/TB =80hr ;																																							
S4P2-104	Assemble left TF Coil Assembly check position	07APR08	3	09APR08	10DEC07		105	0.00		8,204.16																									EM/TB =96hr ;																																							
S4P2-105	Change platforms	10APR08	2	11APR08	12DEC07		105	0.00		4,102.08																									EM/TB =48hr ;																																							
S4P2-106	Assemble right TF Coil Assembly chk position	14APR08	3	16APR08	17DEC07		105	0.00		8,204.16																									EM/TB =96hr ;																																							
S4P2-107	Attach TF coils to MC's	17APR08	3	21APR08	20DEC07		105	0.00		6,153.12																									EM/TB =72hr ;																																							
S4P2-108	Change platforms	22APR08	2	23APR08	02JAN08		105	0.00		5,469.44																									EM/TB =64hr ;																																							
S4P2-109	Position, weld two large horizontal diag ports	24APR08	8	05MAY08	14JAN08		105	0.00		16,408.32																									EM/TB =192hr ;																																							
S4P2-110	Inspect Welds	06MAY08	1	06MAY08	15JAN08		105	0.00		1,367.36																									EM/TB =16hr ;																																							
S4P2-111	Assemble external trim coils to TF Coil	17APR08	10	30APR08	09JAN08		109	0.00		20,510.40																									EM/TB =240hr ;																																							
S4P2-112	Close up VV, leak check	07MAY08	10	20MAY08	29JAN08		105	0.00		54,694.40																									EM/TB =640hr ;																																							
S4P2-113	Adjust final support base interfaces	21MAY08	10	04JUN08	12FEB08		105	0.00		4,102.08																									EM/TB =48hr ;																																							
S4P2-113.5	Final metrology outside & inside	05JUN08	10	18JUN08	26FEB08		105	0.00		0.00																																																																
S4P2-114	Prepare Field Period for shipment	19JUN08	2	20JUN08	28FEB08		105	0.00		4,102.08																									EM/TB =48hr ;																																							
S4P2-115	Transfer completed assy to C-site test cell	23JUN08	2	24JUN08	03MAR08		105	0.00		6,836.80																									EM/TB =80hr ;																																							
<b>Stage 5 - Final FP Assy (Instl ports &amp; TF's)FP#3</b>																																																																										
S4P3-101	Mount MC/VV assembly to support frame a	30APR08	2	01MAY08	12MAR08	2	85	0.00		4,102.08																									EM/TB =48hr ;																																							
S4P3-102	Position and weld all ports to VV*2 shift*	02MAY08	30	13JUN08	23APR08	2	85	0.00		82,041.60																									EM/TB =960hr ;																																							

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ECP-50 STATUS  
THROUGH JULY 31,2006**

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
S4P3-103	Inspect Welds	16JUN08	3	18JUN08	28APR08	2	85	0.00		6,836.80																									EM//TB =80hr ;																																																																																			
S4P3-104	Assemble left TF Coil Assembly check position	19JUN08	1	19JUN08	29APR08	2	85	0.00		8,204.16																									EM//TB =96hr ;																																																																																			
S4P3-105	Change platforms	20JUN08	1	20JUN08	30APR08	2	85	0.00		4,102.08																									EM//TB =48hr ;																																																																																			
S4P3-106	Assemble right TF Coil Assembly chk position	23JUN08	2	24JUN08	02MAY08	2	85	0.00		8,204.16																									EM//TB =96hr ;																																																																																			
S4P3-107	Attach TF coils to MC's	25JUN08	1	25JUN08	05MAY08	2	85	0.00		6,153.12																									EM//TB =72hr ;																																																																																			
S4P3-108	Change platforms	26JUN08	1	26JUN08	06MAY08	2	86	0.00		5,469.44																									EM//TB =64hr ;																																																																																			
S4P3-109	Position, weld two large horizontal diag ports	27JUN08	4	02JUL08	12MAY08	2	86	0.00		16,408.32																									EM//TB =192hr ;																																																																																			
S4P3-110	Inspect Welds	03JUL08	1	03JUL08	13MAY08	2	86	0.00		1,367.36																									EM//TB =16hr ;																																																																																			
S4P3-111	Assemble external trim coils to TF Coil	25JUN08	8	07JUL08	14MAY08	2	85	0.00		20,510.40																									EM//TB =240hr ;																																																																																			
S4P3-112	Close up VV, leak check	08JUL08	5	14JUL08	21MAY08	2	85	0.00		54,694.40																									EM//TB =640hr ;																																																																																			
S4P3-113	Adjust final support base interfaces	15JUL08	5	21JUL08	29MAY08	2	85	0.00		4,102.08																									EM//TB =48hr ;																																																																																			
S4P3-113.5	Final metrology outside & inside	22JUL08	5	28JUL08	05JUN08	2	85	0.00		0.00																									.																																																																																			
S4P3-114	Prepare Field Period for shipment	29JUL08	1	29JUL08	06JUN08	2	85	0.00		4,102.08																									EM//TB =48hr ;																																																																																			
S4P3-115	Transfer completed assy to C-site test cell	30JUL08	1	30JUL08	09JUN08	2	85	0.00		6,836.80																									EM//TB =80hr ;																																																																																			
S4P3-115X	Last field period assembled		0	30JUL08	09JUN08	2	85	0.00		0.00																									LAST FIELD PERIOD ASSEMBLED DOE LEVEL 2 MILESTONE PEP DATE = NOVEMBER 2008																																																																																			

FY06CV-150	ECP45 FY06 cv	01OCT05A	251*	30MAR06A	30MAR06A			400.00	100	400.00
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**19 - Stellarator Core Management and Integration**

**Job: 1901 - Stellarator Core Mngt&Integr-NELSON**

**Prior Costs**

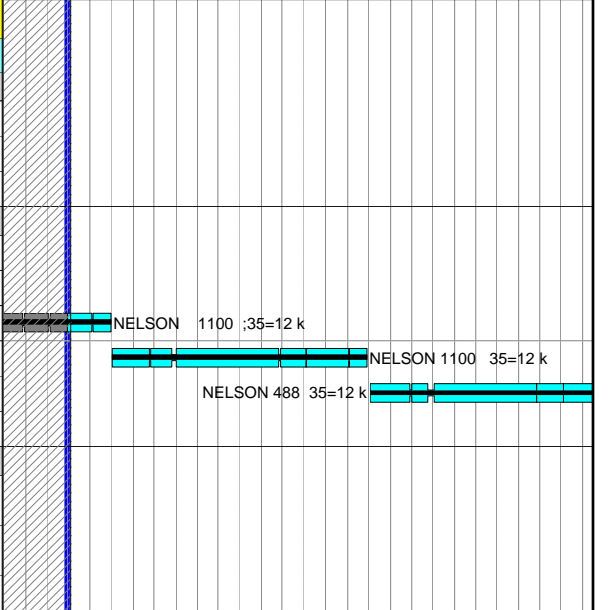
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A	30SEP03A			187,090.00	100	187,090.00
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	248	30SEP03A	30SEP03A			67,070.00	100	67,070.00
1901-ECP16	ecp16	01OCT03A	250*	30SEP04A	30SEP04A			30,000.00	LOE	30,000.00

**191 - Stellarator Core Management & Oversight**

191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	250*	30SEP04A	30SEP04A			101,500.00	LOE	101,500.00
0191-5	LOE-FY05 WBS 191	01OCT04A	249*	30SEP05A	30SEP05A			175,500.00	LOE	175,500.00
0191-6	LOE-FY06 WBS 191	03OCT05A	249*	29SEP06	29SEP06		502	163,559.10	LOE	197,774.00
0191-6X	LOE-FY07 WBS 191	03OCT06*	247	27SEP07	27SEP07		501	0.00	LOE	201,498.00
0191-7	LOE-FY08 WBS 191	03OCT07*	247	29SEP08	29SEP08		251	0.00	LOE	99,976.00
191-8	LOE-FY089 WBS 191	03OCT08*	130	15APR09	15APR09		118	0.00	LOE	51,804.00

**192 - Stellarator Core Integration & Analysis**

192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	250*	30SEP04A	30SEP04A			234,660.11	LOE	234,660.11
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	250*	30SEP04A	30SEP04A			36,676.65	LOE	36,676.65
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	271	30SEP04A	30SEP04A			42,333.00	LOE	42,333.00









Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
21-35	Eng. Work Planning and Design during fab	05JUL07	65	04OCT07	04OCT07		292	0.00	3,907.07																									Blanchard =22hr ;																																				
21-40	Fabrication/Install Hardware	05JUL07	65	04OCT07	04OCT07		227	0.00	3,149.20																									EM//SM =24hr ;																																				
21-45	Fabrication/Installation	05OCT07	65	16JAN08	16JAN08		227	0.00	15,214.00													EM//SM =50hr ; EM//TB =50hr ;												41=3\$K ;																																				
21-55	Install PLC Controls	05OCT07	65	16JAN08	16JAN08		227	0.00	0.00																																																													
21-60	Integrated Systems Testing/Eng	05OCT07	65	16JAN08	16JAN08		227	0.00	1,456.64																									Blanchard =8hr ;																																				
21-65	Integrated Systems Testing/Tech Support	17JAN08	45	19MAR08	19MAR08		227	0.00	1,196.19																									EE//SM =9hr ;																																				

## 22 - Torus Vacuum Pumping Systems

### Job: 2201 - Vacuum Pumping Systems

22-25	Eng. Work Planning and Design	01MAY07*	40	26JUN07	26JUN07		224	0.00	27,323.50																									Blanchard =95hr ; EM//SM =80hr ;											
22-30	Design PLC based control system *N/R*	27JUN07	50	06SEP07	06SEP07		264	0.00	0.00																																				
22-35	Electrical Drafting for pumping system *N/R*	27JUN07	50	06SEP07	06SEP07		284	0.00	0.00																																				
22-40	Drafting	27JUN07	50	06SEP07	06SEP07		224	0.00	9,350.44																									EA//DM =79hr ;											
22-45	Eng. Work Planning and Design during fab	07SEP07	40	01NOV07	01NOV07		244	0.00	6,846.38																									Blanchard =38hr ;											
22-50	Perform maint. & repair of pmpg sys	07SEP07	40	01NOV07	01NOV07		224	0.00	5,457.59																									EM//SM =41hr ;											
22-55	Repair and Calibration vac instrumentation*N/R*	02NOV07	60	06FEB08	06FEB08		244	0.00	0.00																																				
22-60	Fabrication/installation	02NOV07	80	05MAR08	05MAR08		224	0.00	27,115.20													EM//TB =120hr ;												41=12\$K ;											
22-65		02NOV07	80	05MAR08	05MAR08		224	0.00	0.00																																				
22-70	Integrated Systems Testing/Eng *N/R*	06MAR08	20	02APR08	02APR08		224	0.00	0.00																																				
22-75	Integrated Systems Testing/Tech Support*N/R*	06MAR08	20	02APR08	02APR08		224	0.00	0.00																																				

## 25 - Neutral Beam Injection System

### Job: 2501 - Neutral Beam Refurbishment-STEVENSON

#### FY04 Work Plan

2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A	30JUN04A			81,334.78		81,334.78																																					
2501-014.1	FY04 work closeout *TBD*	01JUL04A	64*	30SEP04A	30SEP04A			48,614.06	LOE	48,614.06																																					
<b>Prior Costs</b>																																															
2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A	30SEP03A			123,000.00	100	123,000.00																																					
<b>Refurbishment**CD-3 deleted scope</b>																																															
25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A	30JUN04A			21,384.62		21,384.62																																					
<b>Re-Install Beamline**CD-3 deleted scope</b>																																															
25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A	30JUN04A			2,060.33		2,060.33																																					
<b>Re-Install Cables**CD-3 deleted scope</b>																																															
25-225.1	Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A	30JUN04A			4,812.60		4,812.60																																					
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A	30JUN04A			727.68		727.68																																					
<b>Beamline Connections**CD-3 deleted scope</b>																																															
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A	30JUN04A			2,433.60		2,433.60																																					

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
FY06CV-165	ECP45 FY06 cv	01OCT05A	251*	30MAR06A	30MAR06A			650.00	100	650.00																																																																																																												
<b>3 - Diagnostics</b>																																																																																																																						
<b>31 - Magnetic Diagnostics</b>																																																																																																																						
<b>Job: 3101 Magnetic Diagnostics</b>																																																																																																																						
<b>Vacuum Vessel Saddle Loops</b>																																																																																																																						
3101-105	DEVELOP LOCATING, MOUNTING STRATEGY	01JAN05A	20	31JAN05A	31JAN05A			1,000.00	100	1,000.00																																																																																																												
3101-109	INTEGRATE LOOP AND LEAD DESIGN WITH H/C	01JAN05A	40	28FEB05A	28FEB05A			6,416.80	100	6,416.80																																																																																																												
3101-113	INTEGRATE LAYOUT, MEAS NEEDS W/ VSL	01JAN05A	40	28FEB05A	28FEB05A			3,208.40	100	3,208.40																																																																																																												
3101-117	DEVELOP CONSTRAINTS FOR ARRAY LAYOUT	01JAN05A	20	31JAN05A	31JAN05A			0.00	100	0.00																																																																																																												
3101-121	LAYOUT CANDIDATE SENSOR ARRAY ON PRO-E	01FEB05A	20	28FEB05A	28FEB05A			0.00	100	0.00																																																																																																												
3101-125	PDR PREP -VESSEL SADDLE LOOP MOUNTING	02MAY05A	5	31MAY05A	31MAY05A			9,483.60	100	9,483.60																																																																																																												
3101-126	PEER REVIEW -VESSEL SADDLE LOOP		0	31MAY05A	31MAY05A			0.00	100	0.00																																																																																																												
3101-129	DESIGN AND PROTOTYPE SADDLE LOOP	01MAR05A	107*	29JUL05A	29JUL05A			7,643.52	100	7,643.52																																																																																																												
3101-133	Prototype loops on vsl proto segment using ARI	01MAR05A	107*	29JUL05A	29JUL05A			6,189.20	100	6,189.20																																																																																																												
3101-137	FINAL OPTIMIZATION OF LOOP LOCATION, AREA	01JAN05A	193*	30SEP05A	30SEP05A			0.00	100	0.00																																																																																																												
3101-149	PREPARE METROLOGY	01JUN05A	87*	31AUG05A	31AUG05A			6,416.80	100	6,416.80																																																																																																												
3101-145	Procure MI Cable	26SEP05A	68*	23DEC05A	23DEC05A			22,182.57	100	22,182.57																																																																																																												
3101-139	Develop ProE model of loops, flat dev, fiducials	26SEP05A	254*	30JUN06A				20,859.52	100	20,859.52	; Brown=120																																																																																																											
3101-141	FDR PREP-	01DEC05A	123*	31MAY06A				10,410.60	100	10,410.60	; LABIK =60hr ;																																																																																																											
3101-142	FDR - VESSEL SADDLE LOOP TEMPLATES		0	16DEC05A	16DEC05A			0.00	100	0.00																																																																																																												
3101-153	Fab Installation Templates (for FP Assy)	01JAN06A	41*	28FEB06A	28FEB06A			2,619.92	100	2,619.92																																																																																																												
3101-143	FDR - VESSEL SADDLE LOOP INSTALLATION		0	31MAY06A	28APR06*			0.00	100	0.00																																																																																																												
3101-146	Procure remaining materials	01OCT05A	99*	28FEB06A	28FEB06A			12,424.40	100	12,424.40																																																																																																												
3101-157	Design & fab tooling and clamps	01JUN05A	209*	31MAR06A	31MAR06A			13,035.67	100	13,035.67																																																																																																												
3101-167	Design voltage loops	01DEC05A	123*	31MAY06A				3,470.20	100	3,470.20	; labik=20																																																																																																											
3101-169	Voltage loop connection peer review	30JUN06A	1	30JUN06A	01MAY06			1,735.10	100	1,735.10	; labik=10																																																																																																											
3101-154	Fab Installation Templates (for spacers)	01AUG06	5	07AUG06	05MAY06		232	0.00		256.40	; MACHINIST =2hr ;																																																																																																											
3101-165	Identify lead wires at multiple locations	01AUG06*	201*	21MAY07	21MAY07		591	0.00	0	8,500.13	; diag tech=60; labik=20																																																																																																											
3101-161	SUPT LOOP INSTL 200 LOOPS), TESTING	19OCT06	149*	25MAY07	30MAR07		227	0.00		7,092.00	; LABIK =40hr oversight (reduced) installation time in WBS18 job 1810																																																																																																											
<b>Modular Coil C-wound Loops</b>																																																																																																																						
3101-205	MOUNTING/LOCATING STRATEGY MC CO-WOUND	01JAN05A	20	31JAN05A	31JAN05A			3,208.40	100	3,208.40																																																																																																												
3101-209	PROTOTYPE ON TWISTED RACETRACK	01MAR05A	20	31MAR05A	31MAR05A			4,741.80	100	4,741.80																																																																																																												
3101-213	DESIGN TERMINATION	01MAR05A	130*	31AUG05A	31AUG05A			7,302.40	100	7,302.40																																																																																																												
3101-221	PROCURE MATERIALS	25JUL05A	0*	29JUL05A	29JUL05A			6,410.90	100	6,410.90																																																																																																												
3101-217	Peer review of lead routing	31JAN06A	0*	31JAN06A	31JAN06A			6,940.40	100	6,940.40																																																																																																												

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Forecast  
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 Progress Bar  
 Critical Activity

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
<b>36 - Edge and Divertor Diagnostics</b>																																																																																																																						
<b>Job: 3601 - Edge and Divertor Diagnostics</b>																																																																																																																						
361-001	Design Visible Camera sys	04SEP07	40	29OCT07	29OCT07		190	0.00		857.99																																																																																																												
361-015	Fab/Assy/Installation Visible Camera	30OCT07*	130	09MAY08	09MAY08		190	0.00		8,575.80																									R//RM2 =5 EM//SM =25hr ; 41=0\$K ; use existing camera																																																																																			
<b>38 - Electron Beam (EB) Mapping</b>																																																																																																																						
<b>Job: 3801 - Electron Beam Mapping</b>																																																																																																																						
380-010	Design-Beam Probe,Fluor. Screen	12OCT07	40	10DEC07	10DEC07		190	0.00		9,028.15																									EA//DM =45hr ;																																																																																			
380-015	Fab & Install Beam probe	11DEC07*	102	09MAY08	09MAY08		190	0.00		20,610.70																									EE//SM =10hr ; em/sm=40;-41=0																																																																																			
<b>39 - Diagnostics Integration</b>																																																																																																																						
<b>Job: 3901 - Diagnostics sys Integration-JOHNSON</b>																																																																																																																						
<b>Prior Costs</b>																																																																																																																						
390-001	LOE Support FY03	01APR03A	151*	30SEP03A	30SEP03A			155,450.00	100		155,450.00																																																																																																											
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A	30JUN04A			0.00	100	0.00																																																																																																												
390-110	Resolve port interferences.Final port config		0	30JUN04A	30JUN04A			0.00	100	0.00																																																																																																												
390-120	Update port map&revise diag port assignments		0	31OCT05A	31OCT05A			0.00	100	0.00																																																																																																												
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	31JAN06A	31JAN06A			0.00	100	0.00																																																																																																												
390-140	Write ICD's-Define external space for diagnostic		0	31JUL06*	28APR06*		792	0.00	50	0.00																									▼																																																																																			
390-150	Write ICD's-Define space f/racks in cntrl rm		0	31JUL06*	28APR06*		792	0.00	50	0.00																									▼																																																																																			
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A	30JUN04A			0.00	100	0.00																																																																																																												
390-170	Develop space envelopes for SXR		0	31JAN06A	31JAN06A			0.00	100	0.00																																																																																																												
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	31OCT05A	31OCT05A			0.00	100	0.00																																																																																																												
390-010	LOE Support FY04	01OCT03A	250*	30SEP04A	30SEP04A			65,000.00	LOE	65,000.00																																																																																																												
390-015	LOE Support FY05 **reduced scope	01OCT04A	249*	30SEP05A	30SEP05A			66,357.30	LOE	66,357.30																																																																																																												
390-020	LOE Support FY06	03OCT05A	249*	29SEP06	29SEP06		749	58,315.93	LOE	70,515.03																									EA//DM =0 ; r//rm3=177																																																																																			
FY05CV-33	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			-12,000.00		-12,000.00																																																																																																												
<b>+ 4 - Electrical Power Systems</b>																																																																																																																						
		01APR03A	1,422	21NOV08	21NOV08		212	722,312.28		3,132,437.67																																																																																																												

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Forecast  
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 Critical Activity

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
<b>5 - Central I&amp;C Systems</b>																																																																																																																						
<b>51 - TCP/IP Infrastructure Systems</b>																																																																																																																						
<b>Job: 5101 - TCP/IP Infrastructure Systems</b>																																																																																																																						
51-10	Preliminary Design (Title I)	01OCT07*	45	04DEC07	04DEC07		227	0.00	4,695.30																									EC//EM =30hr ;																																																																																				
51-20	Final Network Design (Title II)	05DEC07	20	10JAN08	10JAN08		227	0.00	4,695.30																									EC//EM =30hr ;																																																																																				
51-30	Installation, Testing, Documentation (Title III)	11JAN08	120	27JUN08	27JUN08		227	0.00	141,455.60																									EE/tb =490hr ; 41=50\$k ;																																																																																				
<b>52 - Central Instrumentation &amp; Control</b>																																																																																																																						
<b>5201 - I&amp;C Systems</b>																																																																																																																						
52-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	05NOV07		164	0.00	6,191.16																									EC//EM =40hr ;																																																																																				
52-20	Final Design (Title II)	06NOV07	87	18MAR08	18MAR08		164	0.00	6,260.40																									EC//EM =40hr ;																																																																																				
52-30	Installation, Testing, Documentation (Title III)	19MAR08	135	26SEP08	26SEP08		164	0.00	125,608.00																									EC//EM =320hr ; 41=40\$k ;																																																																																				
<b>53 - Data Acquisition &amp; Facility Computing</b>																																																																																																																						
<b>5301 - Data Acquisition</b>																																																																																																																						
53-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07	05NOV07		186	0.00	30,955.78																									EC//EM =200hr ;																																																																																				
53-20	Final Design (Title II)	06NOV07	65	15FEB08	15FEB08		186	0.00	31,302.00																									EC//EM =200hr ;																																																																																				
53-30	Coding, Configuration, Testing (Title III)	18FEB08	135	26AUG08	26AUG08		186	0.00	87,502.00																									EC//EM =200hr ; 41=40\$k ;																																																																																				
<b>54 - Facility Timing &amp; Synchronization</b>																																																																																																																						
<b>Job: 5401 - Facility Timing &amp; Synchronization</b>																																																																																																																						
54-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	05DEC07		166	0.00	6,260.40																									EC//EM =40hr ;																																																																																				
54-20	Final Design (Title II)	06DEC07	65	14MAR08	14MAR08		166	0.00	6,260.40																									EC//EM =40hr ;																																																																																				
54-30	Installation, Testing, Documentation (Title III)	17MAR08	135	24SEP08	24SEP08		166	0.00	69,632.20																									EC//EM =120hr ; 41=19\$k ;																																																																																				
<b>55 - Real Time Plasma &amp; Power Supply Control Sys</b>																																																																																																																						
<b>5501 - Real Time Control System</b>																																																																																																																						
55-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07	05DEC07		226	0.00	6,260.40																									EC//EM =40hr ;																																																																																				
55-20	Final Design (Title II)	06DEC07	20	11JAN08	11JAN08		226	0.00	6,260.40																									EC//EM =40hr ;																																																																																				
55-30	Installation, Testing, Documentation (Title III)	14JAN08	120	30JUN08	30JUN08		226	0.00	81,092.40																									EC//EM =200hr ; EC//EM =240hr ; 41=15\$k ;																																																																																				
<b>56 - Central Safety Interlock Systems</b>																																																																																																																						
<b>Job: 5601 - Central Safety Interlock Systems</b>																																																																																																																						
56-10	Preliminary Design (Title I)	02OCT07*	87	12FEB08	12FEB08		171	0.00	6,260.40																									EC//EM =40hr ;																																																																																				
56-20	Final Design (Title II)	13FEB08	45	15APR08	15APR08		171	0.00	6,260.40																									EC//EM =40hr ;																																																																																				

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																																																																																
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J																																																																
											M												J												J												A												S												O												N												D												J												F												M												A												M												J												J
56-30	Installation, Testing, Documentation (Title III)	16APR08	108	17SEP08	17SEP08		171	0.00	116,850.20	LC/EM = 220hr ; LC/TB = 600hr ; 41=10\$k ;																																																																																																																																																																									
<b>57 - Control Room Facility</b>																																																																																																																																																																																			
<b>Job: 5701 - Control Room Facility</b>																																																																																																																																																																																			
57-10		01AUG06	0	31JUL06	28APR06		792	0.00	0.00																																																																																																																																																																										
<b>+ 58 - Central I&amp;C management and Integration</b>																																																																																																																																																																																			
		01APR03A	1,135	01OCT07	01OCT07		499	40,837.60	57,828.37																																																																																																																																																																										
<b>6 - Facility Systems</b>																																																																																																																																																																																			
<b>61 - Water Systems</b>																																																																																																																																																																																			
<b>Job:6101 - Water Systems</b>																																																																																																																																																																																			
<b>613 - Vacuum Pumping System</b>																																																																																																																																																																																			
623.011	Design WBS 612 **N/R**	01NOV07*	59	04FEB08	04FEB08		214	0.00	0.00																																																																																																																																																																										
632.021	WBS 612 Assembly/Fabrication/Installation	05FEB08	40	31MAR08	31MAR08		214	0.00	13,802.48	em/em=10 em/tb=58; 41=\$5k																																																																																																																																																																									
<b>62 - Cryogenic Systems</b>																																																																																																																																																																																			
<b>Job: 6201 - Cryogenic Systems</b>																																																																																																																																																																																			
<b>621 - LN2-LHe Supply System</b>																																																																																																																																																																																			
631-001	Preliminary Design	02JUL07*	65	02OCT07	02OCT07		240	0.00	15,792.79	EM/EM =89hr ;																																																																																																																																																																									
631-010	Final Design**reduced scope	03OCT07	65	14JAN08	14JAN08		240	0.00	18,149.92	EM/EM =89hr ; EA/DM =176-160=16hr ;																																																																																																																																																																									
631-020	Procurement **reduced scope	15JAN08	88	15MAY08	15MAY08		240	0.00	123,078.00	41=88\$k -51.4=36.6 ;																																																																																																																																																																									
631-015	Fab/Assy/Installation**reduced scope	11MAR08	65	10JUN08	10JUN08		240	0.00	71,991.50	EM/EM =89hr ; EM/SM =140-116=24hr ; EM/TB =580-170=410hr ;																																																																																																																																																																									
<b>622 - LN2 Coil Cooling Supply</b>																																																																																																																																																																																			
632-001	**deleted scope	01AUG06	0	31JUL06	28APR06		792	0.00	0.00																																																																																																																																																																										
<b>623 - GN2 Cryostat Cooling System</b>																																																																																																																																																																																			
633-001	Preliminary Design	02JUL07*	40	27AUG07	27AUG07		250	0.00	15,779.70	EM/EM =89hr ;																																																																																																																																																																									
633-020	Procurement	14NOV07	130	27MAY08	27MAY08		250	0.00	112,329.75	41=80\$k ;																																																																																																																																																																									
633-010	Final Design	28AUG07	55	13NOV07	13NOV07		250	0.00	25,644.50	EM/EM =89hr ; EA/DM =80hr ;																																																																																																																																																																									
633-015	Fab/Assy/Installation	24JAN08	88	27MAY08	27MAY08		250	0.00	72,266.88	EM/EM =89hr ; EM/TB =656hr ;																																																																																																																																																																									
<b>63 - Utility Systems</b>																																																																																																																																																																																			
<b>Job: 6301 - Utility Systems</b>																																																																																																																																																																																			
640.011	Design GN2, Air & Vent Systems	01OCT07*	59	02JAN08	02JAN08		249	0.00	34,014.40	em/em=80; ea/dm=160																																																																																																																																																																									
640.021	Assembly/Fabrication	03JAN08	40	27FEB08	27FEB08		249	0.00	72,889.52	em/em=48; em/tb=458; 41=\$17.40k																																																																																																																																																																									
<b>64 - PFC/VV Heating &amp; Cooling*ELIMINATED*</b>																																																																																																																																																																																			
<b>Job: 6401 - PFC/VV Heating &amp; Cooling</b>																																																																																																																																																																																			
650.001	Eliminated scope	01AUG06	0	31JUL06	28APR06		792	0.00	0.00																																																																																																																																																																										

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 Forecast  
 zECP-50 baseline  
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
7502-002	Test Cell 208v outlets	01APR05A	214	07FEB07	07FEB07		664	6,465.06	70	9,235.80	EM/SM =80hr ;																																																																																																											
7502-003	Install 480v power in test cell	01SEP05A	0	30SEP05A	30SEP05A			0.00	100	0.00																																																																																																												
7502-004	Install 120v panels in test cell	01SEP05A	0	30SEP05A	30SEP05A			0.00	100	0.00																																																																																																												
7502-010	Ready Rooms (under cntrl rm)110v outletsDELETED	02OCT06*	65	10JAN07	10JAN07		558	0.00		0.00																																																																																																												
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0	31OCT03A	31OCT03A			9,937.20	100	9,937.20																																																																																																												
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A	26NOV03A			16,848.00	100	16,848.00																																																																																																												
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0	30JAN04A	30JAN04A			37,608.48	100	37,608.48																																																																																																												
FY05CV-40	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			178,000.00		178,000.00																																																																																																												
FY06CV-200	ECP45 FY06 cv	01OCT05A	251	30MAR06A	30MAR06A			32,120.00	100	32,120.00																																																																																																												

### 75 - Test Cell and Basement Assembly Operations

#### 7501 - Construction Support Crew

7501-05	Construction Support Crew during machine assy	01OCT07	337	11FEB09	12DEC08		85	0.00		838,912.13	Work Control Center em/sm=2368 (1fte)												Tool Crib Control em/tb=1184 (.5 fte)												Crane Operator & support em/tb=2368 (1.0 fte)												Forklift Operator & support em/tb=2368 (1.0 fte)											
7501-06	Construction Support Crew e-beam mapping&ISTP	12FEB09	35	01APR09	10FEB09		85	0.00		102,211.20																																																

#### 7502 - Test Cell Facility Preparations



7502-020	Resurface TC floor**DELETED**	11JAN07*	42	09MAR07	09MAR07		558	0.00		0.00																																				
7502-030	TC Floor firesealing**DELETED**	12MAR07	42	08MAY07	08MAY07		558	0.00		0.00																																				
7502-035	Control room firesealing**DELETED**	09MAY07	42	09JUL07	09JUL07		558	0.00		0.00																																				

#### 7503 - Machine Assembly

##### Revised Assembly Logic (ecp18)

7503-010	Begin Assembly Activities	01OCT07*	0				254	0.00		0.00																																				
7503-020	Install & Level Support Base Plates	01OCT07	8	10OCT07	10OCT07	2	254	0.00		68,122.20	EA/EM =60hr ; EM/TB =480hr ;												EM//SM =120hr ;																							
7503-030	Install/Level FPA's and Spool Piece supports	11OCT07	15	31OCT07	31OCT07	2	254	0.00		136,244.40	EA/EM =120hr ; EM/TB =960hr ;												EM//SM =240hr ;																							
7503-060	Install Lower PF 4,5&6 into prelim position	31MAR08	2	01APR08	01APR08		169	0.00		4,887.04	EM//SM =16hr ; EM//TB =32hr ;																																			
7503-070	Install 3 Spool Pieces on fixt & test movement	01NOV07	10	14NOV07	14NOV07		254	0.00		45,414.80	EA/EM =40hr ; EM//TB =320hr ;												EM//SM =80hr ;																							
7503-080	FPA-1 Installed on support platform	0	09APR08	19DEC07			158	0.00		0.00																																				
7503-090	Install local Platforms around FPA-1	10APR08	5	16APR08	04JAN08	2	164	0.00		45,414.80	EA/EM =40hr ; EM//TB =320hr ;												EM//SM =80hr ;																							
7503-110	FPA-2 Installed on support platform	0	24JUN08	03MAR08			105	0.00		0.00																																				
7503-120	Test movement of FPA-1& -2 & position checks.	25JUN08	5	01JUL08	10MAR08		105	0.00		22,707.40	EA/EM =20hr ; EM//TB =160hr ;												EM//SM =40hr ;																							
7503-130	Install local Platforms around FPA-2	25JUN08	3	27JUN08	06MAR08		113	0.00		45,414.80	EA/EM =40hr ; EM//TB =320hr ;												EM//SM =80hr ;																							
7503-150	FPA-3 Installed on support platform	0	30JUL08	09JUN08			85	0.00		0.00																																				

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	Forecast
	zECP-50 baseline
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08																																																																																			
											M				J				J				A				S				O				N				D				J				F				M				A				M				J				J				A				S				O				N				D				J				F				M				A				M				J				J			
730.8200	PTP and Cooldown	29JAN09	10	11FEB09	12DEC08		85	0.00		70,850.40																																																																																																												
<b>76 - Tooling Design &amp; Fabrication</b>																																																																																																																						
<b>Job: 7601 - Tooling Design &amp; Fabrication</b>																																																																																																																						
713.020	Lab Fab/Assy/Installation	01OCT07*	329*	30JAN09	30JAN09		171	0.00		32,704.75	PERRY=80;em//sm=42;em//tb=140																																																																																																											
713.030	Tooling,assy fixtures,misc equipt	01OCT07*	329*	30JAN09	30JAN09		171	0.00		84,804.26	41=\$60k																																																																																																											
713.040	General procurements	01OCT07*	329*	30JAN09	30JAN09		171	0.00		63,603.19	41=\$45k																																																																																																											
713.050	Welding tools, materials & equipt	01OCT07*	329*	30JAN09	30JAN09		171	0.00		56,536.17	41=\$40k																																																																																																											
<b>8 - Project Oversight and Support</b>																																																																																																																						
<b>81 - Project Management and Control</b>																																																																																																																						
<b>Job: 8101 - Project Management &amp; Control-NEILSON</b>																																																																																																																						
<b>FY04 Actual Cost</b>																																																																																																																						
M-0110	CD-2		0	03FEB04A	03FEB04A			0.00		0.00																																																																																																												
810.009	PDR Support	01OCT03A	3*	31OCT03A	31OCT03A			41,163.08	100	41,163.08																																																																																																												
M-0115	CD-3		0	16SEP04A	16SEP04A			0.00		0.00																																																																																																												
810.002	Project Management Office PPPL FY04	01OCT03A	256*	30SEP04A	30SEP04A			685,961.70	LOE	685,961.70																																																																																																												
810.002E	Project Management Office PPPL FY04 ECP24	01OCT03A	256*	30SEP04A	30SEP04A			146,000.00	LOE	146,000.00																																																																																																												
<b>Prior Costs</b>																																																																																																																						
810.001	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A			387,340.00	100	387,340.00																																																																																																												
810.003	Project Management Office PPPL FY05	01OCT04A	251*	30SEP05A	30SEP05A			696,116.95	LOE	696,116.95																																																																																																												
810.004	Project Management Office PPPL FY06	03OCT05A	249*	29SEP06	29SEP06		749	524,849.53	LOE	634,642.72	hutch=1503 85% 41=06\$K ; 35=08\$K ; strykowsky=1592 90% ; pam=312 15% ; phil=0%																																																																																																											
810.005	Project Management Office PPPL FY07	02OCT06*	249*	28SEP07	28SEP07		500	0.00		640,879.96	hutch=1503 85%; strykowsky=1592 90%; pam=41																																																																																																											
810.900	Project Management Office PPPL FY08	01OCT07*	250*	30SEP08	30SEP08		250	0.00		554,496.26	hutch=1238 70%; strykowsky=1326 75% ; pam=624 30%; 35=2																																																																																																											
810.909	Project Management Office PPPL FY09	01OCT08*	163*	29MAY09	29MAY09		87	0.00		84,463.70																																																																																																												
FY05CV-41	FY05 unrecoverable cost variance	01OCT04A	251*	30SEP05A	30SEP05A			-3,000.00		-3,000.00																																																																																																												
<b>Job: 8102 - NCSX MIE Management ORNL-LYON</b>																																																																																																																						
<b>FY04 Actual Cost</b>																																																																																																																						
810.102	Project Management Office ORNL FY04	01OCT03A	256*	30SEP04A	30SEP04A			88,000.00	LOE	88,000.00																																																																																																												
<b>Prior Costs</b>																																																																																																																						
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A	30SEP03A			58,600.00	100	58,600.00																																																																																																												
810.103	Project Management Office ORNL FY05	01OCT04A	251*	30SEP05A	30SEP05A			95,368.98	LOE	95,368.98																																																																																																												

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Forecast  
 zECP-50 baseline  
 Progress Bar  
 Critical Activity

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**NCSX**  
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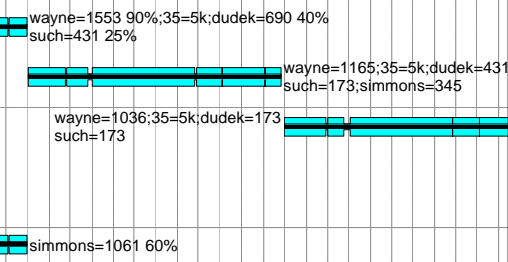
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06 FY07 FY08																
											FY06				FY07				FY08								
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
810.104	Project Management Office ORNL FY06	01OCT05A	249*	29SEP06	29SEP06		500	143,576.01	LOE	173,610.65	ORNL41 =850hr Lyon 50-% ORNL41 =2\$ ornlam=95 Admin 5%																
810.104X	Project Management Office ORNL FY07	02OCT06	249*	28SEP07	28SEP07		500	0.00		66,152.50	ORNL41 =530hr 30% ORNL41 =2\$																
810.105X	Project Management Office ORNL FY08	02OCT07*	248*	29SEP08	29SEP08		251	0.00		36,664.00	ORNL41 =180hr 10% ORNL41 =2\$ ornlam=88 5%																
FY05CV-42	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			13,000.00		13,000.00																	

## 82 - Project Engineering

### Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN

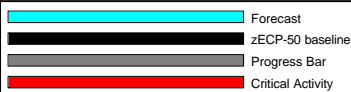
FY04 Actual Cost										
820.002	LOE FY04	01OCT03A	256*	30SEP04A	30SEP04A			601,555.68	LOE	601,555.68
8202-ECP16	ecp16	01OCT03A	256*	30SEP04A	30SEP04A			68,000.00	LOE	68,000.00
Prior Costs										
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A			295,530.00	100	295,530.00
820.003	Proj engr FY05	01OCT04A	251*	30SEP05A	30SEP05A			469,631.02	LOE	469,631.02
820.004	Proj engr FY06	03OCT05A	249*	29SEP06	29SEP06		749	364,678.50	LOE	440,965.54
820.04X	Proj engr FY07	02OCT06*	246*	25SEP07	25SEP07		503	0.00		369,690.16
820.004Z	Proj engr FY08	02OCT07*	246*	25SEP08	25SEP08		253	0.00		245,966.08
820.005	Proj engr FY09	01OCT08*	163*	29MAY09	29MAY09		87	0.00		62,798.72
8205FY05	System Engr Support FY05	01OCT04A	251*	30SEP05A	30SEP05A			199,622.00	LOE	199,622.00
8205FY06	Systems Engineering Support FY06	03OCT05A	249*	29SEP06	29SEP06		749	152,728.42	LOE	184,677.66
FY05CV-44	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			-19,000.00		-19,000.00



### Job: 8203 - Design Integration-BROWN

FY04 Actual Cost										
820.200	LOE FY04	01OCT03A	256*	30SEP04A	30SEP04A			247,570.20	LOE	247,570.20
8203-ECP16	ecp16	01OCT03A	256*	30SEP04A	30SEP04A			125,000.00	LOE	125,000.00
Prior Costs										
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A			178,750.00	100	178,750.00
8203FY05	Design Integration FY05 LOE	01OCT04A	251*	30SEP05A	30SEP05A			171,028.50		171,028.50
8203-01	General Design Integration	01OCT04A	251*	30SEP05A	30SEP05A			0.00	LOE	0.00
8203-02	Suprt interface aux sys dev&coolant/lead routing	01OCT04A	251*	30SEP05A	30SEP05A			0.00	LOE	0.00
8203-03	Develop /maintain Pro/E model of NCSX facility	01OCT04A	251*	30SEP05A	30SEP05A			0.00	LOE	0.00
8203-04	Support metrology efforts	01OCT04A	251*	30SEP05A	30SEP05A			0.00	LOE	0.00
8203-06	Complt rwv of machine assembly approach	01AUG06*	4	04AUG06	04MAY06		788	0.00		0.00

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## NCSX ECP-50 STATUS THROUGH JULY 31, 2006

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08											
											M J J A S O N D J F M A M J J A S O N D J F M A M J J J																																			
8203-07	Rvw cryostat & conventional magnet sys design	01AUG06*	9	11AUG06	11MAY06		783	0.00		0.00																																				
8203-08	tollerance reqmnts for MCsuprt install fixt dwgs	01AUG06*	39	25SEP06	23JUN06		753	0.00		0.00																																				
8203-09	Machine suprt dsn f/compatibility with assy reqt	01AUG06*	12	16AUG06	16MAY06		780	0.00		0.00																																				
8203-10	Dynamic simul MC half period install fixt w/ Pro	01AUG06*	42	28SEP06	28JUN06		750	0.00		0.00																																				
8203-11	Document NCSX Interlink& dwg control process	01AUG06*	11	15AUG06	15MAY06		781	0.00		0.00																																				
8203-12	Update definition VV spool piece assy simul	01AUG06*	19	25AUG06	25MAY06		773	0.00		0.00																																				
8203FY06	Design Integration FY06	03OCT05A	249*	29SEP06	29SEP06		749	115,946.76	LOE	140,201.64													ea//sm=432 25% brown=518 30%																							
8203FY07	Design Integration FY07	02OCT06*	249*	28SEP07	28SEP07		500	0.00		194,212.84													ea//sm=604 brown=690;																							
FY05CV-45	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			-36,000.00		-36,000.00																																				

**Job: 8204 - Systems Analysis-BROOKS**

**FY04 Actual Cost**

820.174	LOE FY04	01OCT03A	172*	30SEP04A	30SEP04A			133,179.00	LOE	133,179.00
8204.01	Assess magnetic material in test cell	02FEB04A	85*	28MAY04A	28MAY04A			37,080.00	100	37,080.00
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A	28MAY04A			18,540.00	100	18,540.00

**Prior Costs**

820.173	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A			44,620.00	100	44,620.00
8204FY05	Systems Analysis FY05	01OCT04A	251*	30SEP05A	30SEP05A			256,633.25	LOE	256,633.25
8204FY06	Systems Analysis FY06	03OCT05A	249*	29SEP06	29SEP06		749	186,412.17	LOE	225,407.70
8204FY06.1	Systems Analysis FY06	01MAY06A	64*	30JUN06	30JUN06			75,019.86	LOE	75,019.86
8204FY06.2	Systems Analysis FY06	01MAY06A	107*	29SEP06	29SEP06		749	15,592.37	LOE	26,074.19
8204FY07	Systems Analysis FY07	02OCT06*	122*	30MAR07	30MAR07		627	0.00	LOE	76,657.66
FY05CV-46	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			9,000.00		9,000.00

**Job: 8205 - Dimensional Control Coordination**

**Metrology**

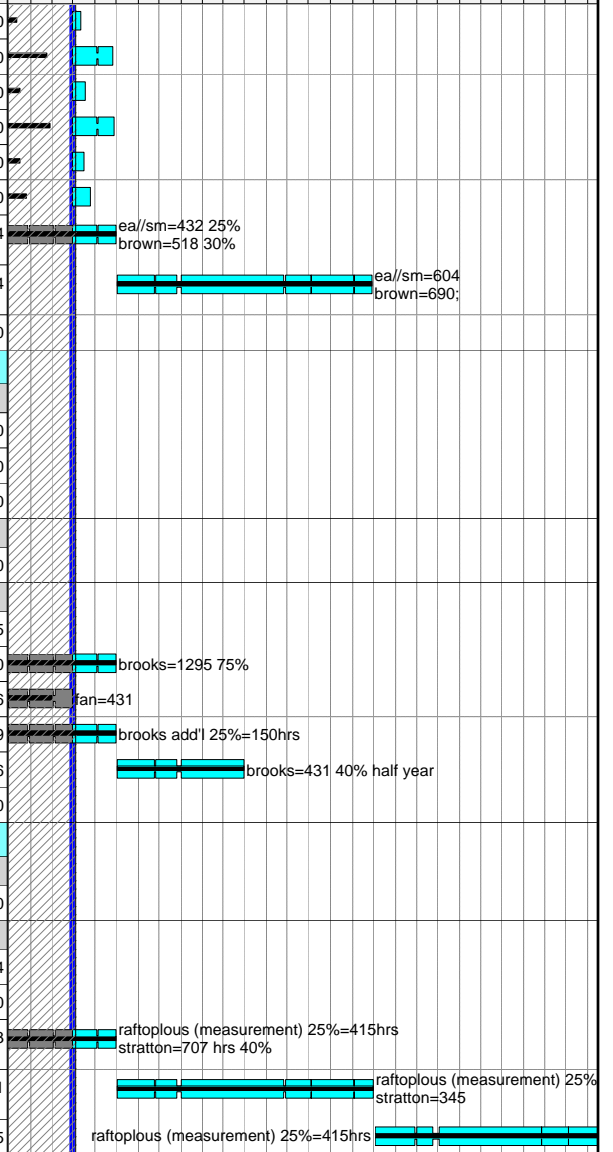
740.135	Gary Puhl subcontract for metrology support	30SEP05A	77	30SEP05A	30SEP05A			12,810.00		12,810.00
METFY05	Dimensional control FY05 ECP24	01FEB05A	172*	30SEP05A	30SEP05A			96,648.84	LOE	96,648.84
FY05CV-47	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			-20,000.00		-20,000.00
METFY06R	Metrology for FP & machine assy FY06	03OCT05A	249*	29SEP06	29SEP06		749	156,556.91	LOE	189,307.03
METFY07R	Metrology for FP & machine assy FY07	03OCT06*	249*	01OCT07	01OCT07		499	0.00		132,492.61
METFY08R	Metrology for FP & machine assy FY08	03OCT07*	247*	29SEP08	29SEP08		251	0.00		75,799.75

**84 - Project Physics**

**Job: 8401 - Project Physcis-ZARNSTORFF**

**FY04 Actual Cost**

840.202	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A	30SEP04A			99,806.20	LOE	99,806.20
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Legend:  
■ Forecast  
■ zECP-50 baseline  
■ Progress Bar  
■ Critical Activity

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**NCSX  
ECP-50 STATUS  
THROUGH JULY 31, 2006**

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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	FY06												FY07												FY08												
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J										
840.203	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A	30SEP04A			14,000.00	LOE	14,000.00																																					
<b>Prior Costs</b>																																															
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A			210,270.00	100	210,270.00																																					
FY06CV-235	ECP45 FY06 cv	01OCT05A	251*	30MAR06A	30MAR06A			530.00	100	530.00																																					
<b>Job: 8402 - Project Physics MIE ORNL-LYON</b>																																															
<b>FY04 Actual Cost</b>																																															
840.302	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A	30SEP04A			60,876.00	LOE	60,876.00																																					
840.303	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A	30SEP04A			44,000.00	LOE	44,000.00																																					
<b>Prior Costs</b>																																															
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A	30SEP03A			40,980.00	100	40,980.00																																					
FY06CV-240	ECP45 FY06 cv	01OCT05A	251*	30MAR06A	30MAR06A			610.00	100	610.00																																					
<b>85 - Integrated Systems Testing</b>																																															
<b>Job: 8501 - Integrated Systems Testing</b>																																															
920.001	Procedure and Document Preparation	29JAN08	250	28JAN09	26NOV08		85	0.00		375,573.23																																					
920.000	Startup Personnel	12DEC08	72	01APR09	10FEB09		85	0.00		435,467.96																																					
920.004	Begin Start-up Testing	12FEB09	0				85	0.00		0.00																																					
920.005	Punch list, Cmpmt PTP's, Reconfig, Rm temp Hi-pot	12DEC08	37	11FEB09	12DEC08		85	0.00		0.00																																					
920.010	Field Coil Testing, FCPC test & E-Beam Mapping	12FEB09	25	18MAR09	27JAN09		85	0.00		0.00																																					
920.020	Final ISTP	19MAR09	7	27MAR09	05FEB09		85	0.00		0.00																																					
920.021	Operations Approval	30MAR09	3	01APR09	10FEB09		85	0.00		0.00																																					
730.9000	First Plasma		0	01APR09	10FEB09		85	0.00		0.00																																					
M-0120	CD-4 First Plasma		0	31JUL09*	31JUL09*		0	0.00		0.00																																					
<b>Allocations</b>																																															
<b>PPPL Allocations</b>																																															
<b>Job: 8998 - Allocations</b>																																															
<b>FY04 Actual Cost</b>																																															
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A	30SEP04A			260,691.00	LOE	260,691.00																																					
<b>Prior Costs</b>																																															
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A	30SEP03A			112,000.00	100	112,000.00																																					

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Forecast  
 zECP-50 baseline  
 Progress Bar  
 Critical Activity

**NCSX**  
**ECP-50 STATUS**  
**THROUGH JULY 31, 2006**

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Target 1 Early Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-50 Budget Baseline	Timeline																														
											FY06				FY07				FY08																						
											M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	J			
99.05	PPPL Allocations FY05	20OCT04A	251*	30SEP05A	30SEP05A			302,697.00	LOE	302,697.00																															
99.05P	PPPL Allocations FY05 rebaeline re-estimate	01OCT04A	251*	30SEP05A	30SEP05A			48,151.80	LOE	48,151.80																															
99.06	PPPL Allocations FY06	03OCT05A	249*	29SEP06	29SEP06		749	272,715.24	LOE	329,764.50																															
99.07	PPPL Allocations FY07	02OCT06*	250*	01OCT07	01OCT07		499	0.00		332,787.44																															
99.08	PPPL Allocations FY08	01OCT07*	249*	29SEP08	29SEP08		251	0.00		166,336.61																															
FY05CV-43	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A	30SEP05A			56,000.00		56,000.00																															
<b>Contingency</b>																																									
<b>Contingency</b>																																									
<b>+ Contingency-Project</b>																																									
		02OCT06	598	27FEB09	27FEB09		151	0.00		7,873,868.33																															
<b>DCMA</b>																																									
<b>DCMA</b>																																									
DCMAFY04	DCMA	01OCT03A	256*	30SEP04A	30SEP04A			75,000.00		75,000.00																															

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Forecast  
zECP-50 baseline  
Progress Bar  
Critical Activity

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**NCSX  
ECP-50 STATUS  
THROUGH JULY 31, 2006**

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