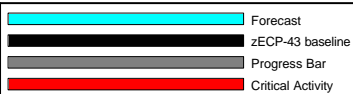


Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
11 - In-Vessel Components															
Job: 1101 - Limiter Adv Conc/Prel Dsn-**CLOSED*															
Prior Costs															
1101-100	Update Conceptual Design	15JUL03A	78*	30SEP03A			60.00	100	60.00						
12 - Vacuum Vessel Systems															
Job: 1201 - Vacuum Vessel Prelim Dsn-**CLOSED**															
Prior Costs															
1201-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A			319,050.00	100	319,050.00						
1201-003	Apr-MSept MIE Cost PPPL	01APR03A	47	30SEP03A			105,370.00	100	105,370.00						
1201-500	WBS 12 & 14 PDR		0	07OCT03A			0.00	100	0.00						
Job: 1202 - Vacuum Vessel R&D **CLOSED**															
Vessel Weld Joint R&D															
1203-405	Field Weld joint design and Specific spool piece	01DEC03A	107*	30APR04A			28,000.00	100	28,000.00						
1202-800	Inconel Procurement *ECP6*	01APR04A	10	09APR04A			1,783.60	100	1,783.60						
1202-803	Drawings for Arc/Samples *ECP6*	12APR04A	10	16APR04A			3,208.40	100	3,208.40						
1202-806	Waterjet Arcs *ECP6*	19APR04A	2	22APR04A			1,192.32	100	1,192.32						
1202-809	Machine weld groove *ECP6*	23APR04A	5	26APR04A			3,369.60	100	3,369.60						
1202-812	Anneal Samples *ECP6*	27APR04A	2	28APR04A			1,684.80	100	1,684.80						
1202-815	Setup weld test *ECP6*	29APR04A	4	30APR04A			1,192.32	100	1,192.32						
1202-818	Weld samples *ECP6*	03MAY04A	6	10MAY04A			2,527.20	100	2,527.20						
1202-821	Eval & Redesign Joint iteration 2 *ECP6*	01JUN04A	5	07JUN04A			3,208.40	100	3,208.40						
1202-824	Machine iteration 2 *ECP6*	02AUG04A	10*	13AUG04A			3,369.60	100	3,369.60						
1202-827	Anneal iteration 2 *ECP6*	16AUG04A	2	17AUG04A			1,684.80	100	1,684.80						
1202-833	Eval & redesign joint iteration 3 *ECP6*	01SEP04A	4	07SEP04A			3,208.40	100	3,208.40						
1202-836	Machine iteration 3 *ECP6*	08SEP04A	4	13SEP04A			3,369.60	100	3,369.60						
1202-839	Anneal iteration 3 *ECP6*	14SEP04A	5	20SEP04A			1,684.80	100	1,684.80						
1202-842	Weld iteration 3 *ECP6*	21SEP04A	4	24SEP04A			2,527.20	100	2,527.20						
1202-845	SOW for full size test sample *ECP6*	24MAR04A	28*	28APR04A			6,416.80	100	6,416.80						
1202-866	Engineering Oversight *ECP6*	03MAR04A	149*	30SEP04A			18,127.46	100	18,127.46						
Prior Costs															
1202-002	Apr-Sept MIE Cost ORNL	01APR03A	47	30SEP03A			60.00	100	60.00						
1202-003	Apr-Sept MIE Cost PPPL	01APR03A	47	30SEP03A			128,340.00	100	128,340.00						
1202-ECP16	ecp-16	01OCT03A	47	30SEP04A			14,600.00	100	14,600.00						
VV Subcontractor Oversight															
1202-400	Oversight and Contract Management	01OCT03A	79*	02JAN04A			62,457.20	100	62,457.20						
1202-401	Oversight and Contract Management	05JAN04A	63*	31MAR04A			48,500.66	100	48,500.66						
1202-402	Oversight and Contract Management	01APR04A	128*	30SEP04A			18,448.30	100	18,448.30						
Major Tool Subcontract (S04344F)															
1202-303	MT-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0*	13JUN03A			18,090.80	100	18,090.80						
1202-305	MT-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	15	27JUN03A			10,599.68	100	10,599.68						
1202-310	MT-Incorp Comments & Reissue MIT/QA Plan (3.2.1)	10JUL03A	0*	17JUL03A			0.00	100	0.00						
1202-315	Finalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52*	15AUG03A			0.00	100	0.00						
1202-320	MT-PPPL Fabrication Release		0	15AUG03A			0.00	100	0.00						
1202-324	MT-PVVS Begin Fabrication (3.2.2)	18AUG03A	56*	30SEP03A			388,595.48	100	388,595.48						
1202-325	MT-PVVS Complete Fabrication (3.2.2) [A/ 1]	10NOV03A	122*	23APR04A			375,115.28	100	375,115.28						
1202-325.1	Major Tool VVSA Prototype Received		0	23APR04A			0.00	100	0.00						
1202-325A	Vist MT for welding	01APR04A	3	01APR04A			2,566.72	100	2,566.72						
1202-326	Prep Inspection Plan for MT PVVS	30APR04A	5	30APR04A			0.00	100	0.00						

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
1202-327	PPPL Receipt Inspection of MT PVVS	14JUN04A	5	18JUN04A			13,643.36	100	13,643.36						
1202-328	Prep Inspection Report of MT PVVS	01JUL04A	5	08JUL04A			0.00	100	0.00						
1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15*	22JUL04A			6,370.00	100	6,370.00						
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15*	22JUL04A			6,370.00	100	6,370.00						
1202-335.1	Major Tool VVSA Price Proposal Received		0	22JUL04A			0.00	100	0.00						
Rohwedder Subcontract (S04345F)															
1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	0*	13JUN03A			75,815.74	100	75,815.74						
1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	76*	27JUN03A			20,409.48	100	20,409.48						
1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	10JUL03A	0*	17JUL03A			0.00	100	0.00						
1202-415	Fiinalize SOW/contract & Release MT for PVVS Fab	18JUL03A	52*	15AUG03A			0.00	100	0.00						
1202-420	RW-PPPL Fabrication Release		0	15AUG03A			0.00	100	0.00						
1202-424	RW-PVVS Begin Fabrication (3.2.2)	18AUG03A	131*	30SEP03A			151,109.14	100	151,109.14						
1202-424A	RW identify fabricator	01DEC03A	1	15DEC03A			0.00	100	0.00						
1202-424B	PPPL approve new fabricator	16DEC03A	1	31DEC03A			0.00	100	0.00						
1202-424D	PPPL visit fabricator (Jan)	01JAN04A	2	30JAN04A			0.00	100	0.00						
1202-424E	PPPL visit fabricator (Feb)	01MAR04A	2	31MAR04A			0.00	100	0.00						
1202-425	RW-PVVS Complete Fabrication (3.2.2)	01OCT03A	170	28MAY04A			311,059.84	100	311,059.84						
1202-425.1	Rohwedder VVSA Prototype Received		0	08JUN04A			0.00	100	0.00						
1202-426	Prep Inspection Plan for RW PVVS	07JUN04A	5	08JUN04A			0.00	100	0.00						
1202-427	PPPL Receipt Inspection of RW PVVS	08JUN04A	10	21JUN04A			13,643.36	100	13,643.36						
1202-428	Prep Inspection Report of RW PVVS	01JUL04A	5	08JUL04A			0.00	100	0.00						
1202-430	RW-Final MIT/QA plans for VVSA (3.3.1)	01JUL04A	15*	22JUL04A			23,709.14	100	23,709.14						
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	01JUL04A	15*	22JUL04A			15,122.38	100	15,122.38						
1202-435.1	Rohwedder VVSA Price Proposal Received		0	22JUL04A			0.00	100	0.00						
FY05CV-1	FY05 unrecoverable cost variance	01OCT04A	25*	30SEP05A			-21,000.00	100	-21,000.00						
Job: 1206 - VV Field Weld Joint R&D--**CLOSED**															
Vessel Weld Joint R&D															
1202-848	Bid,eval,award full size test sample **ECP36**	29APR04A	299*	30JUN05A			9,471.05	100	9,471.05						
1206-100	Prep Sample	01NOV04A	125*	29APR05A			1,260.24	100	1,260.24						
1206-110	Weld	01NOV04A	125*	29APR05A			298.08	100	298.08						
1206-115	Analyze	01NOV04A	10	30NOV04A			6,610.00	100	6,610.00						
FY05CV-3	FY05 unrecoverable cost variance	01OCT04A	25*	30SEP05A			-2,000.00	100	-2,000.00						
Job: 1203 - Vacuum Vessel Final Dsn-GORANSON															
Closeout PDR Design Deliverables															
1203-101	Prepare documents for PDR closeout	03NOV03A	62*	30JAN04A			7,721.40	100	7,721.40						
1203-111	Response to chits, prepare FY04 WP/WAF/Checklist	01OCT03A	25	31OCT03A			7,721.40	100	7,721.40						
1203-121	Review, revise, and approve SRD	01NOV03A	212*	31AUG04A			7,721.40	100	7,721.40						
1203-131	Complete preliminary design of insulation and he	10NOV03A	122*	31MAR04A			11,582.10	100	11,582.10						
PDR Recommendations															
1203-400	350c Bakeout Study	03NOV03A	94*	31DEC03A			25,738.00	100	25,738.00						
1203-401	Analysis & testing of tube attachment method	01DEC03A	20	31DEC03A			0.00	100	0.00						
1203-402	Determine thermal expansion vv to mcc clearance	01NOV03A	39*	31DEC03A			0.00	100	0.00						
1203-403	Determine cost of fabrication	01DEC03A	20	31DEC03A			0.00	100	0.00						
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT		0	31DEC03A			0.00	100	0.00						
Vacuum Vessel Vendor Selection															
121-6-6	Finalize tech Doc package & Resolve chits	01JUN04A	0*	30JUN04A			1,286.90	100	1,286.90						
121-6-8	Evaluate and Select VV Production Vendor	01AUG04A	0*	12AUG04A			2,891.10	100	2,891.10						

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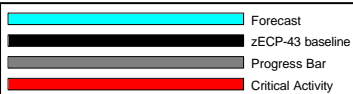
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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
121-6-83	Negotiate with vendor	17AUG04A	0*	31AUG04A			1,604.20	100	1,604.20						
121-6-85	DOE Approve VV Selection & contract	01SEP04A	11	30SEP04A			0.00	100	0.00						
121-6-9	Award VV Production Vendor (Phase funded)		0	27SEP04A			0.00	100	0.00						
121-36-9.2	Release for Fabrication		0	27SEP04A			0.00	100	0.00						
FY05 Final Design Tasks															
120-100	Magnetic Diag Interface/Instal dwgs	01FEB05A	133*	29JUL05A			18,600.00	100	18,600.00						
1203-141	Finalize Spec for VVSA	01MAR04A	87*	30JUN04A			17,981.20	100	17,981.20						
1203-151	Update VVSA Drawings incl ECP6 add'l port config	01DEC03A	149*	30JUN04A			202,403.63	100	202,403.63						
1203-161	Finalize & Sign All ICDs	20NOV03A	363*	29APR05A			16,686.55	100	16,686.55						
1203-181	Start Thermal Analyses	01NOV03A	82*	30JAN04A			22,144.76	100	22,144.76						
1203-191	Start Eddy Current Analyses	03NOV03A	87*	30JAN04A			3,424.45	100	3,424.45						
1203-201	Update/Perform FMECA Analyses	01MAR04A	284*	15APR05A			5,640.45	100	5,640.45						
1203-202	Start Port Nozzle Analysis	02JAN04A	63*	30JAN04A			4,944.00	100	4,944.00						
1203-232	Structural Analysis of Vac Vsl	01MAR04A	294*	29APR05A			94,239.96	100	94,239.96						
1203-233	Check structural analysis	26APR04A	25*	28MAY04A			12,638.08	100	12,638.08						
1203-234	Perform Global Seismic Analysis	01MAR04A	151*	31AUG04A			37,914.24	100	37,914.24						
1203-235	Perform Local Thermal Analysis	02FEB04A	65*	30APR04A			15,442.80	100	15,442.80						
1203-236	Check Local Thermal Analysis	02FEB04A	65*	30APR04A			15,442.80	100	15,442.80						
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A			10,295.20	100	10,295.20						
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	02FEB04A	65*	30APR04A			12,360.00	100	12,360.00						
1203-239	Perform Analysis of VV Supports	01MAR04A	294*	29APR05A			22,071.98	100	22,071.98						
1203-240	Check Analysis of VV Supports	26APR04A	25*	28MAY04A			5,147.60	100	5,147.60						
1203-261	Startup Plan	01OCT03A	298*	29OCT04A			26,136.92	100	26,136.92						
1203-291	Update Design Basis Document	20APR04A	29*	18MAY04A			2,059.04	100	2,059.04						
1203-301	Update Cost and Schedule Estimates	01SEP04A	42*	29OCT04A			3,404.28	100	3,404.28						
1203-311	Prepare Final Design ECP	24MAY04A	10	28MAY04A			3,088.56	100	3,088.56						
1203-321	Assemble FDR Drawing Package, Check & Promote	03MAY04A	20*	18MAY04A			4,118.08	100	4,118.08						
1203-331	Prepare Presentations	03MAY04A	20*	18MAY04A			12,869.00	100	12,869.00						
1203-341	Conduct VVSA FDR		0	19MAY04A			0.00	100	0.00						
1203-361	Final Design of Heating/Cooling	07NOV03A	269*	29APR05A			121,988.29	100	121,988.29						
1203-900	WBS 12 FDR w/o insul/htrs**		0	05MAY05A			0.00	100	0.00						
124-011	Final design WBS 124 VV supports	01JUL04A	207*	29APR05A			16,302.07	100	16,302.07						
124-011.1	Lateral VV supports	01MAR05A	11*	31MAR05A			18,600.00	100	18,600.00						
124-011.2	Analysis of Lateral supports	01FEB05A	85*	31MAY05A			6,200.00	100	6,200.00						
124-011.3	check support analysis	24MAY05A	5	31MAY05A			4,960.00	100	4,960.00						
125-001	Prelim design WBS 125 local I&C	01JAN05A	65	31MAR05A			4,030.00	100	4,030.00						
FY05CV-2	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			3,000.00	100	3,000.00						
Final Design Tasks															
1203-802A	Analysis of SXR cans and spacer	03JAN06A	21*	31JAN06A			0.00	100	0.00						
1203-241	Check FMECA Analyses	01SEP05A	155*	17APR06		865	8,101.13	80	9,867.10						
1203-271	Develop Assy Rqmnts spec & process	03APR06*	6*	10APR06		293	15,183.00	45	32,370.00						
1203-800	Issue VV FP Station 1 assy dwg	22SEP05A	135*	10APR06		373	5,711.65	85	6,682.98						
1203-801	Issue VV FP final assy dwg	01NOV05A	122*	01MAY06		358	1,687.00	25	6,748.00						
1203-802	Issue spacer field machining dwgs	01JAN06A	85*	01MAY06		358	5,398.40	80	6,748.00						
1203-806	Establish interface reqmnts	01NOV05A	112*	17APR06		865	5,735.80	85	6,748.00						
1203-820	BOM for all VV parts	03OCT05A	143*	01MAY06		855	3,795.75	75	5,061.00						
1203-803	Issue VV final assy dwg	03APR06	31*	15MAY06		272	0.00		6,748.00						
1203-804	Issue VV assy specification	11APR06	4*	14APR06		293	0.00		6,748.00						
1203-901	**WBS 12 FINAL FDR **		0	15MAY06*		348	0.00		0.00						

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package.

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
VV Personnel Access Port															
1203-950	Personnel Access Port Drawings	01OCT05A	41*	30NOV05A			0.00	100	0.00						
1203-951	Personnel Access Port Analysis	01NOV05A	20*	30NOV05A			0.00	100	0.00						
12003-952	Personnel Access Port FDR		0	30NOV05A			1,349.60	100	0.00						
124-100	Issue req & dwg package NB port cover	02AUG06*	30			319	0.00	0.00	0.00						
124-110	SPEA VV NB port cover	02AUG06	43	02OCT06			0.00	0.00	0.00						
124-120	Award VV NB port cover		0	02OCT06		319	0.00	0.00	0.00						
VV Heating/Cooling Tubing															
1203-805	Redo CC heating/cooling tube dwgs& analysis	01OCT05A	79*	31JAN06A			20,244.00	100	19,422.00						
1203-805A	Mockup and test cooling tube design	03JAN06A	21*	31JAN06A			0.00	0.00	0.00						
1203-805F	Heating/cooling tube & clamp FDR		0	31MAR06A			0.00	0.00	0.00						
1203-805G	Heating/cooling tube routing FDR		0	31MAR06A			0.00	0.00	0.00						
123-030.0	Issue Proc Pkg for VV H/C Tubing WBS 123	14APR06*	0			351	0.00	0.00	0.00						
VV Heater Tape															
122-012	Heater Tape System Design	02MAY05A	244*	20APR06		284	61,651.07	80	61,991.37						
122-013	Heater Tape System mockup & test	19DEC05A	69*	21MAR06A			0.00	100	0.00						
122-013A	Heater Tape System FDR		0	27APR06*		279	0.00	0.00	0.00						
122-012A	Issue Proc Pkg for VV Heater Tape		0	28APR06*		278	0.00	0.00	0.00						
VV Local I&C															
125-011	Final design WBS 125 local I&C	01MAR05A	289*	21APR06		364	15,406.57	90	14,424.23						
125-011P	PDR (define reqmnts & sys architecture)		0	03APR06*		875	0.00	0.00	0.00						
125-011F	FDR (Define HW & SW reqmnts)		0	21APR06*		364	0.00	0.00	0.00						
125-036	Issue Procurement Package Local I&C WBS 125	16MAY06*	0			348	0.00	0.00	0.00						
Thermal Insulation															
122-011	Final design WBS 122 Thermal insulation	01JUN04A	474*	21APR06		229	63,405.13	75	82,230.51						
122-011F	FDR Thermal Insulation		0	21APR06		229	0.00	0.00	0.00						
122-050	Prep spec and req Blanket Thermal Insulation	08MAY06*	0			219	0.00	0.00	0.00						
123-035	Issue Proc Pkg for insulation boots WBS 122	15MAY06*	0			317	0.00	0.00	0.00						
122-040	Prep spec and req Port Thermal Insulation	15MAY06*	0			358	0.00	0.00	0.00						
122-030.0	Prep spec and req Pourable Insulation	16MAY06*	0			537	0.00	0.00	0.00						
SXR Diagnostic VV Design															
1203-810	resolve design pockets for soft x ray arrays	01JAN06A	0*	31JAN06A			9,447.20	100	6,748.00						
1203-810P	soft x ray array PDR		0	28FEB06A			0.00	100	0.00						
1203-810F	soft x ray array FDR		0	28FEB06A			0.00	100	0.00						
1203-810G	Issue requisition and dwg package (hold)	03APR06*	5	07APR06		568	0.00	0.00	0.00						
Job:1204-VV Sys Procurements (non VVSA)-DUDEK															
VV Vertical Supports															
124-030.0	Release dwg package for fab VV Vertical Supports	30SEP05A	0				0.00	0.00	0.00						
124-037A	Bid award Titanium Rod ends (PE6383)	01DEC05A	45	22DEC05A			0.00	0.00	0.00						
124-037B	Deliver Titanium Rod ends (PE6383)	22DEC05A	66*				0.00	0.00	0.00						
124-037C	Deliver Misc hardware (PE 006209)	31MAR06A	60	31MAR06A			0.00	0.00	0.00						
124-037	PPPL Fab VV Vert. Supports (log # M1091)	01DEC05A	38	01MAY06		461	31,272.96	50	65,152.00						
VV Lateral Supports															
124-030L	SPEA VV Lateral Supports WBS 124	03JUL06*	43	31AUG06		315	0.00	0.00	0.00						
124-036.9L	Award VV Lateral Supports WBS 124		0	02OCT06*		294	0.00	0.00	0.00						
124-037L	VV Lateral Supports Fab by PPPL WBS 124	03OCT06	60	04JAN07		294	0.00	0.00	33,288.00						
VV Personnel Access Port															
124-130	VV NB port cover Fabrication	03OCT06	65	11JAN07		319	0.00	0.00	73,924.32						

Run Date 05MAY06 07:22

Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44

NCSX

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
VV Heating/Cooling Tubing															
123-030	Issue RFQ & Select Vendor VV H/C Tubing WBS 123	14APR06	20	11MAY06		351	0.00		0.00						
123-036.9	Award H/C Tubing WBS 123		0	11MAY06		351	0.00		0.00						
123-037	Fabricate and Deliver H/C Tubing WBS 123	12MAY06	20	09JUN06		351	0.00		61,695.00						
VV Heater Tape															
122-012B	Issue RFQ & Select Vendor for Heater Tape	01MAY06	20	26MAY06		278	0.00		0.00						
122-012C	Award Heater Tape		0	26MAY06		278	0.00		0.00						
122-012D	Fabricate and Deliver Heater Tape	30MAY06	20	26JUN06		278	0.00		0.00						
VV H/C Manifolds & Headers															
123-130.0	Issue Proc Pkg for VV H/C Manifolds WBS 123	03JAN06A	0				0.00		0.00						
123-130	Issue RFQ & Select Vendor VV H/C Manifold WBS 123	04JAN06A	40	11JAN06A			0.00		0.00						
123-136.9	Award H/C Manifolds WBS 123 (PE006419)		0	11JAN06A			0.00		0.00						
123-137	Fabricate and Deliver H/C Manifolds WBS 123	03APR06	20	28APR06		380	0.00		34,275.00						
VV Local I&C															
125-037	Procurement Local I&C WBS 125	16MAY06	60	09AUG06		348	0.00		3,290.40						
Thermal Insulation															
122-055	SPEA Blanket Thermal Insulation	08MAY06	65	08AUG06		219	0.00		0.00						
122-060	Award Blanket Thermal Insulation		0	08AUG06		219	0.00		0.00						
122-065	Deliver Blanket Thermal Insulation	09AUG06	89	14DEC06		219	0.00		0.00						
123-040	Issue RFQ & Select Vendor insul boots WBS 122	15MAY06	65	15AUG06		317	0.00		0.00						
123-045	Award Insulation Boots WBS 122		0	15AUG06		317	0.00		0.00						
123-050	Fabricate& Deliver Insul Boots WBS 122	16AUG06	130	26FEB07		317	0.00		75,405.00						
122-035	SPEA Port Thermal Insulation	15MAY06	65	15AUG06		358	0.00		0.00						
122-041	Award Port Thermal Insulation		0	15AUG06		358	0.00		0.00						
122-051	Deliver Port Thermal Insulation	16AUG06	89	21DEC06		358	0.00		0.00						
122-030	SPEA Pourable Insulation	16MAY06	65	16AUG06		537	0.00		0.00						
122-036.9	Award Pourable Insulation		0	16AUG06		537	0.00		0.00						
122-037	Deliver Pourable Insulation	17AUG06	89	22DEC06		537	0.00		63,225.00						
SXR Diagnostic VV Design															
1203-810H	RFQ, evaluate and award	10APR06	40	05JUN06		568	0.00		0.00						
1203-810J	Award		0	05JUN06		568	0.00		0.00						
1203-810K	Modify spacer	06JUN06	40	01AUG06		568	0.00		0.00						
122-031	Title III engr WBS 12 non vva	01FEB06A	667	26SEP08		252	1,629.46		25,461.76						
Job: 1250 - Vacuum Vessel Fabrication-VIOLA															
Start Up/Engineering															
VVSA-001	Process Order	24SEP04A	256*	29JUL05A			0.00	100	0.00						
VVSA-011	Sect 5.1 Segmentation Scheme	04NOV04A	5	19NOV04A			96,075.00	100	96,075.00						
VVSA-021	Sect 5.1.2 Fiducials	29NOV04A	347*				0.00	98	0.00						
VVSA-031	Sect 5.1.3 Proc Outline & Asc Procedures	24SEP04A	152	31MAY05A			121,675.78	100	121,675.78						
VVSA-035	Trinos Flanges	03OCT05A	20	31OCT05A			39,000.00	100	39,000.00						
Dies & Gages															
VVSA-041	Engineering	20SEP04A	91*	31JAN05A			0.00	100	0.00						
VVSA-051	Procure Die Materials (4 sets)	10JAN05A	59*	13MAR05A			315,000.00	100	315,000.00						
121-100	S005243 #1-Die Material Procured		0	31MAR05A			0.00	100	0.00						
VVSA-061	Machine Complete	01FEB05A	64*	29APR05A			0.00	100	0.00						
VVSA-071	Deburr	01FEB05A	64	31MAY05A			0.00	100	0.00						
VVSA-081	Inspection	01FEB05A	65	31MAY05A			340,640.00	100	340,640.00						
VVSA-091	Development Panels (9 panels)	31MAR05A	25	10JUN05A			0.00	100	0.00						

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

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Progress Status and Earned Value
Through March 31, 2006

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Reflects revised ETC Schedule forecasts.
 ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package.

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
121-115	S005243 #4-Dies Manufactured		0	10JUN05A			0.00	100	0.00						
Fixture (2) 60 degree															
VVSA-101	Engineering	25OCT04A	109*	31MAR05A			0.00	100	0.00						
VVSA-111	Procure Materials	07MAR05A	0*	30MAR05A			0.00	100	0.00						
VVSA-121	Fab & Machine	14MAR05A	36	10JUN05A			0.00	100	0.00						
VVSA-131	Assemble	28MAR05A	26	17JUN05A			0.00	100	0.00						
VVSA-141	Deburr	06MAY05A	6	20JUN05A			0.00	100	0.00						
VVSA-151	Inspection First	13MAY05A	9	23JUN05A			0.00	100	0.00						
VVA-152	Inspection Second		0	23JUN05A			0.00	100	0.00						
Fixture (3) 120 degree															
VVSA-161	Engineering	15APR05A	5	08JUN05A			0.00	100	0.00						
VVSA-171	Procure Materials	08JUN05A	5	13JUN05A			220,000.00	100	220,000.00						
121-110	S005243 #3-Fixture material procured		0	13JUN05A			0.00	100	0.00						
VVSA-181	Fab & Machine	13JUN05A	82*	29JUL05A			0.00	100	0.00						
VVSA-191	Assemble	22JUN05A	78*	29JUL05A			0.00	100	0.00						
VVSA-201	Deburr	04JUL05A	75*	29JUL05A			0.00	100	0.00						
VVSA-211	Inspection -	30JUN05A	48*	29JUL05A			0.00	100	0.00						
Panels & Ports															
VVSA-221	Procure Vessel Material	29OCT04A	127	31MAY05A			471,490.00	100	471,490.00						
121-105	S005243 #2-Vessel material procured		0	31MAY05A			0.00	100	0.00						
VVSA-231	Production Panels Period #1 LOT 4	22APR05A	94*	12AUG05A			260,000.00	100	260,000.00						
121-120	S005243 #5-1/3 of Vessel plates formed		0	23AUG05A			0.00	100	0.00						
VVSA-241	Production Panels Period #2 LOT 5	28JUN05A	69*	12SEP05A			240,000.00	100	240,000.00						
121-125	S005243 #6-Second 1/3 of vsl plates formed		0	12SEP05A			0.00	100	0.00						
VVSA-251	Production Panels Period #3 LOT 6	28JUN05A	69*	16SEP05A			240,000.00	100	240,000.00						
121-130	S005243 #7-Last 1/3 of vsl plates formed		0	16SEP05A			0.00	100	0.00						
VVSA-261	Port Ext, Misc HW Period #1 LOT 7	04APR05A	195*	09DEC05A			0.00	100	0.00						
VVSA-271	Port Ext, Misc HW Period #2 LOT 8	04APR05A	237*	12DEC05A			0.00	100	0.00						
VVSA-281	Port Ext, Misc HW Period #3 LOT 9	04APR05A	237*	23JAN06A			0.00	100	0.00						
VVSA-291	Spacer & port Ext Fixture LOT 13	06JUN05A	192*	27JAN06A			0.00	100	0.00						
First 120 deg segment															
VVSA-301	1st 60 deg segment	10JUN05A	59*	12AUG05A			175,000.00	100	175,000.00						
VVSA-311	2nd 60 deg segment	23JUN05A	50*	15AUG05A			175,000.00	100	175,000.00						
VVSA-321	Join two pieces	15AUG05A	35	08SEP05A			50,000.00	100	50,000.00						
121-135	S005243 #8-One VVSA fabricated		0	08SEP05A			0.00	100	0.00						
VVSA-331	Machine for Ports	08SEP05A	0*	23SEP05A			95,000.00	100	95,000.00						
VVSA-341	Weld Ports	03OCT05A	87*	17JAN06A			75,000.00	100	75,000.00						
VVSA-361	Vacuum Test	17JAN06A	31*	17FEB06A			60,000.00	100	60,000.00						
VVSA-371	Cut Off Ports	17FEB06A	11	06MAR06A			50,000.00	100	50,000.00						
VVSA-351	Final Machine	07MAR06A	0*	24MAR06A			50,000.00	100	50,000.00						
VVSA-352	Tack on ports,weld on tube&block	27MAR06A	19*	20APR06		292	0.00	20	0.00						
VVSA-381	Inspect & Pack for Shipping LI#4	21APR06*	4	26APR06		292	0.00		23,000.00						
VVSA-391	Receive at PPPL	27APR06	3	01MAY06		292	0.00		22,560.00						
121-150	S005243 #11-Receipt/Acceptance of 1st VVSA		0	01MAY06*		292	0.00		0.00						
Second 120 deg segment															
VVSA-401	60 deg segment	12AUG05A	36*	09SEP05A			175,000.00	100	175,000.00						
VVSA-411	60 deg segment	26AUG05A	47*	07OCT05A			175,000.00	100	175,000.00						
VVSA-421	Join two pieces	07OCT05A	51*	16NOV05A			55,000.00	100	55,000.00						
121-140	S005243 #9-Second VVSA fabricated		0	16NOV05A			0.00	100	0.00						
VVSA-431	Machine for Ports	04JAN06A	0*	19JAN06A			95,000.00	100	95,000.00						

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44 **NCSX** Sheet 6 of 53
Progress Status and Earned Value
Through March 31,2006

Reflects revised ETC Schedule forecasts.
ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
VVSA-441	Weld Ports	20JAN06A	51*	23FEB06A			75,000.00	100	75,000.00						
VVSA-461	Vacuum Test	03APR06	16*	24APR06		366	0.00		60,000.00						
VVSA-471	Cut Off Ports	25APR06*	10*	08MAY06		366	0.00		50,000.00						
VVSA-451	Final Machine	09MAY06*	7*	17MAY06		366	0.00		50,000.00						
VVSA-452	Tack on ports,weld on tube&block	18MAY06	6*	25MAY06		366	0.00		0.00						
VVSA-481	Inspect & pack for Shipping LI#4	26MAY06	5	01JUN06		366	0.00		23,000.00						
VVSA-491	Receive at PPPL	02JUN06	3	06JUN06*		366	0.00		22,000.00						
121-155	S005243 #12-Receipt /Acceptance of 2nd VVSA		0	06JUN06*		366	0.00		0.00						
Third 120 deg segment															
VVSA-501	60 deg segment	30SEP05A	88*	23JAN06A			165,000.00	100	165,000.00						
VVSA-511	60 deg segment	01DEC05A	44*	31JAN06A			165,000.00	100	165,000.00						
VVSA-521	Join two pieces	23JAN06A	27	10FEB06A			45,000.00	100	45,000.00						
121-145	S005243 #10-Third VVSA fabricated		0	10FEB06A			0.00	100	0.00						
VVSA-531	Machine for Ports	16MAR06A	27*	21APR06		364	52,250.00	55	95,000.00						
VVSA-541	Weld Ports	24APR06	35*	09JUN06		364	0.00		75,000.00						
VVSA-561	Vacuum Test	12JUN06	21*	10JUL06		364	0.00		60,000.00						
VVSA-571	Cut Off Ports	11JUL06	3*	13JUL06		364	0.00		50,000.00						
VVSA-551	Final Machine	14JUL06	2*	17JUL06		364	0.00		50,000.00						
VVSA-552	Tack on ports,weld on tube&block	18JUL06	6*	25JUL06		364	0.00		0.00						
VVSA-581	5Inspect & Pack for Shipping LI#4	26JUL06	5	01AUG06		364	0.00		23,000.00						
VVSA-591	Receive at PPPL	02AUG06	3	04AUG06		364	0.00		22,000.00						
121-160	S005243 #13-Receipt/Acceptance of 3rd VVSA		0	04AUG06		364	0.00		0.00						
121-038.1	All Vacuum Vessel Sections (3) Delivered		0	04AUG06		364	0.00		0.00						
Ship Tooling															
VVSA-601	Pack Tooling for PPPL	02AUG06	5	08AUG06		808	0.00		0.00						
VVSA-611	PPPL Receive Tooling	09AUG06	4	14AUG06		808	0.00		486,000.00						
121-165	S005243 #14-Delivefy of tooling,dies,fixtures		0	14AUG06*		808	0.00		0.00						
121-031	VVSA Title III engr	21MAY04A	63*	28FEB05A			27,753.79	LOE	27,753.79						
121-034	VVSA Title III engr	01MAR05A	152*	30SEP05A			20,460.00	LOE	20,460.00						
121-034.1	VVSA Title III engr	01OCT05A	287*	22NOV06		711	39,404.24	LOE	92,715.05						
121-032	VVSA Contract oversight FY04	21MAY04A	386*	30SEP04A			20,052.50	LOE	20,052.50						
121-033	VVSA Contract oversight FY05	01OCT04A	290*	28FEB05A			75,267.38	LOE	75,267.38						
121-035	VVSA Contract oversight FY05 & FY06	01MAR05A	365*	31JAN06A			255,723.95	LOE	255,723.95						
121-035.1	ORNL fesign support during MTM Contract	01MAR05A	152*	30SEP05A			17,360.00	LOE	17,360.00						
121-035.2	ORNL design support during MTM Contract	01OCT05A	213*	31JAN06A			22,118.90	LOE	22,118.90						
121-036	Ship vac equipt from PPPL to MTM for vac testing	03OCT05A	15	31OCT05A			2,742.00	100	2,742.00						
121-037	Purchase seals and ship to MTM	25APR05A	70*	29JUL05A			42,447.20	100	42,447.20						
121-038	assist MTM testing of VVSA	17JAN06A	123*	10JUL06		355	0.00		0.00						
121-039	Design Seal Template	01MAR05A	20	31MAR05A			2,480.00	100	2,480.00						
121-141	Fabricate Seal Template and ship to MTM	01MAR05A	65	31MAR05A			4,240.11	100	4,240.11						
FY05CV-4	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-49,000.00	100	-49,000.00						

13 - Conventional Coils

Job: 1301 - TF Design-KALISH

Preliminary Design

130-000	TF PDR & FDR Engineering	01NOV04A	77*	28FEB05A			51,227.50	100	51,227.50					
1402-004	Subcontract analysis upport for PDR	01OCT03A	41*	26NOV03A			5,096.00	100	5,096.00					
1402-005	VV/MCC PDR support	01OCT03A	37*	31OCT03A			4,017.00	100	4,017.00					
1301-100	Prepare Scope Sheet & define interfaces	03NOV03A	329*	28FEB05A			1,892.90	100	1,892.90					

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EC44

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
1301-105	Prepare Interface Dwgs for ICD's	01DEC03A	230*	29OCT04A			2,798.67	100	2,798.67						
1301-140	Complete Draft SOW	02JAN04A	10	15JAN04A			4,635.00	100	4,635.00						
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	16JAN04A	2	19JAN04A			1,236.00	100	1,236.00						
1301-150	Vendor Responses	02FEB04A	102*	30APR04A			6,952.50	100	6,952.50						
1301-155	Trim Coil Layouts	01OCT03A	59*	23DEC03A			53,611.50	100	53,611.50						
1301-160	Trim Coil Leads	01DEC03A	140*	30JAN04A			6,798.00	100	6,798.00						
1301-165	PF1-PF3 Support System Layouts	01DEC03A	15	30JAN04A			20,548.50	100	20,548.50						
1301-300	Investigate Experimental Data *ECP6*	12APR04A	5	16APR04A			618.00	100	618.00						
1301-303	Prepare Test Reqmnts *ECP6*	19APR04A	61*	30JUN04A			772.50	100	772.50						
1301-318	Evaluate 3D glass *ECP6*	05APR04A	5	09APR04A			618.00	100	618.00						
1301-170	New Lead Details	01DEC03A	10	23DEC03A			13,596.00	100	13,596.00						
1301-175.1	Evaluate Design as Cost Savings	01AUG04A	3	31AUG04A			0.00	100	0.00						
1301-175.2	Revised Design Stress Analysis	02AUG04A	5	31AUG04A			3,822.00	100	3,822.00						
1301-175.3	Layout New Wedge Concept	02AUG04A	5	31AUG04A			4,944.00	100	4,944.00						
1301-175.4	Develop Comparison	02AUG04A	4	31AUG04A			0.00	100	0.00						
1301-175.5	Cost Estimate for Wedge Concept	02AUG04A	43*	30SEP04A			0.00	100	0.00						
1301-175.6	Review Revised TF Concept	01SEP04A	1	30SEP04A			0.00	100	0.00						
1301-175.7	Complete PDR Drawings	01SEP04A	62	30NOV04A			12,928.71	100	12,928.71						
1301-175.8	Rerun Analysis	01SEP04A	42*	29OCT04A			6,370.00	100	6,370.00						
1301-180	Update ANSYS model & structure	03NOV03A	142*	27FEB04A			8,263.62	100	8,263.62						
1301-185	FEA Analysis Coils, Stress deflection	01DEC03A	123*	28MAY04A			12,229.00	100	12,229.00						
1301-195	Seismic Analysis	26NOV03A	104*	30APR04A			12,229.00	100	12,229.00						
1301-190	FEA Analysis PF Supports, Stress Deflection	01MAR04A	108*	30JUN04A			9,783.20	100	9,783.20						
1301R-00	Oversight, supervision, job management	02JUL04A	104*	01NOV04A			53,476.00	100	53,476.00						
1301R-03	ReEvaluate Analysis, Dahlgren	02JUL04A	15	22JUL04A			18,540.00	100	18,540.00						
1301R-04	Is Insulation Scheme Acceptable ?	23JUL04A	1	23JUL04A			0.00	100	0.00						
1301R-05	Change Insulation Scheme	26JUL04A	1	26JUL04A			1,236.00	100	1,236.00						
1301R-06	Prepare Test Spec	27JUL04A	3	29JUL04A			0.00	100	0.00						
1301R-17	Insulation Voltage Standoff Evaluation	29JUL04A	2	30JUL04A			0.00	100	0.00						
1301R-22	Hydraulic Analysis	21JUN04A	10	02JUL04A			12,360.00	100	12,360.00						
1301R-24	Launching Load Evaluation	06JUL04A	15	23JUL04A			0.00	100	0.00						
1301R-28	TF Defelction vs Island Study	05JUL04A	10	16JUL04A			0.00	100	0.00						
1301R-29	Review SRD	30JUN04A	106*	30NOV04A			0.00	100	0.00						
1301R-19	Add New Pusher Support Structure	01AUG04A	2	31AUG04A			0.00	100	0.00						
1301R-23	Document and Summerize Analysis	01OCT04A	79*	31JAN05A			5,192.00	100	5,192.00						
1301R-25	Final Determination of Launching Loads	01AUG04A	1	31AUG04A			1,274.00	100	1,274.00						
1301R-26	Final Launch Load Analysis	02AUG04A	3	31AUG04A			3,822.00	100	3,822.00						
1301R-27	Obtain Stresses from Deflection Analysis	01AUG04A	2	31AUG04A			2,548.00	100	2,548.00						
1301R-32	Prelim ICDs	01OCT04A	99*	28FEB05A			0.00	100	0.00						
1301R-33	Prepare PDR Material	08NOV04A	73*	04FEB05A			2,548.00	100	2,548.00						
1301R-20	TF PDR		0	07FEB05A			0.00	100	0.00						
1301R-07	Procure Test Services	01SEP04A	42*	29OCT04A			2,558.00	100	2,558.00						
1301R-08	Test Materials at CTD	01OCT04A	51*	30NOV04A			0.00	100	0.00						
1301R-09	Order Sample Materials	31JAN05A	0*	31JAN05A			0.00	100	0.00						
1301R-10	Check or Re-Run Analysis with new data	01DEC04A	10	31DEC04A			13,220.00	100	13,220.00						
1301R-11	Design Test Fixtures	01JAN05A	10	31JAN05A			6,610.00	100	6,610.00						
1301R-13	Update Cost and Schedule	07FEB05A	0*	07FEB05A			0.00	100	0.00						
1301R-14	Build Samples	01JAN05A	41*	28FEB05A			12,602.40	100	12,602.40						
1301R-99	Chit resolution, design, analysis (ecp24 plg)	01FEB05A	0*	28FEB05A			91,000.00	100	91,000.00						
Final Design															
1301FD-01	TF Detailed Drawings	01MAR05A	62	31MAY05A			19,830.00	100	19,830.00						

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
1301FD-02	Develop Subassembly Process	01MAR05A	57	31MAY05A			0.00	100	0.00						
1301FD-09	Electrical Test 1st Sample	01MAR05A	2	31MAR05A			596.16	100	596.16						
1301FD-10	Ship 1st Sample	01MAR05A	5	31MAR05A			0.00	100	0.00						
1301FD-11	Machine Copper Bars 2nd Sample	01MAR05A	1	31MAR05A			596.16	100	596.16						
1301FD-12	Turn to Turn and Ground Wrap 2nd Sample	01MAR05A	7	31MAR05A			8,346.24	100	8,346.24						
1301FD-13	Impregnate and Complete Sample 2nd Sample	01MAR05A	3	31MAR05A			3,576.96	100	3,576.96						
1301FD-14	Update Analysis for Front Puller	01MAR05A	3	31MAR05A			3,843.00	100	3,843.00						
1301FD-15	Lead Transition Stress Analysis	01MAR05A	44*	29APR05A			5,124.00	100	5,124.00						
1301FD-16	Honeycomb InsulationStress Analysis	01MAR05A	4	31MAR05A			5,124.00	100	5,124.00						
1301FD-18	Electrical Test 2nd Sample	01MAR05A	1	31MAR05A			0.00	100	0.00						
1301FD-19	Ship 2nd Sample	01MAR05A	5	31MAR05A			0.00	100	0.00						
1301FD-20	Test 1st Sample	01MAR05A	44*	29APR05A			21,162.00	100	21,162.00						
1301R-12	Build Test Fixture	01FEB05A	43*	31MAR05A			6,610.00	100	6,610.00						
1301FD-01B	Redesign Lead Stems	01MAR05A	62	31MAY05A			0.00	100	0.00						
1301FD-01C	Lead Stem Detail Dwg	01MAR05A	87*	30JUN05A			0.00	100	0.00						
1301FD-01D	Test Lead Stem Support Blocks	01JUN05A	87*	30JUN05A			0.00	100	0.00						
1301FD-04	Final Drawing Check	01MAR05A	57	31MAY05A			6,610.00	100	6,610.00						
1301FD-06	Complete ICDs	01MAR05A	106*	29JUL05A			0.00	100	0.00						
1301FD-17	Resolve Tolerance Issues	01MAR05A	97*	15JUL05A			6,610.00	100	6,610.00						
1301FD-21	Test 2nd Sample	01APR05A	72*	13JUL05A			21,162.00	100	21,162.00						
1301FD-03	Layout Subassembly Fixture	25MAY05A	26*	30JUN05A			5,288.00	100	5,288.00						
1301R-31	Review and Approve Coil Spec	31MAY05A	1	31MAY05A			0.00	100	0.00						
1301FD-70	TF Conductor FDR		0	09JUN05A			0.00	100	0.00						
131-012C	Wedge Casting FDR		0	13JUL05A			0.00	100	0.00						
1301FD-08	Resolove PDR Chits	01MAR05A	144*	31AUG05A			0.00	100	0.00						
1301FD-22	Evaluate Results	01APR05A	121*	31AUG05A			0.00	100	0.00						
131-012	Comprehensive WBS 13 TF FDR		0	12AUG05A			0.00	100	0.00						
1301FD-50	Engineering LOE	02APR05A	150*	30SEP05A			49,575.00	100	49,575.00						
Prior Costs															
163-001	Title I design CS sprt struc	01DEC03A	341*	30SEP04A			45,035.13	100	45,035.13						
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A			0.00	100	0.00						
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A			91,660.00	100	91,660.00						
1301-FY04	FY04 cost variance	01OCT03A	64*	30SEP04A			27,000.00	100	27,000.00						
FY05CV-5	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			120,000.00	100	120,000.00						
Subcontract Procurement Plan															
1301FD-05	Analysis Check	01MAR05A	295*	01MAY06		855	25,767.14	95	26,618.23						
1301R-37	Prepare Coil Spec	01MAR05A	231*	09JAN06A			0.00	85	0.00						
131-300	Write Statement of work	10JAN06A	5	16JAN06A			0.00		0.00						
131-305	Approve Specification	10JAN06A	5	16JAN06A			0.00		0.00						
131-310	Approve statement of work	16JAN06A	5	23JAN06A			0.00		0.00						
131-315	Vendor Info Meeting		0	10JAN06A			0.00		0.00						
131-320	Source Selection Plan	05JAN06A	5	11JAN06A			0.00		0.00						
131-325	Disposition of chits	12JAN06A	7	20JAN06A			0.00		0.00						
131-330	Update Assembly Drawings	12JAN06A	5	18JAN06A			0.00		0.00						
131-335	Assembly Drawings Approval	19JAN06A	2	20JAN06A			0.00		0.00						
131-345	Complete Procurement Package		0	23JAN06A			0.00		0.00						
131-350	Issue RFP		0	07FEB06A			0.00		0.00						
131-355	Proposals due		0	10MAR06A			0.00		0.00						
131-360	Initial Proposal rating		0	20MAR06A			0.00		0.00						
131-365	Project manager decision		0	03APR06*		492	0.00		0.00						

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
131-370	Subcontract negotiations complete		0	25APR06*		482	0.00		0.00						
131-375	DOE approve package		0	27APR06		482	0.00		0.00						
131-380	Contract Award		0	11MAY06		482	0.00		0.00						
Job: 1350 TF Coil Fab Preparation-CHRZANOWSKI															
FY05CV-7	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			135,000.00		135,000.00						
1350-100	Design tooling & winding facility	01MAR05A	152*	31AUG05A			96,961.10	100	96,961.10						
1350-500	Recondition turnkng fixture	21MAR05A	88*	30JUN05A			33,232.20	100	33,232.20						
1350-600	Build Cleanroom	28MAR05A	174*	30NOV05A			45,265.84	100	44,291.53						
1350-605	Install winding table	01JUN05A	50*	30JUN05A			24,655.80	100	24,655.80						
1350-610	Setup copper delivery system	03OCT05A	15	31OCT05A			11,240.32	100	11,240.32						
1350-615	Install taping machine	01OCT05A	15	31OCT05A			11,240.32	100	11,240.32						
1350-100.1	Design tooling & winding facility*CANCELLED*	03OCT05A	88*	31MAR06A			46,614.85	100	49,050.02						
1350-505	Winding Clamps	02MAY05A	174*	23DEC05A			21,766.78	100	21,251.86						
1350-510	Taping Machine Conditioning*CANCELLED*	01DEC05A	6	31MAR06A			24,976.48	100	31,220.60						
1350-515	Winding mandrel*CANCELLED*	01JUL05A	131*	31MAR06A			10,128.37	100	30,930.60						
1350-520	Misc tools & equip*CANCELLED*	08SEP05A	103*	31MAR06A			32,417.45	100	45,605.41						
1351-089	Fab Lift Fixture	03OCT05A	163*	30MAY06		835	8,795.52	75	11,727.36						
1350-620	Complete setup of facility *CANCELLED*		0	31MAR06A			0.00		0.00						
1350-525	TF mold (2) *CANCELLED*	31MAR06A	44	31MAR06A			0.00		123,390.00						
1351-080	Design Assy Fixture*CANCELLED*	31MAR06A	20	31MAR06A			0.00		32,432.40						
1351-086	Fab/Assemble Fixture*CANCELLED*	31MAR06A	19	31MAR06A			0.00		43,708.00						
1351-088	Setup Wedge Casting Fixture & test*CANCELLED*	31MAR06A	5	31MAR06A			0.00		19,545.60						
Job: 1351 - TF Coil Fabr Supplies-KALISH															
TF Materials & Supplies															
FY05CV-8	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			14,000.00		14,000.00						
1301FD-72	TF Conductor Procurement Package approved	31MAY05A	5	31MAY05A			0.00	100	0.00						
1301FD-74	Prepare & issue TF Conductor RFP	31MAY05A	23*	03JUN05A			0.00	100	0.00						
1301FD-76	Evaluate bids and award TF conductor	06JUN05A	0*	30JUN05A			0.00	100	0.00						
1301FD-77	Award TF conductor		0	30JUN05A			0.00	100	0.00						
1301FD-78	TF Wedge Plate procurement package approved	29JUL05A	5	29JUL05A			0.00	100	0.00						
1301FD-80	Prepare and Issue TF Wedge Plate RFP	12AUG05A	5	18AUG05A			0.00	100	0.00						
1351-529	Coil Supplies- Deliver Copper Conductor(PE005935	01JUL05A	123*	23DEC05A			133,864.50	100	133,864.50						
1351-531	Coil Supplies- G-11 fillers (PE006162)	03JAN06A	29*	31JAN06A			89,115.00	100	89,115.00						
1351-525	Coil Supplies- Insulation (PE6299)	03JAN06A	65	03JUL06		479	91,034.40	83	109,680.00						
1351-533	Coil Supplies- Lead Blocks(pe6134 for copper)	03SEP05A	151*	13APR06		502	32,025.00	M&S	53,322.27						
1301FD-82	Update spec, rebid and award Wedge Plate Fabr*CA	31MAR06A	41	31MAR06A			0.00		0.00						
1351-85C	Award TF Castings*CANCELLED*		0	31MAR06A			0.00		0.00						
1351-85D	Vendor Fab TF Castings*CANCELLED*	31MAR06A	100	31MAR06A			0.00		271,458.00						
1351-527	Coil Supplies- Epoxy*CANCELLED*	05JUL06	324*	17OCT07		479	0.00		82,407.22						
1351-535	Coil Supplies- Safety & PPE equip & supplies*CA	31MAR06A	88	31MAR06A			0.00		10,968.00						
1351-537	Coil Supplies- Misc supplies*CANCELLED*	31MAR06A	88	31MAR06A			0.00		10,968.00						
1351-541	VPI Supplies- Misc VPI supplies*CANCELLED*	31MAR06A	88	31MAR06A			0.00		10,968.00						
1351-543	VPI Supplies- Disposable VPI HW*CANCELLED*	31MAR06A	107	31MAR06A			0.00		83,167.08						
Job: 1361 - TF Fabrication-KALISH															
TF Title III and Fabrication Oversight															
131-031	Title III engr (FDR through 1st coil test 75%)	10OCT05A	182*	03JUL06		525	43,387.13	LOE	67,476.10						
131-032	Title III engr (completion of coils 10%)	07SEP06	286	26OCT07		480	0.00		33,566.50						
131-033	Winding operations field oversight	03APR06*	376*	28SEP07		500	0.00		26,015.14						

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Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
TF Fabrication Contract															
1361C-001	Contract Awarded	15MAY06*	0			368	0.00		0.00						
1361C-005	Tooling & Development	15MAY06	111*	16OCT06		763	0.00		0.00						
1361C-010	Materials	15MAY06	111*	16OCT06		368	0.00		0.00						
1361C-101	Fab, Test & Deliver Coil #1	17OCT06*	34	01DEC06		368	0.00		0.00						
1361C-102	Fab, Test & Deliver Coil #2	04DEC06*	34	19JAN07		334	0.00		0.00						
1361C-103	Fab, Test & Deliver Coil #3	22JAN07*	20	16FEB07		314	0.00		0.00						
1361C-104	Fab, Test & Deliver Coil #4	19FEB07*	15	09MAR07		314	0.00		0.00						
1361C-105	Fab, Test & Deliver Coil #5	12MAR07*	10	23MAR07		304	0.00		0.00						
1361C-106	Fab, Test & Deliver Coil #6	26MAR07*	10	06APR07		294	0.00		0.00						
1361C-107	Fab, Test & Deliver Coil #7	09APR07*	10	20APR07		334	0.00		0.00						
1361C-108	Fab, Test & Deliver Coil #8	23APR07*	10	04MAY07		324	0.00		0.00						
1361C-109	Fab, Test & Deliver Coil #9	07MAY07*	10	18MAY07		314	0.00		0.00						
1361C-110	Fab, Test & Deliver Coil #10	21MAY07*	10	04JUN07		314	0.00		0.00						
1361C-111	Fab, Test & Deliver Coil #11	05JUN07*	10	18JUN07		304	0.00		0.00						
1361C-112	Fab, Test & Deliver Coil #12	19JUN07*	10	02JUL07		294	0.00		0.00						
1361C-113	Fab, Test & Deliver Coil #13	03JUL07*	10	17JUL07		304	0.00		0.00						
1361C-114	Fab, Test & Deliver Coil #14	18JUL07*	10	31JUL07		294	0.00		0.00						
1361C-115	Fab, Test & Deliver Coil #15	01AUG07*	10	14AUG07		284	0.00		0.00						
1361C-116	Fab, Test & Deliver Coil #16	15AUG07*	10	28AUG07		284	0.00		0.00						
1361C-117	Fab, Test & Deliver Coil #17	29AUG07*	10	12SEP07		274	0.00		0.00						
1361C-118	Fab, Test & Deliver Coil #18	13SEP07*	10	26SEP07		264	0.00		0.00						
Job: 1302 - PF Design -KALISH															
TF I&C															
133-010	Design WBS 134 Conv Coil I&C	01MAR05A	277*	06APR06		588	1,354.06	10	13,418.02						
133-011	Design WBS 134 Conv Coil I&C FDR		0	06APR06*		872	0.00		0.00						
FY05CV-6	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-22,000.00		-22,000.00						
1302-PF	Start PF Preliminary Design	01MAR05A	145	30SEP05A			7,601.50	100	79,032.67						
133-012	Specification for PF coils	03APR06*	0*	31MAR06		422	0.00		0.00						
1302-PFX	Complete PF Preliminary Design	03MAR06A	65*	02JUN06		422	22,276.20	35*	0.00						
141-012	PF PDR		0	02JUN06		422	0.00		0.00						
1302-CSS	PF Final Design	05JUN06	40*	31JUL06		422	0.00		157,228.24						
1301-137	PF FDR		0	31JUL06		422	0.00		0.00						
Job: 1352 - PF Coil Procurement-KALISH															
PF Coil Fabrication															
141-035	Bid & Award PF Coils	27AUG07*	45	29OCT07		154	0.00		0.00						
141-036	PF Coils Awarded		0	29OCT07		154	0.00		0.00						
1352-100	Material & leads	30OCT07	75	22FEB08		154	0.00		264,140.00						
1352-110	Tooling for PF 4	30OCT07*	25	05DEC07		189	0.00		73,762.50						
1352-115	Tooling for PF 5	06DEC07	25	18JAN08		189	0.00		73,762.50						
1352-120	Tooling for PF 6	21JAN08	25	22FEB08		226	0.00		73,762.50						
1352-105	Tooling for PF 1,2 and 3 NOT REQ'D USE PF1a	25FEB08	30	04APR08		374	0.00		0.00						
1352-140	Fabricate/Divr PF 4 lower	25FEB08	10	07MAR08		154	0.00		55,848.75						
1352-145	Fabricate/Divr PF 5 lower	10MAR08	15	28MAR08		154	0.00		41,817.00						
1352-150	Fabricate/Divr PF 6 lower	31MAR08	15	18APR08		154	0.00		41,817.00						
1352-155	Fabricate/Divr PF 4 upper	21APR08	10	02MAY08		176	0.00		41,817.00						
1352-160	Fabricate/Divr PF 5 upper	05MAY08	15	23MAY08		176	0.00		41,817.00						
1352-165	Fabricate/Divr PF 6 upper	27MAY08	15	16JUN08		176	0.00		41,817.00						

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Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
1352-125	Fabricate/Dlvr PF 1 NOT REQD USE PF1a	03APR06	15	21APR06		846	0.00	0.00							
1352-130	Fabricate/Dlvr PF 2 NOT REQD USE PF1a	24APR06	15	12MAY06		846	0.00	0.00							
1352-135	Fabricate/Dlvr PF 3 NOT REQD USE PF1a	03APR06	15	21APR06		861	0.00	0.00							
1352-135X	Refurbish NSTX PF1a	01OCT07*	5	05OCT07		338	0.00	1,331.52							
722.010	PF Coil receipt inspect/test (formerly wbs 183)	25FEB08	0*	22FEB08		404	0.00	31,275.16							
141-031	Title III engr WBS 132	27AUG07*	268	22SEP08		256	0.00	112,977.05							
Job: 1354 - Trim Coil Design &Procurement-KALISH															
Trim Coils															
1303-TRIM	Trim Coil Design	07SEP06*	88	18JAN07		225	0.00	42,330.68							
1303-136	Trim Coil PDR		0	07NOV06		234	0.00	0.00							
1303-137	Trim Coil FDR		0	18JAN07		225	0.00	0.00							
184-035	Bid & Award Ext Trim Coils	19JAN07	45	22MAR07		225	0.00	0.00							
184-036	Award External Trim Coils		0	22MAR07		225	0.00	0.00							
184-037	External Trim Coil Procurement/Fab*ecp16	23MAR07	87	25JUL07		225	0.00	34,275.00							
184-015	Title III WBS 133 Rxt Trim Coils	19JAN07	147	15AUG07		531	0.00	26,834.06							
Job: 1303 -Centrol Solenoid Support Dsn-DAHLGREN															
1303-100	CS Support Preliminary Design	03JAN06A	77*	19APR06		337	71,454.07	83*	0.00						
1303-105	CS Sprt PDR		0	19APR06		337	0.00	0.00							
1303-110	CS Support Final Design	20APR06	75	04AUG06		337	0.00	0.00							
1303-115	CS Support FDR		0	04AUG06		337	0.00	0.00							
Job: 1353 - CS Structure Procurement-DAHLGREN															
CS Support Structure															
163-035	Bid & Award CS Support Struct	07AUG06	45	09OCT06		337	0.00	0.00							
163-036.9	Award CS Support Structure		0	09OCT06*		337	0.00	0.00							
163-037	CS Support Structure Procurement/Fab	10OCT06*	249	08OCT07		337	0.00	205,571.79							
163-015	Title III design CS sprt struc	07AUG06	294	08OCT07		494	0.00	60,193.11							
Job: 1355 - WBS 13 I&C Proc & Coil Assy-KALISH															
TF/PF Loacl I&C															
133-015	Title III WBS 134 Conv Coil I&C	09OCT06*	130	18APR07		614	0.00	1,141.72							
133-037	Conv Coil I&C WBS 134 Proc & Install	02OCT06*	130	11APR07		465	0.00	69,587.22							
1355-100	CS and PF 1a Pre-Assy incl coil I&C procurement	09OCT07	15	29OCT07		337	0.00	20,510.40							
14 - Modular Coils															
Job: 1401 - Mod Coil Prel.Dsn**CLOSED**															
Prior Costs															
1401-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A			303,040.00	100	303,040.00						
1401-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A			0.00	100	0.00						
FY05CV-9	FY05 unrecoverable cost variance	01OCT04A	257	30SEP05A			1,000.00	100	1,000.00						
Job: 1402 - Mod.Coil Analyses**CLOSED**															
Prior Costs															
1402-002	Apr-Sept MIE Cost ORNL	01APR03A	64*	30SEP03A			84,220.00	100	84,220.00						
1402-003	Apr-Sept MIE Cost PPPL	01APR03A	64*	30SEP03A			154,920.00	100	154,920.00						
FY05CV-10	FY05 unrecoverable cost variance	01OCT04A	257	30SEP05A			0.00	100	0.00						

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Forecast
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Reflects revised ETC Schedule forecasts.
ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
Job:1404-MCWF R&D & 1st Prod Casting**CLOSED**															
Prior Costs															
1404-002	Apr-Sept YTD MIE Cost ORNL	01APR03A	64*	30SEP03A			100,220.00	100	100,220.00						
1404-003	Apr-Sept YTD MIE Cost PPPL	01APR03A	64*	30SEP03A			64,670.00	100	64,670.00						
1404-ECP16	ecp16	01OCT03A	64*	30SEP04A			93,000.00	100	93,000.00						
Prototype Design Issues															
1404-109.J	JOULE MILESTONE #1-Authorize Prototype Fab		0	20OCT03A			0.00	100	0.00						
1404-110.J	JOULE MILESTONE #3-Prototype Casting Made		0	28MAY04A			0.00	100	0.00						
3000	Issue Type C final drawings to EIO & JPP		0	30SEP04A			0.00	100	0.00						
1404-65	Fabrication oversight by Project	01OCT03A	213*	30JUN04A			132,000.00	100	132,000.00						
1404-66	Proposal evaluation & contract oversight	01AUG04A	43*	30SEP04A			15,292.26	100	15,292.26						
EIO Subcontract (S04341F)															
1404-100	EIO-Cost FY03	01MAY03A	10	30SEP03A			323,952.72	100	323,952.72						
1404-105	EIO-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A			571,337.28	100	571,337.28						
1404-106	contract balance ECP 11	01JUL04A	0*	31AUG04A			119,610.00	100	119,610.00						
1404-107	EIO-Suspend Prototype work ECP 11		0	06AUG04A			0.00	100	0.00						
3010	Vendor #1 Contract Amended	09AUG04A	0*	13AUG04A			0.00	100	0.00						
PPC-1	Engr & Flow Solidification	01SEP04A	42*	15OCT04A			21,570.00	100	21,570.00						
PPC-2	Lawton mold Assy	22SEP04A	69*	23DEC04A			227,630.00	100	227,630.00						
PPC-3	Materials	01NOV04A	41*	23DEC04A			39,150.00	100	39,150.00						
PPC-4	Build Pattern & Pour Casting	01DEC04A	0*	31DEC04A			16,610.00	100	16,610.00						
PPC-5	Clean/Inspect Heat treat Casting	01DEC04A	4	31DEC04A			0.00	100	0.00						
PPC-5C	contract resolution setaside	01DEC04A	4*	31DEC04A			30,000.00	100	30,000.00						
PPC-6	Oversight/Reporting	04AUG04A	103*	31DEC04A			27,040.00	100	27,040.00						
JP Pattern Subcontract (S04340F)															
1404-200	JPP- cost FY03	01MAY03A	10	30SEP03A			97,206.20	100	97,206.20						
1404-205	JPP-FY04 Cost Through June 30,2004 ECP 11	01OCT03A	10*	30JUN04A			417,120.34	100	417,120.34						
1404-206	JPP- July forecast ECP 11	01JUL04A	0*	31AUG04A			143,372.50	100	143,372.50						
3110	Contract balance	30SEP04A	2*	30SEP04A			74,000.00	100	74,000.00						
MCWF Fracture Analysis															
1404-FR1	Rough machine specimens, Lot 1 (17 pcs.) at PPPL	15JUL04A	10	29JUL04A			1,266.84	100	1,266.84						
1404-FR2	Machine Lot 1 specimens to ASTM spec (Crystal En	02AUG04A	10	20AUG04A			1,082.90	100	1,082.90						
1404-FR3	Test Lot 1 specimens - 17 pcs. At \$260	20AUG04A	50*	29OCT04A			5,644.07	100	5,644.07						
1404-FR4	Rough machine Lot 2 (11 specimens) at PPPL	16AUG04A	54*	29OCT04A			819.72	100	819.72						
1404-FR5	Machine Lot 2 specimens to ASTM spec. (Crystal E	01OCT04A	10	29OCT04A			960.75	100	960.75						
1404-FR6	Test Lot 2 specimens @NHMFL 11 pcs.	01OCT04A	20	29OCT04A			3,663.66	100	3,663.66						
1404-FR7	Engineering coordination	15JUL04A	76*	29OCT04A			6,298.82	100	6,298.82						
FY05CV-12	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			10,000.00	100	10,000.00						
Job: 1413 -MCWF Fracture Analysis**CLOSED**															
1413-100	Oversight	01MAR05A	35	31MAR05A	\$6,716		6,610.00	100	6,610.00						
1413-110	Cut 3 discs from proto;cut 1 into qrts (MTM)	01MAR05A	5	31MAR05A	\$9,167		7,686.00	100	7,686.00						
1413-120	Weld quartered discs (Metal Tek)	01MAR05A	3	31MAR05A	\$1,222		1,127.28	100	1,127.28						
1413-130	Machine test blanks (PPPL)	01MAR05A	7	31MAR05A	\$3,182		2,980.80	100	2,980.80						
1413-140	Wire EDM 12 specimens (Crystal)	01MAR05A	5	31MAR05A	\$833		768.60	100	768.60						
1413-150	Perform fracture tests (NHMFL)	28APR05A	0	29APR05A	\$4,333		3,996.72	100	3,996.72						
FY05CV-24	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			5,000.00	100	5,000.00						

Run Date 05MAY06 07:22

 Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44

NCSX

Sheet 13 of 53

Progress Status and Earned Value Through March 31,2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Forecast Period					
										FY05	FY06	FY07	FY08	FY09	
Job: 1405-Mod Coil Winding R&D Prep-**CLOSED**															
Prior Costs															
1405-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30MAY03A			0.00	100	0.00						
1405-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30MAY03A			168,070.00	100	168,070.00						
FY05CV-13	FY05 unrecoverable cost variance	01OCT04A	25†	30SEP05A			0.00	100	0.00						
Job: 1407 -Mod Coil Winding Facility-**CLOSED**															
Oversight and Supervision															
1407-002	Winding Facility, Tooling, Materials Oversight	01OCT03A	186*	28MAY04A			165,486.00	100	165,486.00						
1407.002.2	Winding Facility, Tooling, Materials Oversight	01JUN04A	86*	30SEP04A			110,052.00	100	110,052.00						
1407.002.3	Winding Facility, Tooling, Materials Oversight	01OCT04A	0*	29OCT04A			19,169.00	100	19,169.00						
1407-002.1	Prep Winding Facility Ops Plan(reqd for TRT FRR)	01NOV04A	10	30NOV04A			0.00	100	0.00						
Autoclave															
1407-005	Domes & cylinder Fab & Deliver (PE4226)	01DEC03A	18	23DEC03A			20,167.42	100	20,167.42						
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	31OCT03A	18	31OCT03A			509.60	100	509.60						
1407-008	Remaining Autoclave components-Deliver	01OCT03A	49	31MAR04A			11,466.00	100	11,466.00						
1407-011	Fabricate Autoclave	01OCT03A	128*	31MAR04A			159,096.96	100	159,096.96						
1407-011.1	Autoclave assembly	01JUL04A	26*	06AUG04A			17,884.80	100	17,884.80						
1407-011.2	Rebuild vacuum pumps (2)	01AUG04A	15	31AUG04A			17,884.80	100	17,884.80						
1407-012	Autoclave PTP	01SEP04A	5	30SEP04A			8,395.20	100	8,395.20						
1407.011.3	Fab & Install vacuum lines	01AUG04A	15	31AUG04A			17,884.80	100	17,884.80						
1407.011.4	Instl insulation on autoclave	02AUG04A	14	31AUG04A			16,692.48	100	16,692.48						
1407.011.5	Write autoclave PTP	01JUN04A	9	31AUG04A			811.20	100	811.20						
Prior Costs															
1407-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A			267,550.00	100	267,550.00						
1407-ECP16	ecp16	01OCT03A	64*	30SEP04A			507,000.00	100	507,000.00						
Area Preparation															
1407-200	Decon TFTR test Cell Crane	26NOV03A	20	26NOV03A			17,884.80	100	17,884.80						
1407-202	Setup facility stations	01MAR04A	118*	28MAY04A			28,477.80	100	28,477.80						
1407-204	Build cleanrooms (2) locations	02FEB04A	128*	28MAY04A			90,414.50	100	90,414.50						
1407-204.2	Build cleanroom (1 add'l) **2nd line**	02FEB04A	171*	28MAY04A			31,911.00	100	31,911.00						
Design Activities															
1407-003	Winding Facility, Tooling, Design	01OCT03A	207*	28MAY04A			111,438.60	100	111,438.60						
1407-003.1	Facility Drawings	01JUN04A	14*	18JUN04A			10,140.00	100	10,140.00						
1407-003.2	Final Drawings for winding clamps	21JUN04A	10*	30JUN04A			8,112.00	100	8,112.00						
1407-003.3	Final Drawings -type C casting supports	12JUL04A	5*	16JUL04A			4,056.00	100	4,056.00						
1407-003.4	Final Drawings -casting to ring fixture	02AUG04A	43*	30SEP04A			6,489.60	100	6,489.60						
1407-003.5	Final Drawings -Type A casting supports	29JUL04A	24*	31AUG04A			6,489.60	100	6,489.60						
1407-003.6	Final Drawings -Type B casting supports	10AUG04A	11*	24AUG04A			8,112.00	100	8,112.00						
1407-003.7	Final Drawings -casting stud fixture	01AUG04A	0*	31AUG04A			2,433.60	100	2,433.60						
1407-003.8	Misc Drawings (ecn's etc)	01AUG04A	54*	30SEP04A			12,168.00	100	12,168.00						
1407-003.9	Electrical design support/oversight	01JUN04A	86*	31AUG04A			10,140.00	100	10,140.00						
Remaining fixtures & tooling															
1407-100	Fabricate turning fixtures and coil supports	01DEC03A	166*	28MAY04A			240,604.00	100	240,604.00						
1407-100.2	Fabr turning fixt&coil supports **2nd line**	02FEB04A	128*	28MAY04A			128,200.80	100	128,200.80						
1407-110	Fabricate Winding clamp sets (125)	01MAY04A	40	28MAY04A			40,351.20	100	40,351.20						
1407-115	Fabricate Conductor payout spool system	01MAR04A	119*	28MAY04A			92,288.48	100	92,288.48						
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	01JUN04A	65*	31AUG04A			13,078.00	100	13,078.00						
1407-128	Setup facility stations 2&5	01JUN04A	86*	30SEP04A			11,923.20	100	11,923.20						

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
1407-130	Misc tools & equip FY04	02FEB04A	171*	30SEP04A			29,692.00	100	29,692.00						
1407-100.3	Fab & Instl Turning Fixt 2,3&4	01JUN04A	107*	30SEP04A			172,481.40	100	172,481.40						
1407-100.4	Electr hookup turning fixtures 2,3&4	01AUG04A	64*	30SEP04A			7,552.44	100	7,552.44						
1407-110.2	Compl Fabr Winding clamp sets (100 of 400)	12JUL04A	58*	30SEP04A			23,834.80	100	23,834.80						
1407-125	Fab Type C casting supports (6) sets	02AUG04A	15	30SEP04A			9,538.56	100	9,538.56						
1407-126	Fab Type A casting supports (6) sets	02AUG04A	65*	30SEP04A			6,706.80	100	6,706.80						
1407-127	Fab Type B casting supports (6) sets	02AUG04A	65*	30SEP04A			2,384.64	100	2,384.64						
1407-135	construct cleanroom mech and electrical	01JUN04A	22*	30JUN04A			23,846.40	100	23,846.40						
1407-199	Winding Facility ACC Rvw stations 2&5		0	15OCT04A			0.00	100	0.00						
VPI Preparations															
1407-105	Anchor VPI platforms	01JUN04A	4*	30JUN04A			5,961.60	100	5,961.60						
1407-106	Instl electric to VPI platforms & cntrl panel	01AUG04A	0*	31AUG04A			23,846.40	100	23,846.40						
1407-108	Mount mixing tanks onto VPI platforms	01SEP04A	2	30SEP04A			2,384.64	100	2,384.64						
FY05CV-16	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			23,000.00	100	23,000.00						
Job: 1412 - Complete Winding Facilities-*CLOSED*															
Remaining fixtures & tooling															
1407-100.5	Complete Fab & Instl Turning Fixt 4	23DEC04A	15	23DEC04A			19,152.28	100	19,152.28						
1407-100.6	Complete Electr hookup turning fixtures 4	23DEC04A	15	23DEC04A			3,231.72	100	3,231.72						
1407-110.3	Compl Fabr Winding clamp sets (300 of 400)	01JAN05A	97*	28FEB05A			71,388.48	100	71,388.48						
1407-124	Fab casting to ring assy fixture station 1	01OCT04A	34	29OCT04A			21,004.00	100	21,004.00						
1407-124.5	Electrical Installations	01OCT04A	0*	29OCT04A			20,269.44	100	20,269.44						
1407-126.1	Complete Fab Type A casting supports (6) sets	01OCT04A	163*	31MAR05A			17,735.76	100	17,735.76						
1407-130.1	Misc tools & equip FY05	01OCT04A	142*	29APR05A			29,820.80	100	29,820.80						
1408-999	3rd winding line conductor payout sys	01NOV04A	144*	23DEC04A			66,280.88	100	66,280.88						
1412-199	Complete Winding Facility ACC Review		0	31MAY05A			0.00	100	0.00						
1407-127.1	Complete Fab Type B casting supports (6) sets	01OCT04A	163	30JUN05A			33,235.92	100	33,235.92						
1407ECP36	ECP36 job closeout cost variance	01OCT04A	186*	01JUL05A			230,000.00	100	230,000.00						
VPI Preparations															
1407-107	Perform epoxy mixing trials with delivery sys	01NOV04A	37*	23DEC04A			5,961.60	100	5,961.60						
1407-109	Fab & assemble VPI delivery sys	01OCT04A	58*	23DEC04A			22,356.00	100	22,356.00						
FY05CV-17	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-3,000.00	100	-3,000.00						
Job: 1406 - Mod. Coil Winding R&D-**CLOSED**															
Oversight & Supervision															
1406-049	Increased cost of FDR support ECP 11	01OCT03A	20	28MAY04A			292,000.00	100	292,000.00						
1406-000	Supervision & Oversight	01OCT03A	180	28MAY04A			104,443.80	100	104,443.80						
1406-000.1	Supervision & Oversight	04JUN04A	86*	05OCT04A			112,391.38	100	112,391.38						
1406-000.2	Supervision & Oversight	01OCT04A	58*	23DEC04A			38,566.68	100	38,566.68						
1406-048	Testing & Strain Gauge Design	01OCT03A	20	31OCT03A			24,159.54	100	24,159.54						
Keystone R&D															
1406-001	Purchase 10 spools conductor (twisted racetrack)	03NOV03A	40*	23DEC03A			7,644.00	100	7,644.00						
1406-003	Purchase 8 spools conductor (long twisted windin	03NOV03A	40*	23DEC03A			7,644.00	100	7,644.00						
1406-005	Purchase epoxy & Insulation	03NOV03A	163*	30JUN04A			5,516.42	100	5,516.42						
1406-010	Keystone Test for New Conductor	02JAN04A	41*	27FEB04A			5,961.60	100	5,961.60						
1406-011	Purchase add'l copper Conductor	01MAR04A	45*	30APR04A			8,918.00	100	8,918.00						
Twisted Racetrack Hardware Fabrication															
1406-014	Bid, Evaluate and Award Casting to EIO or JPP	01DEC03A	28	23DEC03A			0.00	100	0.00						
1406-016.5	PPPL Fabricate TRC Cladding	01SEP04A	79*	23DEC04A			3,067.62	100	3,067.62						

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
1406-016.8	order trc clamps	29JUN04A	1	29JUN04A			0.00	100	0.00						
1406-016.9	fab trc clamps	02AUG04A	37	31AUG04A			24,206.00	100	24,206.00						
1406-016.A	fab trc lead components	01AUG04A	121*	31JAN05A			10,922.77	100	10,922.77						
1406-016.B	write procedures, doc mit/qa plan	09JUN04A	138*	23DEC04A			0.00	100	0.00						
1406-016	Procure casting from EIO (new scope)	02FEB04A	150*	31AUG04A			127,387.26	100	127,387.26						
Testing															
1406-029	Fab New Specimen Molds	01DEC03A	107*	30APR04A			22,809.60	100	22,809.60						
1406-029.1	Design samples	01MAR04A	15	31MAR04A			0.00	100	0.00						
1406-030	Fab & Pot samples	26JAN04A	108*	28MAY04A			30,404.16	100	30,404.16						
1406-031	Prep fixtures and test equipt	03NOV03A	141	28MAY04A			69,061.20	100	69,061.20						
1406-032	Test samples	01MAR04A	65	28MAY04A			51,018.24	100	51,018.24						
1406-50	Fab Straight Tee Specimen	21JUN04A	14*	30JUN04A			16,692.48	100	16,692.48						
1406-51	VPI Tee specimen	12JUL04A	37*	31AUG04A			7,452.00	100	7,452.00						
1406-52	Ship Tee specimen to ORNL	31AUG04A	5	31AUG04A			637.00	100	637.00						
1406-54	Complete shear modulus & cyclic testing	01JUN04A	125*	30SEP04A			32,165.38	100	32,165.38						
1406-55	Fab chill plate specimens	01JUN04A	24	30JUN04A			12,560.20	100	12,560.20						
1406-56	test chill plate specimens	01AUG04A	0*	31AUG04A			5,961.60	100	5,961.60						
1406-57	fab cooling tube/chill plate assy	01AUG04A	5	31AUG04A			6,216.40	100	6,216.40						
1406-58	fab MC lead braze specimens	01AUG04A	5	29OCT04A			2,980.80	100	2,980.80						
1406-100	Single conductor torsion test	01OCT04A	41*	30NOV04A			6,416.80	100	6,416.80						
1406-200	Transverse compression at LN2	01OCT04A	58*	23DEC04A			2,566.72	100	2,566.72						
1406-210	Dogbone test @RT	01OCT04A	5	29OCT04A			1,283.36	100	1,283.36						
1406-299	Closeout cost for testing ECP-21	01OCT03A	25	30SEP04A			239,000.00	100	239,000.00						
1406-215	4 turn racetrack fatigue tests	01JAN05A	63*	31MAR05A			40,105.00	100	40,105.00						
1406-033	Prepare Test report	01MAR05A	10	31MAR05A			12,833.60	100	12,833.60						
"inchworm" Twisted Winding															
1406-119	Join straight sections w/2 end loops	01OCT03A	79*	30JAN04A			31,590.00	100	31,590.00						
1406-120	Wind Conductor	30JAN04A	86*	28MAY04A			17,884.80	100	17,884.80						
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	30JAN04A	0				0.00	100	0.00						
Prior Costs															
1406-0002	Apr-Sep YTD MIE Cost ORNL	01APR03A	64*	30SEP03A			0.00	100	0.00						
1406-0003	Apr-Sep YTD MIE Cost PPPL	01APR03A	64*	30SEP03A			831,120.00	100	831,120.00						
FY05CV-14	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			33,000.00	100	33,000.00						
Job: 1410 MC Twisted Racetrack Fabr-**CLOSED**															
Twisted Racetrack Hardware Fabrication															
1406-016.0	Oversight & Supervision	01NOV04A	20	28FEB05A			63,337.35	100	63,337.35						
1406-01601	ECP-29	01OCT04A	55*	31MAR05A			400,000.00	100	400,000.00						
1406-01603	ECP-36 job closeout cost variance		84*	29JUL05A			305,000.00	100	305,000.00						
1403-017.D	Wind layer #1 9 turns Side b	24JAN05A	31*	28FEB05A			3,875.04	100	3,875.04						
1406-016.1	Inspect & Measure Casting	01OCT04A	20	29OCT04A			0.00	100	0.00						
1406-016.2	Install Studs	01NOV04A	5	30NOV04A			2,980.80	100	2,980.80						
1406-016.6	PPPL Fabricate TRC Chill plates	21FEB05A	12*	28FEB05A			1,381.02	100	1,381.02						
1406-016.7	Finish TRC Chill plates	01MAR05A	5	30MAR05A			4,261.80	100	4,261.80						
1406-017	Instl cladding(station 2) Side A	01DEC04A	23*	23DEC04A			5,961.60	100	5,961.60						
1406-017.1	Instl grnd wrap Side b	20DEC04A	37*	31DEC04A			9,687.60	100	9,687.60						
1406-017.C	Position & prep 1st coil lead set Side b	01JAN05A	5	03JAN05A			2,384.64	100	2,384.64						
1406-017.F	Position Ground wrap onto winding form Side a	24JAN05A	8*	28FEB05A			3,576.96	100	3,576.96						
1406-017.G	Reposition Coil Side a	28FEB05A	1	28FEB05A			1,192.32	100	1,192.32						
1406-017B	Instl cladding(station 2) Side B	03JAN05A	3*	31JAN05A			5,961.60	100	5,961.60						

Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year				
										FY05	FY06	FY07	FY08	FY09
1406-106.3	Winding Trials (wo/ cladding)	01NOV04A	37*	23DEC04A			11,923.20	100	11,923.20					
1406-01609	Rework Lead Blocks	01MAR05A	10	30MAR05A			29,946.40	100	29,946.40					
1406-017.3	Cmplt Assy of twisted racetrack (Joule milestone)		0	30MAR05A			0.00	100	0.00					
1406-017.H	complete coil winding	01MAR05A	0*	30MAR05A			35,769.60	100	35,769.60					
1406-017.J	Instl diag loops & chill plates	01MAR05A	10*	30MAR05A			23,846.40	100	23,846.40					
1406-01602	Oversight & Supervision	01APR05A	64*	30JUN05A			76,227.59	100	76,227.59					
1406-01608	Coil Clamps	01MAY05A	43*	30JUN05A			24,339.00	100	24,339.00					
1406-018	Pre-VPI Press test & Apply bag mold	11APR05A	31*	31MAY05A			15,500.16	100	15,500.16					
1406-019	VPI TRC in autoclave	02MAY05A	51*	17JUN05A			24,442.56	100	24,442.56					
1406-019.1	Instl permanent clamps	20JUN05A	9	27JUN05A			9,538.56	100	9,538.56					
1406-019.2	Electrical & Pressure tests	28JUN05A	1	30JUN05A			1,192.32	100	1,192.32					
Straight Tee Specimen														
1406-ST1	Fab Straight Tee Specimen	01OCT04A	78*	31JAN05A			11,923.20	100	11,923.20					
1406-ST2	Straight Tee VPI Prep	01JAN05A	40*	28FEB05A			5,961.60	100	5,961.60					
FY05CV-15	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-30,000.00	100	-30,000.00					
Job: 1409 - Coil Test Stand-GETTELFINGER*CLOSED*														
Test Stand														
1409-000	FY04 Oct-Mar	20OCT03A	66*	31MAR04A			213,546.02	100	213,546.02					
1409-025	Complete Design	01APR04A	0*	30APR04A			25,958.40	100	25,958.40					
1409-026	Install Electrical	01JAN04A	94*	31MAR04A			0.00	100	0.00					
1409-030	Generate I2T Reqmnts	23FEB04A	16	15MAR04A			0.00	100	0.00					
1409-032	Design I2T Protection	01APR04A	0*	30APR04A			6,028.00	100	6,028.00					
1409-034	Fabricate I2T Cards	01APR04A	42*	28MAY04A			15,795.00	100	15,795.00					
1409-036	Define N2 Ejection Scheme	23FEB04A	2	24FEB04A			0.00	100	0.00					
1409-038	Plan/Procure N2 Ejection Scheme	25FEB04A	14	15MAR04A			0.00	100	0.00					
1409-040	Install N2 Ejection Scheme	01MAY04A	85*	31AUG04A			12,740.00	100	12,740.00					
1409-100	Design Controls Modifications	08APR04A	37*	28MAY04A			46,632.00	100	46,632.00					
1409-110	ES&H Peer Review	05APR04A	1	05APR04A			0.00	100	0.00					
1409-120	Install Control Modifications	01MAY04A	42*	30JUN04A			11,923.20	100	11,923.20					
1409-140	Design Closed Loop LN2 System	02AUG04A	85*	30NOV04A			0.00	100	0.00					
1409-145	FDR closed loop LN2 syst	01DEC04A	1	23DEC04A			0.00	100	0.00					
1409-027	Cryo Line Installation	03MAY04A	248*	29APR05A			27,804.25	100	27,804.25					
1409-150	Proc Mat'l's/pump f/closed LN2	02AUG04A	141*	28FEB05A			19,182.98	100	19,182.98					
1409-155	Fab/Instl Closed Loop LN2 sys	01DEC04A	101*	29APR05A			12,602.40	100	12,602.40					
1409-029	Oversight/Supervision	01APR04A	333*	29JUL05A			35,070.86	100	35,070.86					
1409-044	Final Design & ACC Review	29APR05A	44*	30JUN05A			0.00	100	0.00					
1409-028	System Testing (planar racetrack)	01JUN05A	42*	29JUL05A			17,677.40	100	17,677.40					
1409-160	Test Closed Loop Cooling	29JUL05A	0*	29JUL05A			2,980.80	100	2,980.80					
1409-165	Closed Loop Facility Available for TRC		0	29JUL05A			0.00	100	0.00					
1409-ECP36	ECP36 job closeout cost variance	01OCT04A	205*	29JUL05A			406,000.00	100	406,000.00					
FY05CV-22	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			62,000.00	100	62,000.00					
Job: 1415 Dim Cntrl Testing-RAFTOPOLOUS*CLOSED**														
Production Modular Coils														
1415-100	Straight Tee Lacing Test	20JUN05A	19*	15JUL05A			14,850.00	100	14,850.00					
FY05CV-20	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			9,000.00	100	9,000.00					

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Forecast
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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
Job: 1419-Winding Fac. Mods-CHRZANOWSKI*CLOSED*															
1419-100	Holes in flange	01JUL05A	43*	31AUG05A			0.00	100	0.00						
1419-105	Paint Plates	29JUL05A	22	29JUL05A			0.00	100	0.00						
FY05CV-18	FY05 unrecoverable cost variance	01OCT04A	25*	30SEP05A			48,000.00	100	48,000.00						
Job: 1403 - Modular Coil Final Design-WILLIAMSON															
PDR/PBR Prep															
1403-04	Plan response to PDR chits	01OCT03A	23	31OCT03A			2,573.80	100	2,573.80						
1403-05	Prepare FY04 WP / WAF / Checklists	08OCT03A	21	14OCT03A			2,573.80	100	2,573.80						
1403-06	Prepare documents for PDR closeout	15OCT03A	52*	24DEC03A			10,295.20	100	10,295.20						
1403-07	Prepare PBR documentation	31OCT03A	19*	18NOV03A			2,573.80	100	2,573.80						
1403-08	Performance Baseline Review		0	18NOV03A			0.00	100	0.00						
Requirements/Config and Interfaces															
1403-10	Review, revise, and approve SRD	15OCT03A	160	28MAY04A			2,573.80	100	2,573.80						
1403-13	Finalize winding pack ref xsec, conductor dims	15OCT03A	45*	26NOV03A			2,573.80	100	2,573.80						
1403-14	Revise winding form and windings/asm models	15OCT03A	75*	30JAN04A			41,309.49	100	41,309.49						
Analysis - Thermal & Electrical															
1403-21	Document electrical, insulation parameters	15OCT03A	56*	19DEC03A			2,573.80	100	2,573.80						
1403-22	Update thermal analysis to current WP design	22OCT03A	51*	19DEC03A			5,147.60	100	5,147.60						
1403-23	Update thermo-hydraulic analysis of coils	01DEC03A	127*	18MAY04A			6,180.00	100	6,180.00						
1403-25	Check EM loads calculation for ref scenarios	02FEB04A	85*	18MAY04A			5,147.60	100	5,147.60						
1403-26	Perform scan of EM fault load conditions	01DEC03A	127*	18MAY04A			10,295.20	100	10,295.20						
1403-26.1	Check thermal & electrical calculations	02FEB04A	85*	18MAY04A			10,295.20	100	10,295.20						
Analysis - Structural															
141TITL2P	PDR #1,4,26 Access,Tolerance Budget,Bolting	01MAR04A	65*	18MAY04A			26,896.21	100	26,896.21						
1403-29	Complete ANSYS model of coil structure asm	15OCT03A	160*	18MAY04A			154,500.00	100	154,500.00						
1403-30	Analyze global stress /deflect winding form asm	31OCT03A	148*	18MAY04A			15,450.00	100	15,450.00						
1403-31	Analyze stress in bolted connections	01MAR04A	65*	18MAY04A			6,180.00	100	6,180.00						
1403-32	Update MECHANICA model of 3 coil types	15OCT03A	160*	18MAY04A			10,295.20	100	10,295.20						
1403-33	Anlyz wind pack deflect/stress fo thrml, EM lds	01MAR04A	65*	18MAY04A			5,147.60	100	5,147.60						
1403-34	Analyze and optimize clamp locations	01MAR04A	55*	30APR04A			5,147.60	100	5,147.60						
1403-35	Perform supporting analysis for material tests	15OCT03A	150*	30APR04A			16,727.62	100	16,727.62						
1403-36	Update EM loads for reference scenarios	01MAR04A	55*	30APR04A			10,357.62	100	10,357.62						
1403-37	Perform check og global structural analysis	01MAR04A	65*	18MAY04A			16,727.62	100	16,727.62						
1403-38	Check nonlinear winding pack analysis	01MAR04A	65*	18MAY04A			10,357.62	100	10,357.62						
1403-39	Analyze gravity, equip, seismic loading	01MAR04A	65*	18MAY04A			6,180.00	100	6,180.00						
1403-40	Analyze combined loads and fault conditions	01MAR04A	65*	18MAY04A			6,180.00	100	6,180.00						
1403-40.1	Check Structural Calculations	02FEB04A	107*	18MAY04A			9,265.68	100	9,265.68						
1403-40.1A	Prepare plate element model of coil structure	01MAR04A	65*	18MAY04A			9,265.68	100	9,265.68						
1403-40.1B	Confirm global deflection/stress, re-inf of shel	02FEB04A	85*	18MAY04A			10,295.20	100	10,295.20						
1403-40.1C	Check all struct calculkations	01MAR04A	65*	18MAY04A			9,265.68	100	9,265.68						
1403-40.2A	Develop multi-filament model of all coils	01MAR04A	65*	18MAY04A			3,088.56	100	3,088.56						
1403-40.2B	Confirm Plasma performance & surface quality	26APR04A	25*	18MAY04A			3,708.00	100	3,708.00						
1403-40.2C	Model expected deflections under thermal/EM load	26APR04A	25*	18MAY04A			6,177.12	100	6,177.12						
1403-40.2D	Confirm plasma performance & surface quality	26APR04A	25*	18MAY04A			7,416.00	100	7,416.00						
1403-41	Prepare structural analysis report	26APR04A	25*	18MAY04A			18,531.36	100	18,531.36						
Winding Form FDR Prep															
1403-03	Increase for actual cost of Final Design ECP 11	15OCT03A	118*	30JUN04A			358,000.00	100	358,000.00						
1403-43	Incorporate changes due to prototype fabr	01MAR04A	22*	31MAR04A			10,423.89	100	10,423.89						

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 Forecast
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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year				
										FY05	FY06	FY07	FY08	FY09
1403-47	Prepare failure modes assessment (FMECA)	26APR04A	68*	19MAY04A			4,504.15	100	4,504.15					
1403-50	Prepare FDR documentation / presentations	01MAY04A	9	18MAY04A			10,295.20	100	10,295.20					
1403-50.2	Prepare Prelim Bid Package	23APR04A	0*	23APR04A			0.00	100	0.00					
1403-50.5	Prelim Bid Package Released		0	23APR04A			0.00	100	0.00					
1403-51	MCWF FDR		0	19MAY04A			0.00	100	0.00					
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness		0	16SEP04A			0.00	100	0.00					
MCWF Procurement														
1403-53	Resolve FDR comments and recommendations	01JUN04A	86*	30SEP04A			15,442.80	100	15,442.80					
1403-54	Final bid package(specs,models,dwgs)	09JUN04A	17*	30JUN04A			7,976.68	100	7,976.68					
1010	Prep & Issue RFP	01JUL04A	1	01JUL04A			0.00	100	0.00					
1020	EIO & JPP Prepare and submit FPP proposal	02AUG04A	0*	02AUG04A			0.00	100	0.00					
1030.1	Review & Evaluate Proposals	03AUG04A	5	13AUG04A			21,804.00	100	21,804.00					
1030.2	Vendor Oral Presentations	16AUG04A	3	20AUG04A			0.00	100	0.00					
1030.3	Best & Final Offers	23AUG04A	2	27AUG04A			0.00	100	0.00					
1030.4	Evaluate & Make Recommendation	30AUG04A	5	30AUG04A			0.00	100	0.00					
1040	Vendor Decision		0	31AUG04A			0.00	100	0.00					
1030.5	Prepare Contract Package	01SEP04A	0*	03SEP04A			0.00	100	0.00					
1050	DOE review and PPPL Award Contract	01SEP04A	0*	30SEP04A			0.00	100	0.00					
C-081	Award MCWF Mfg Contract (phase funded)		0	30SEP04A			0.00	100	0.00					
Coil-to-coil Interface Design														
1403-11	Prepare assembly / interface drawings for ICDs	15OCT03A	268*	30SEP04A			9,304.29	100	9,304.29					
1403-12	Finalize and approve all ICDs	01MAR04A	173*	30SEP04A			4,632.84	100	4,632.84					
1403-15	Prepare winding form asm / detail drawings	03NOV03A	265*	30SEP04A			62,028.58	100	62,028.58					
1403-48	Update design basis document	26APR04A	47*	30JUN04A			15,442.80	100	15,442.80					
MCWF & Winding Analysis/Testing														
1403-ECP16	ecp16	01JUN04A	108*	30SEP04A			139,000.00	100	139,000.00					
1403-FY04	Analysis fy04	01JUN04A	108*	30SEP04A			48,083.50	100	48,083.50					
1403-27	Prepare thermal, electrical analysis report	02FEB04A	128*	30JUL04A			20,590.40	100	20,590.40					
1403-27A	Update winding pack thermal/hydraulic analysis	01JUN04A	97*	30SEP04A			20,590.40	100	20,590.40					
1403-40.3X	Modify MCWF Contract Documents & drawings	01AUG04A	43*	30SEP04A			20,590.40	100	20,590.40					
1403-42	Complete FDR Struct Analysis Report	01JUN04A	108*	30SEP04A			29,867.60	100	29,867.60					
1403-42B	Modify ORNL beam test setup provide torsional ld	01JUN04A	108*	30SEP04A			5,147.60	100	5,147.60					
1403-42C	Revise analysis incorp final modeling changes	15JUL04A	77*	30SEP04A			34,552.80	100	34,552.80					
1403-42E	Complete checking struct calculations	01AUG04A	65*	30SEP04A			17,697.60	100	17,697.60					
1403-44	Prepare final drawings for winding forms, asm	01MAR04A	75*	30JUN04A			82,232.91	100	82,232.91					
1403-45	Check and promote models / drawings	01MAR04A	97*	15JUL04A			120,456.72	100	120,456.72					
1403-46	Update build-to specification / SOW	01MAR04A	75*	30JUN04A			15,442.80	100	15,442.80					
1403-70	Complete non-linear model revisions	01SEP04A	31	30SEP04A			0.00	100	0.00					
1403-40.2X	Multifilament coils file incl leads	01OCT04A	41*	30NOV04A			6,200.00	100	6,200.00					
1403-42G	WP beam FEA modeling	01NOV04A	21	30NOV04A			3,100.00	100	3,100.00					
1403-47B	det boundary conditions single nonlinear windng	01DEC04A	22	31DEC04A			6,370.00	100	6,370.00					
1403-74	check analysis using simplified models	01OCT04A	165*	31MAY05A			39,660.00	100	39,660.00					
1403-42D	Fracture fatigue analysis for MCWF	01NOV04A	144*	31MAY05A			9,915.00	100	9,915.00					
1403-42D.0	Determine Fatigue properties	01NOV04A	144*	31MAY05A			3,305.00	100	3,305.00					
1403-42F	Perform WP beam tests at ORNL	01NOV04A	209*	31AUG05A			27,900.00	100	27,900.00					
1403-49A	Update tech sheets for new #of turns	01JUN05A	65*	31AUG05A			6,200.00	100	6,200.00					
Winding and Assembly Design-Type C														
1403-20.01	ISSUE CLADDING DWGS FOR FAB	29APR05A	1	29APR05A			0.00	100	0.00					
1403-20.04	Resolve FDR chits	25APR05A	5	25APR05A			6,200.00	100	6,200.00					
1403-201	Leads start assy Dwgs (10)-Type C	01JAN04A	420*	31AUG05A			43,339.67	100	43,339.67					

Run Date	05MAY06 07:23	 Forecast  zECP-43 baseline  Progress Bar  Critical Activity	EC44	NCSX	Sheet 19 of 53	Progress Status and Earned Value Through March 31, 2006 Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	FY					
										FY05	FY06	FY07	FY08	FY09	
1403-202	G-10 Filler DwgsType C ??????????????	01JAN04A	227*	30SEP04A			13,512.45	100	13,512.45						
1403-203	Start Clamp Dwgs (5)-Type C	01JAN05A	20	28FEB05A			23,219.00	100	23,219.00						
1403-206	Start Cooling, Electr Schematic Dwgs- Type C	01NOV04A	81*	28FEB05A			3,720.00	100	3,720.00						
1403-208	Start I&C Dwgs -Type C	01NOV04A	139*	28FEB05A			1,860.00	100	1,860.00						
1403-221	Lead ends assy-Type C	01NOV04A	208*	31AUG05A			19,220.00	100	19,220.00						
1403-222	Terminal / elec services assembly-Type C	01NOV04A	208*	31AUG05A			9,920.00	100	9,920.00						
1403-223	Start tp level coil assembly-Type C	01NOV04A	139*	28FEB05A			1,860.00	100	1,860.00						
1403-224	Start PI mold assembly-Type C	01NOV04A	127*	28FEB05A			3,720.00	100	3,720.00						
1403-42A	WP beam bending results documentation	02MAY05A	108*	30SEP05A			6,200.00	100	6,200.00						
1403-502	Lead Block dwgs apprvd for fabrication	29JUL05A	0*	29JUL05A			0.00	100	0.00						
1403-58X1	Check and promote cladding & terminal dwg-Type C	29APR05A	109*	30SEP05A			6,200.00	100	6,200.00						
1403-58X2	Check and promote lead blocks	01MAY05A	73*	29JUL05A			12,400.00	100	12,400.00						
1403-60	Start Update design basis document	02FEB05A	80*	28FEB05A			1,240.00	100	1,240.00						
1403-20A	Mod Coil Type C Cladding FDR		0	25APR05A			0.00	100	0.00						
1403-500	Type C Lead Block FDR		0	18MAY05A			0.00	100	0.00						
1403-219	MCWF assy-Type C	01OCT04A	186*	30JUN05A			17,980.00	100	17,980.00						
1403-62	Prepare FDR documentation / presentations	01JUN05A	0*	30JUN05A			3,100.00	100	3,100.00						
1403-504	Type C Chill Plate FDR		0	30JUN05A			0.00	100	0.00						
1403-508	Type C Clamp FDR		0	30JUN05A			0.00	100	0.00						
1403-20B	Mod Coil Type C FDR's COMPLETE		0	30JUN05A			0.00	100	0.00						
1403-20.00	Resolve FDR chits	25APR05A	113	30SEP05A			3,100.00	100	3,100.00						
1403-220	Cladding assembly-Type C	01OCT04A	251*	30SEP05A			43,710.00	100	43,710.00						
1403-49	Update cost / schedule estimates	02MAY05A	108*	30SEP05A			3,100.00	100	3,100.00						
1403-204	Outer Chill Plate Dwgs -Type C	01SEP04A	272*	30SEP05A			44,054.99	100	44,054.99						
Twisted Racetrack Design (Williamson)															
1403-062	Trial winding analysis & shim rqmnts	01MAR05A	20	31MAR05A			0.00	100	0.00						
1403-065	Cooling redesign and analysis	01MAR05A	20	31MAR05A			24,800.00	100	24,800.00						
1403-066	Clamp modifications Dwgs	01MAR05A	20	31MAR05A			12,400.00	100	12,400.00						
1403-068	TRC I&C	01MAR05A	20	31MAR05A			30,846.40	100	30,846.40						
1406-097	Verify Conductor Dims	01OCT03A	3	03OCT03A			2,573.80	100	2,573.80						
1406-098	Complete Drawings of Casting	13OCT03A	21	26NOV03A			15,442.80	100	15,442.80						
1406-099	Review/Approve Casting Drawings	26NOV03A	10	26NOV03A			15,442.80	100	15,442.80						
1406-101	Prepare Clamp & Chill Plate detail Drawings	14MAY04A	99*	30SEP04A			50,703.86	100	50,703.86						
1406-101.1	Winding block dwgs for prototype leads?????????	01JUN04A	87*	30SEP04A			20,590.40	100	20,590.40						
1406-102	Review/Approve Clamp& Chill Plate Dwgs	01JUN04A	107*	29OCT04A			22,487.41	100	22,487.41						
1406-103.0	Prep MIT plan	01OCT04A	0*	15OCT04A			2,644.00	100	2,644.00						
1406-103.1	Prepare for Twisted Racetrack FDR	01SEP04A	42*	29OCT04A			17,021.40	100	17,021.40						
1406-103.2	Twisted Racetrack FDR		0	15OCT04A			0.00	100	0.00						
1406-103.3	Resolve TRC FDR Issues	01NOV04A	100*	31MAR05A			2,480.00	100	2,480.00						
1406-105	Prepare ANSYS thermal analysis model	31OCT03A	3	31OCT03A			2,573.80	100	2,573.80						
1406-106	Analyze Thermal Behavior due to pulse	31OCT03A	3	31OCT03A			2,573.80	100	2,573.80						
1406-107	Calculate EM Loads due to max current	03NOV03A	3	26NOV03A			5,147.60	100	5,147.60						
1406-108	Prep MECHANICA Struct Analysis Model	03NOV03A	3	26NOV03A			5,147.60	100	5,147.60						
1406-109	Analyze Stress/deflection due to cooldown,pulse	01SEP04A	5*	30SEP04A			5,147.60	100	5,147.60						
1406-111	Write papers and present at conferences	01SEP04A	241*	30SEP04A			30,885.60	100	30,885.60						
1406-150	Winding pack assy	01OCT04A	0*	29OCT04A			1,240.00	100	1,240.00						
1406-151	Lead ends & closure	01OCT04A	21*	29OCT04A			1,240.00	100	1,240.00						
1406-152	Terminal Assy	01OCT04A	21*	29OCT04A			1,240.00	100	1,240.00						
1406-153	VPI mold assy	01OCT04A	21*	29OCT04A			1,240.00	100	1,240.00						
1406-154	Clamp assy	01OCT04A	21*	29OCT04A			1,240.00	100	1,240.00						
1406-155	Cooling ,electr schematics	01OCT04A	21*	29OCT04A			1,240.00	100	1,240.00						

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EC44 NCSX Sheet 20 of 53
Progress Status and Earned Value Through March 31,2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
1406-156	I&C dwgs	01OCT04A	21*	29OCT04A			1,240.00	100	1,240.00						
1406-157	Build to specification	01NOV04A	67*	23DEC04A			2,480.00	100	2,480.00						
1406-104	Prepare Draft of Coil Test Plan	01OCT03A	416*	31MAY05A			5,562.95	100	5,562.95						
1406-110	Finalize, Approve coil test plan	01DEC03A	414*	29JUL05A			11,337.43	100	11,337.43						
TITLE2TRC	Titel III Design-TRC FAB	24JAN05A	91	30JUN05A			79,570.00	100	79,570.00						
Prior Costs															
1403-ECPRB	Rebaselining YTD adjustment for ytd cv	01OCT04A	108*	28FEB05A			154,400.00	100	154,400.00						
FY05CV-11	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			410,000.00	100	410,000.00						
Type C Design Closeout															
1403-203C	Finish Clamp Dwgs (5)-Type C	01MAR05A	193*	30NOV05A			15,791.04	100	15,584.57						
1403-506	Chill plate dwgs approved for fabrication		0*	30NOV05A			0.00	100	0.00						
1403-510	Clamp and assy dwgs approved for fabrication	30NOV05A	0*	30NOV05A			0.00	100	0.00						
1403-59	Type-C product specifications	02MAY05A	160*	30NOV05A			6,350.79	100	6,246.44						
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	01SEP05A	42*	31OCT05A			6,474.00	100	6,428.33						
1403-X1	Winding form revisions (unplanned)	03OCT05A	0	31OCT05A			0.00		0.00						
1403-X2	Terminal Changes (unplanned)	03OCT05A	0	31OCT05A			0.00		0.00						
1403-90	Compile Material properties database	01OCT04A	378*	07APR06		871	18,166.68	90	19,911.62						
1403-40.2Z	Update nonlinear winding pack analysis	01AUG04A	431*	21APR06		861	79,646.80	90	85,876.10						
1403-73	Prep struct analysis report	01MAY05A	270*	26MAY06		836	10,446.08	80	12,578.42						
1403-76	Structural analysis of leads	01OCT04A	403*	12MAY06		846	10,250.70	80	12,484.62						
1403-200		01JAN04A	584	31MAR06A			0.00	90	35,037.04						
1403-224C	Finish VPI mold assembly-Type C	01MAR05A	284*	14APR06		866	17,427.70	90	3,116.91						
1403-206.1		25APR05A	236*	31MAR06A			0.00	90	9,366.83						
1403-206C	Finish Cooling, Electr Schematic Dwgs - Type C	01MAR05A	279*	07APR06		871	5,804.51	90	6,233.83						
1403-58C	Check and promote clamp, I&C assy dwgs -Type C	01JUN05A	239*	12MAY06		846	14,734.17	90	15,641.24						
1403-60C	Finish Update design basis document	02MAY05A	244*	20APR06		862	7,806.53	60	12,492.88						
1403-223C	Finish Top level coil assembly-Type C	01MAR05A	294*	28APR06		856	46,982.06	90	12,467.65						
1403-208C		01MAR05A	274*	31MAR06A			0.00	90	6,233.83						
1403-20.2	Resolve FDR chits	01AUG05A	172*	07APR06		871	5,944.17	90	6,211.91						
1403-42H	calculate EM loads at leads	01SEP05A	164*	28APR06		856	6,007.04	60	9,701.44						
1403-47A	Update,review & approve FMECA	26SEP05A	141*	20APR06		862	672.86	10	6,638.40						
1403-42A1	Document analysis of MCWF eddy currents	03APR06*	5*	07APR06		871	0.00		0.00						
1403-47C	Perform cool-down/warmup analysis	03APR06*	30*	12MAY06		846	0.00		6,962.40						
1403-50A	Check inductance calculation	03APR06	30*	12MAY06		846	0.00		6,748.00						
1403-20.0	Final Design Close-out for Type C		0	02JUN06*		832	0.00		0.00						
Job: 1416-Mod Coil Type A&B Final Dsn-WILLIAMSON															
Winding and Assembly Design-Type A															
1416A-105	Top level models and drawings	03MAR06A	89*	07JUL06		292	2,024.40	30	6,748.00						
1416A-109	-Check and Promote Top Level Drawings	10JUL06	10*	21JUL06		292	0.00		3,374.00						
1416A-113	MCWF mods-As-Built MCWF	01AUG05A	145*	28FEB06A			13,153.50	100	12,509.60						
1416A-117	MCWF mods-Studs, Lead Block Mount	01OCT05A	100*	28FEB06A			6,748.00	100	6,748.00						
1416A-121	MCWF mods-Seal Groove Adapter	01OCT05A	123*	03APR06		860	8,097.60	80	6,748.00						
1416A-125		03OCT05A	122*	31MAR06A			0.00		3,374.00						
1416A-129	MCWF mods-Check and Promote	30NOV05A	92*	14APR06		851	1,012.20	30	3,374.00						
1416A-133	Lead Block Assy-Lead Blocks	01OCT05A	100*	28FEB06A			13,496.00	100	13,496.00						
1416A-137	Lead Block Assy-Top and Side Plates	28NOV05A	62*	28FEB06A			13,496.00	100	13,496.00						
1416A-141	Lead Block Assy-Detail Parts, Intralink	28NOV05A	84*	10MAR06A			10,122.00	100	6,748.00						
1416A-145		28NOV05A	84*	31MAR06A			0.00		3,374.00						
1416A-149	Lead Block Assy-Check and Promote	03APR06	5*	07APR06		856	2,699.20	80	3,374.00						
1416A-153	Lead Terminals-Splice Plates	03APR06*	27*	09MAY06		829	0.00		3,374.00						

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44 **NCSX** Sheet 21 of 53
Progress Status and Earned Value
Through March 31,2006

Reflects revised ETC Schedule forecasts.
ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
1416A-157	Lead Terminals-Check and Promote	10MAY06*	5*	16MAY06		829	0.00		3,374.00						
1416A-161	Side A Coil Assy-Cladding Asm	01SEP05A	144*	31MAR06A			38,319.60	100	37,150.48						
1416A-165	Side A Coil Assy-Cond Layers, Geom Files	28NOV05A	84*	31MAR06A			6,748.00	100	6,748.00						
1416A-169	Side A Coil Assy-Magnetic Loops	28NOV05A	84*	31MAR06A			3,374.00	100	3,374.00						
1416A-173	Side A Coil Assy-Chill Plates and Tubing	28NOV05A	84*	31MAR06A			40,488.00	100	40,488.00						
1416A-177	Side A Coil Assy-Check and Promote		0*	31MAR06A			6,748.00	100	6,748.00						
1416A-181	Side B Coil Assy-Cladding Asm	01SEP05A	144*	31MAR06A			39,724.23	100	38,972.40						
1416A-185	Side B Coil Assy-Cond Layers, Geom Files	28NOV05A	84*	31MAR06A			6,748.00	100	6,748.00						
1416A-189	Side B Coil Assy-Magnetic Loops	28NOV05A	84*	31MAR06A			3,374.00	100	3,374.00						
1416A-193	Side B Coil Assy-Chill Plates and Tubing	28NOV05A	84*	31MAR06A			41,774.40	100	41,774.40						
1416A-197	Side B Coil Assy-Check and Promote	03APR06	5*	07APR06		856	5,398.40	80	6,748.00						
1416A-201	Coil Post VPI mods-Studs Removed	03DEC05A	177*	18AUG06		234	2,699.20	80	3,374.00						
1416A-205	Coil Post VPI mods-Clamp Arrangement	03DEC05A	177*	18AUG06		234	5,398.40	80	6,748.00						
1416A-209	Coil Post VPI mods-Check and Promote	21AUG06	5	25AUG06		234	2,699.20	80	3,374.00						
1416A-213	Clamp Assy-Clamp Hardware	28NOV05A	40*	23DEC05A			674.80	100	674.80						
1416A-217	Clamp Assy-Check and Promote	01DEC05A	1	23DEC05A			674.80	100	674.80						
1416A-221	I&C-Strain Gages and T/C	03MAR06A	133*	08SEP06		749	1,012.20	30	3,374.00						
1416A-225	I&C-Rogowski Coils	03MAR06A	133*	08SEP06		749	2,024.40	30	6,748.00						
1416A-229	I&C-Check and Promote	11SEP06*	15*	29SEP06		749	0.00		3,374.00						
1416A-233	Coil-to-Coil -Current Feed Insul, Covers	15SEP06*	5	21SEP06		232	0.00		3,374.00						
1416A-237	Coil-to-Coil -Windings Insul Blanket	15SEP06*	5	21SEP06		232	0.00		3,374.00						
1416A-241	Coil-to-Coil -Bushing Installation	15SEP06*	5	21SEP06		232	0.00		3,374.00						
1416A-245	Coil-to-Coil -Check and Promote	22SEP06	5	28SEP06		232	0.00		3,374.00						
1416A-249	-Type-A Coil Asm Specification	28APR06*	5	04MAY06		827	0.00		6,748.00						
1416A-253	-Review and Approve Type-A Spec	23MAY06*	5	30MAY06		815	0.00		3,374.00						
1416A-257	-Update Coil Fab Procedures	31MAY06*	5	06JUN06		815	0.00		3,374.00						
1416A-261	-Prepare and Conduct FDR	07JUN06*	5	13JUN06		815	0.00		6,748.00						
1416A-262	TYPE A FDR		0	13JUN06*		815	0.00		0.00						
1416A-265	-Resolve FDR Comments	14JUN06	10	27JUN06		815	0.00		6,748.00						
Winding and Assembly Design-Type B															
1416B-105	Top level models and drawings	11MAR06A	118*	25AUG06		286	674.80	10	6,748.00						
1416B-109	-Check and Promote top level drawings	28AUG06	5	01SEP06		286	0.00		3,372.31						
1416B-113	MCWF mods-As-Built MCWF	01DEC05A	101*	28APR06		836	5,398.40	80	6,748.00						
1416B-117	MCWF mods-Studs, Lead Block Mount	03APR06*	30*	12MAY06		826	3,374.00	50	6,748.00						
1416B-121	MCWF mods-Seal Groove Adapter	03APR06*	40*	26MAY06		816	3,036.60	30	6,748.00						
1416B-125			0	31MAR06A			0.00		3,372.31						
1416B-129	MCWF mods-Check and Promote	02JUN06*	5	08JUN06		813	0.00		3,372.31						
1416B-133	Lead Block Assy-Lead Blocks	28NOV05A	94*	14APR06		169	12,143.37	90	13,492.63						
1416B-137	Lead Block Assy-Top and Side Plates	28NOV05A	94*	14APR06		169	12,143.37	90	13,492.63						
1416B-141	Lead Block Assy-Detail Parts, Intralink	10FEB06A	56*	28APR06		159	7,085.40	70	6,748.00						
1416B-145		06FEB06A	5	31MAR06A			0.00		3,372.31						
1416B-149	Lead Block Assy-Check and Promote	01MAR06A	72*	09JUN06		159	2,360.62	70	3,372.31						
1416B-153	Lead Terminals-Spice Plates	02MAY06*	5	08MAY06		177	0.00		3,372.31						
1416B-157	Lead Terminals-Check and Promote	09MAY06*	5	15MAY06		177	0.00		3,372.31						
1416B-161	Side A Coil Assy-Cladding Asm	03DEC05A	109*	12MAY06		196	23,615.47	50	47,230.94						
1416B-165	Side A Coil Assy-Cond Layers, Geom Files	03MAR06A	51*	12MAY06		812	2,699.20	40	6,748.00						
1416B-169	Side A Coil Assy-Magnetic Loops	03MAR06A	51*	12MAY06		812	1,348.92	40	3,372.31						
1416B-173	Side A Coil Assy-Chill Plates and Tubing	03MAR06A	51*	12MAY06		224	24,289.43	40	60,723.57						
1416B-177	Side A Coil Assy-Check and Promote	15MAY06	19	09JUN06		812	0.00		6,748.00						
1416B-181	Side B Coil Assy-Cladding Asm	03DEC05A	109*	12MAY06		196	24,365.79	50	48,731.58						
1416B-185	Side B Coil Assy-Cond Layers, Geom Files	03MAR06A	51*	12MAY06		812	1,349.60	20	6,748.00						

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Forecast
zECP-43 baseline
Progress Bar
Critical Activity

EC44 NCSX Sheet 22 of 53
Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	FY				
										FY05	FY06	FY07	FY08	FY09
1416B-189	Side B Coil Assy-Magnetic Loops	03MAR06A	51*	12MAY06		812	674.46	20	3,372.31					
1416B-193	Side B Coil Assy-Chill Plates and Tubing	03MAR06A	51*	12MAY06		224	12,530.58	20	62,652.90					
1416B-197	Side B Coil Assy-Check and Promote	15MAY06	19	09JUN06		812	0.00		6,748.00					
1416B-201	Coil Post VPI mods-Studs Removed	03MAR06A	114*	11AUG06		274	1,011.69	30	3,372.31					
1416B-205	Coil Post VPI mods-Clamp Arrangement	03MAR06A	114*	11AUG06		274	2,024.40	30	6,748.00					
1416B-205A	Coil Post VPIU mods cooling/electrical	03APR06*	93*	11AUG06		783	0.00		0.00					
1416B-209	Coil Post VPI mods-Check and Promote	14AUG06	10*	25AUG06		274	0.00		3,372.31					
1416B-213	Clamp Assy-Clamp HardwareDELETED	31MAR06A	1	31MAR06A			674.80		674.80					
1416B-217	Clamp Assy-Check and Promote DELETED	31MAR06A	1	31MAR06A			674.80		674.80					
1416B-221	I&C-Strain Gages and T/C	04AUG06*	5	10AUG06		274	0.00		3,372.31					
1416B-225	I&C-Rogowski Coils	04AUG06*	5	10AUG06		274	0.00		6,748.00					
1416B-229	I&C-Check and Promote	11AUG06	11*	25AUG06		274	0.00		3,372.31					
1416B-233	Coil-to-Coil -Current Feed Insul, Covers	04AUG06*	5	10AUG06		280	0.00		3,372.31					
1416B-237	Coil-to-Coil -Windings Insul Blanket	04AUG06*	5	10AUG06		280	0.00		3,372.31					
1416B-241	Coil-to-Coil -Bushing Installation	04AUG06*	5	10AUG06		280	0.00		3,372.31					
1416B-245	Coil-to-Coil -Check and Promote	11AUG06	5	17AUG06		280	0.00		3,372.31					
1416B-249	-Type-B Coil Asm Specification	14JUL06*	5	20JUL06		774	0.00		6,748.00					
1416B-253	-Review and Approve Type-B Spec	02AUG06*	5	08AUG06		766	0.00		3,372.31					
1416B-257	-Update Coil Fab Procedures	09AUG06*	5	15AUG06		766	0.00		3,372.31					
1416B-261	-Prepare and Conduct FDR	16AUG06*	5	22AUG06		766	0.00		6,748.00					
1416B-262	TYPE B FDR		0	22AUG06		766	0.00		0.00					
1416B-265	-Resolve FDR Comments	23AUG06	10	06SEP06		766	0.00		6,748.00					

Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI

Prior Costs														
1408-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	64	30SEP03A			29,790.00	100	29,790.00					
Copper Conductor														
1408-141	Copper Conductor -Spec & Requisition	02AUG04A	3	27AUG04A			2,472.00	100	2,472.00					
1408-142	Copper Conductor -Prep & Issue RFQ/RFP	30AUG04A	23*	30SEP04A			0.00	100	0.00					
1408-143	Copper Conductor -Evaluate Bids & Award	30SEP04A	5	30SEP04A			0.00	100	0.00					
1408-143.1	Mod Coil Copper Conductor Awarded		0	01OCT04A			0.00	100	0.00					
1408-147	Copper Conductor -Delivery #1 PE005371	01OCT04A	63*	23DEC04A			12,002.97	100	12,002.97					
1408-145	Copper Conductor -Delivery #2 PE005371	01MAR05A	66*	29APR05A			228,056.43	100	228,056.43					
1408-146	Add'l Copper Conductor f/trial winding PE005371	25JUL05A	71*	31OCT05A			31,382.87	100	30,744.00					
Insulation for conductor														
1408-101	Insulation-Spec & Requisition	09JUL04A	3*	13JUL04A			0.00	100	0.00					
1408-103	Insulation-Prep & Issue RFQ/RFP	01AUG04A	10	20AUG04A			0.00	100	0.00					
1408-104	Insulation-Evaluate Bids & Award	23AUG04A	5	31AUG04A			0.00	100	0.00					
1408-107	Insulation-Initial Delivery for Production	31JAN05A	11	31JAN05A			6,405.00	100	6,405.00					
1408-108	Insulation-Delivery incl add'l f/trial winding	01JUN05A	0*	30JUN05A			20,496.00	100	20,496.00					
Groundwrap Insulation														
1408-110	Grndwrap Insulation-Spec & Requisition	03JAN05A	3	31JAN05A			0.00	100	0.00					
1408-112	Grndwrap-Bid & Award	03JAN05A	3	31JAN05A			0.00	100	0.00					
1408-112.1	Grndwrap-Delivery	31JAN05A	37*	28FEB05A			25,620.00	100	25,620.00					
Cladding														
1408-505	PPPL Fabr Cladding Type C for Coil c1	01MAY05A	15	31MAY05A			3,586.65	100	3,586.65					
1408-507	PPPL Fabr Cladding Type C for Coil c2	02OCT05A	58*	23DEC05A			3,838.80	100	3,838.80					
1408-501	Submet Requisition for Type C Cladding	31OCT05A	1	31OCT05A			0.00	100	0.00					
1408-503	Bid and Award Type C Cladding (PE006336)	01NOV05A	20	30NOV05A			0.00	100	0.00					
1408-509	Fabr Cladding Type C for Coil c3	03DEC05A	36	31JAN06A			3,838.80	100	3,838.80					
1408-511	Fabr Cladding Type C for Coil c4	03DEC05A	36	31JAN06A			3,838.80	100	3,838.80					

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44 NCSX Sheet 23 of 53
Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
1408-513	Fabr Cladding Type C for Coil c5	03DEC05A	36	31JAN06A			3,838.80	100	3,838.80						
1408-515	Fabr Cladding Type C for Coil c6	03DEC05A	36	31JAN06A			3,838.80	100	3,838.80						
1408-517	Submet Requisition for Type A Cladding	03APR06	5	07APR06		166	0.00		0.00						
1408-519	Bid and Award Type A Cladding	10APR06	30	19MAY06		166	0.00		0.00						
1408-521	Fabr Cladding Type A for Coil a1	22MAY06	10	05JUN06		166	0.00		3,838.80						
1408-523	Fabr Cladding Type A for Coil a2	22MAY06	10	05JUN06		180	0.00		3,838.80						
1408-525	Fabr Cladding Type A for Coil a3	22MAY06	25	26JUN06		197	0.00		3,838.80						
1408-527	Fabr Cladding Type A for Coil a4	22MAY06	25	26JUN06		243	0.00		3,838.80						
1408-529	Fabr Cladding Type A for Coil a5	22MAY06	25	26JUN06		381	0.00		3,838.80						
1408-531	Fabr Cladding Type A for Coil a6	22MAY06	25	26JUN06		395	0.00		3,838.80						
1408-533	Submet Requisition for Type B Cladding	15MAY06	5	19MAY06		196	0.00		0.00						
1408-535	Bid and Award Type B Cladding	22MAY06	20	19JUN06		196	0.00		0.00						
1408-537	Fabr Cladding Type B for Coil b1	20JUN06	20	18JUL06		196	0.00		3,838.80						
1408-539	Fabr Cladding Type B for Coil b2	20JUN06	25	25JUL06		237	0.00		3,838.80						
1408-541	Fabr Cladding Type B for Coil b3	20JUN06	25	25JUL06		269	0.00		3,838.80						
1408-543	Fabr Cladding Type B for Coil b4	20JUN06	25	25JUL06		283	0.00		3,838.80						
1408-545	Fabr Cladding Type B for Coil b5	20JUN06	25	25JUL06		315	0.00		3,838.80						
1408-547	Fabr Cladding Type B for Coil b6	20JUN06	25	25JUL06		329	0.00		3,838.80						
Lead hardware & Fillers															
1408-705	Fabr Lead HW Type C for Coil c1	01JUL05A	131*	30DEC05A			93,326.22	100	92,137.12						
1408-707	Fabr Lead HW Type C for Coil c2	01JUL05A	131*	31JAN06A			24,911.70	100	24,509.92						
1408-701	Submet Requisition for Type C3-C6 Lead HW	01AUG05A	5	05AUG05A			0.00	100	0.00						
1408-703	Bid and Award Type C3-C6 Lead HW	08AUG05A	30	02DEC05A			0.00	100	0.00						
1408-709	Fabr Lead HW Type C for Coil c3	03JAN06A	20	31JAN06A			26,186.10	100	26,186.10						
1408-711	Fabr Lead HW Type C for Coil c4	03JAN06A	20	31JAN06A			26,186.10	100	26,186.10						
1408-713	Fabr Lead HW Type C for Coil c5	03JAN06A	20	31JAN06A			26,186.10	100	26,186.10						
1408-715	Fabr Lead HW Type C for Coil c6	03JAN06A	20	31JAN06A			26,186.10	100	26,186.10						
1408-721A	Fab & Deliver Lower lead blocks (PE006621)	31MAR06A	78*	20JUL06		177	0.00		0.00						
1408-717	Submet Req for Type A Lead HW R403928	31MAR06A	5	31MAR06A			0.00		0.00						
1408-719	Bid and Award Type A Lead HW	31MAR06A	25	05MAY06		177	0.00		0.00						
1408-721	Fabr Lead HW Type A for Coil a1	08MAY06	15	26MAY06		209	5,630.01	22	26,186.10						
1408-723	Fabr Lead HW Type A for Coil a2	08MAY06	30	19JUN06		177	5,630.01	22	26,186.10						
1408-725	Fabr Lead HW Type A for Coil a3	08MAY06	40	03JUL06		199	5,630.01	22	26,186.10						
1408-727	Fabr Lead HW Type A for Coil a4	08MAY06	40	03JUL06		245	5,630.01	22	26,186.10						
1408-729	Fabr Lead HW Type A for Coil a5	08MAY06	40	03JUL06		259	5,630.01	22	26,186.10						
1408-731	Fabr Lead HW Type A for Coil a6	08MAY06	40	03JUL06		397	5,630.01	22	26,186.10						
1408-733	Submet Requisition for Type B Lead HW	12JUN06	5	16JUN06		159	0.00		0.00						
1408-735	Bid and Award Type B Lead HW	19JUN06	25	24JUL06		159	0.00		0.00						
1408-737	Fabr Lead HW Type B for Coil b1	25JUL06	40	19SEP06		159	5,630.01	22	26,186.10						
1408-739	Fabr Lead HW Type B for Coil b2	25JUL06	40	19SEP06		329	5,630.01	22	26,186.10						
1408-741	Fabr Lead HW Type B for Coil b3	25JUL06	40	19SEP06		237	5,630.01	22	26,186.10						
1408-743	Fabr Lead HW Type B for Coil b4	25JUL06	40	19SEP06		251	5,630.01	22	26,186.10						
1408-745	Fabr Lead HW Type B for Coil b5	25JUL06	40	19SEP06		283	5,630.01	22	26,186.10						
1408-747	Fabr Lead HW Type B for Coil b6	25JUL06	40	19SEP06		297	5,630.01	22	26,186.10						
Chill Plates															
1408-605	PPPL Fabr Chill Plts Type C for Coil c1	28NOV05A	20*	22DEC05A			3,838.80	100	3,838.80						
1408-601	Submet Requisition for Type C Chill Plts	28NOV05A	5	30NOV05A			0.00	100	0.00						
1408-603	Bid and Award Type C Chill Plts	01DEC05A	30	05DEC05A			0.00	100	0.00						
1408-607	Fabr Chill Plts Type C for Coil c2	03JAN06A	20	31JAN06A			3,838.80	100	3,838.80						
1408-609	Fabr Chill Plts Type C for Coil c3	03JAN06A	20	31JAN06A			3,838.80	100	3,838.80						

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44 NCSX Sheet 24 of 53
Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
1408-611	Fabr Chill Plts Type C for Coil c4	03JAN06A	20	31JAN06A			3,838.80	100	3,838.80						
1408-613	Fabr Chill Plts Type C for Coil c5	03JAN06A	20	31JAN06A			3,838.80	100	3,838.80						
1408-615	Fabr Chill Plts Type C for Coil c6	03JAN06A	20	31JAN06A			3,838.80	100	3,838.80						
1408-617	Submit Requisition for Type A Chill Plts	03APR06	5	07APR06		194	0.00		0.00						
1408-619	Bid and Award Type A Chill Plts	10APR06	30	19MAY06		194	0.00		0.00						
1408-621	Fabr Chill Plts Type A for Coil a1	22MAY06	20	19JUN06		194	0.00		3,838.80						
1408-623	Fabr Chill Plts Type A for Coil a2	22MAY06	20	19JUN06		208	0.00		3,838.80						
1408-625	Fabr Chill Plts Type A for Coil a3	22MAY06	20	19JUN06		240	0.00		3,838.80						
1408-627	Fabr Chill Plts Type A for Coil a4	22MAY06	20	19JUN06		286	0.00		3,838.80						
1408-629	Fabr Chill Plts Type A for Coil a5	22MAY06	20	19JUN06		300	0.00		3,838.80						
1408-631	Fabr Chill Plts Type A for Coil a6	22MAY06	20	19JUN06		438	0.00		3,838.80						
1408-633	Submit Requisition for Type B Chill Plts	15MAY06	5	19MAY06		224	0.00		0.00						
1408-635	Bid and Award Type B Chill Plts	22MAY06	30	03JUL06		224	0.00		0.00						
1408-637	Fabr Chill Plts Type B for Coil b1	05JUL06	20	01AUG06		224	0.00		3,838.80						
1408-639	Fabr Chill Plts Type B for Coil b2	05JUL06	20	01AUG06		394	0.00		3,838.80						
1408-641	Fabr Chill Plts Type B for Coil b3	05JUL06	20	01AUG06		302	0.00		3,838.80						
1408-643	Fabr Chill Plts Type B for Coil b4	05JUL06	20	01AUG06		316	0.00		3,838.80						
1408-645	Fabr Chill Plts Type B for Coil b5	05JUL06	20	01AUG06		348	0.00		3,838.80						
1408-647	Fabr Chill Plts Type B for Coil b6	05JUL06	20	01AUG06		362	0.00		3,838.80						
Tubing															
1408-761	Submit Requisition for Tubing	28NOV05A	5	30NOV05A			0.00	100	0.00						
1408-763	Bid and Award Tubing (PE006392)	03JAN06A	0	21DEC05A			0.00	100	0.00						
1408-765	Deliver Tubing	31JAN06A	10	31JAN06A			2,742.00	100	2,742.00						
Epoxy															
1408-111	Epoxy - Requisition	01JAN05A	5	31JAN05A			0.00	100	0.00						
1408-114	Epoxy - Evaluate Bids & Award	01MAY05A	10	31MAY05A			0.00	100	0.00						
1408-117	Epoxy -1st Delivery for Production	31JAN06A	20	31JAN06A			20,565.00	100	20,565.00						
1408-119	Epoxy -2nd Delivery for Production	09MAY06	20	06JUN06		252	0.00		20,565.00						
1408-121	Epoxy -3rd Delivery for Production	04DEC06	20	08JAN07		187	0.00		20,565.00						
1408-123	Epoxy -4th Delivery for Production	14FEB07	20	13MAR07		167	0.00		20,565.00						
1408-125	Epoxy -5th Delivery for Production	22MAR07	20	18APR07		172	0.00		20,565.00						
1408-127	Epoxy -6th Delivery for Production	19APR07	20	16MAY07		172	0.00		20,565.00						
Clamps															
1408-901	Submit Requisition for Type C Clamps	01DEC05A	5	07DEC05A			0.00		0.00						
1408-903	Bid and Award Type C Clamps (PE6417)	08DEC05A	33	11JAN06A			0.00		0.00						
1408-905	Fabr Clamps Type C for Coil c1	28FEB06A	45	01MAY06		855	9,871.20	48	20,565.00						
1408-907	Fabr Clamps Type C for Coil c2	28FEB06A	44	28APR06		318	9,871.20	48	20,565.00						
1408-909	Fabr Clamps Type C for Coil c3	28FEB06A	44	28APR06		326	9,871.20	48	20,565.00						
1408-911	Fabr Clamps Type C for Coil c4	28FEB06A	44	28APR06		334	9,871.20	48	20,565.00						
1408-913	Fabr Clamps Type C for Coil c5	28FEB06A	44	28APR06		342	9,871.20	48	20,565.00						
1408-915	Fabr Clamps Type C for Coil c6	28FEB06A	44	28APR06		531	9,871.20	48	21,075.00						
1408-921	Fabr Clamps Type A for Coil a1	28FEB06A	44	28APR06		350	9,871.20	48	20,565.00						
1408-923	Fabr Clamps Type A for Coil a2	28FEB06A	44	28APR06		358	9,871.20	48	20,565.00						
1408-925	Fabr Clamps Type A for Coil a3	28FEB06A	44	28APR06		366	9,871.20	48	20,565.00						
1408-927	Fabr Clamps Type A for Coil a4	28FEB06A	44	28APR06		382	9,871.20	48	20,565.00						
1408-929	Fabr Clamps Type A for Coil a5	28FEB06A	44	28APR06		487	9,871.20	48	20,565.00						
1408-931	Fabr Clamps Type A for Coil a6	28FEB06A	44	28APR06		495	9,871.20	48	20,565.00						
1408-937	Fabr Clamps Type B for Coil b1	01MAR06A	43	28APR06		374	9,871.20	48	20,565.00						
1408-939	Fabr Clamps Type B for Coil b2	28FEB06A	44	28APR06		390	9,871.20	48	20,565.00						
1408-941	Fabr Clamps Type B for Coil b3	28FEB06A	44	28APR06		455	9,871.20	48	20,565.00						

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44 **NCSX** Sheet 25 of 53
Progress Status and Earned Value
Through March 31, 2006

Reflects revised ETC Schedule forecasts.
ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package.

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	FY					
										FY05	FY06	FY07	FY08	FY09	
1408-943	Fabr Clamps Type B for Coil b4	28FEB06A	44*	28APR06		463	9,871.20	48	20,565.00						
1408-945	Fabr Clamps Type B for Coil b5	28FEB06A	44*	28APR06		471	9,871.20	48	20,565.00						
1408-947	Fabr Clamps Type B for Coil b6	28FEB06A	44*	28APR06		479	9,871.20	48	20,565.00						
Other															
1408-137	Safety & PPE equipt & supplies	01MAY05A	686*	31JAN08		420	15,308.96	75	20,412.61						
1408-138	Misc. Supplies	01JUL05A	643*	31JAN08		420	11,475.51	70	16,393.86						
1408-173	Epoxy for Shell Mold (Hysol)	03JAN06A	520*	31JAN08		420	14,863.29	60	24,762.27						
1408-183	Tubing (Chem flor and Poly)	01SEP05A	67*	31OCT05A			46,373.37	100	46,950.67						
1408-184	Vulcanizing tape, felt and RTV	03JAN06A	45	05JUN06		831	25,034.46	83	30,162.00						
1408-185	Valves and Fittings	01AUG05A	66*	31OCT05A			19,644.55	100	19,644.55						
1408-186	Manifolds	01SEP05A	209	30SEP05A			75,850.56	100	75,850.56						
I&C															
174-035	Modular Coil local I&C -Procurement	03APR06	40	26MAY06		836	0.00		18,275.43						
FY05CV-21	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			33,000.00		33,000.00						
Job: 1411-MCWF Fabrication S005242-HEITZENROEDER															
Contract Oversight and Title III															
172-031	Title III engr	24MAY04A	340*	30SEP05A			76,273.90	LOE	76,273.90						
172-031.1	Title III engr	01OCT05A	350*	01MAR07		648	58,334.45	LOE	167,147.43						
FY05CV-23	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			275,000.00		275,000.00						
MCWF-001	EIO Project Mgt. & Reporting	29OCT04A	486*	15SEP06		709	682,500.00	LOE	910,000.00						
MCWF-001A	EIO Project Mgt. & Reporting AMEND #11	18SEP06	75*	29DEC06		709	0.00		129,250.00						
MCWF-001B	EIO Project Mgt. & Reporting AMEND #12	02JAN07*	76*	17APR07		633	0.00		146,000.00						
MCWF-011	Pattern A complete	29OCT04A	126*	01APR05A			290,125.00	100	290,125.00						
MCWF-021	Pattern B complete	01DEC04A	220*	30SEP05A			255,120.00	100	255,120.00						
MCWF-031	Major Tool Tooling Complete	29OCT04A	82*	28FEB05A			628,622.00	100	628,622.00						
MCWF-041	Materials (MetalTek)	29NOV04A	282*	31AUG05A			744,750.00	100	744,750.00						
MCWF-051	C1-MTK-casting upgrade	20DEC04A	63*	31MAR05A			146,248.12	100	144,138.12						
MCWF-061	C1-MTM - machining/inspection	01APR05A	136*	30SEP05A	M		159,560.00	100	159,560.00						
C-121.1	First MCWF C-1 Delivered		0	30SEP05A			0.00		0.00						
MCWF-071	C1-Receive at PPPL		0	03OCT05A			0.00		0.00						
MCWF-081	C2-MTK-casting	01APR05A	66*	27JUN05A			142,920.00	100	142,710.00						
MCWF-091	C2-MTM - machining/inspection	28JUN05A	125*	16DEC05A			169,040.00	100	169,040.00						
MCWF-101	C2-Receive at PPPL		0	16DEC05A			0.00	100	0.00						
MCWF-141	C3-MTK-casting	12MAY05A	102*	19SEP05A			142,920.00	100	142,710.00						
MCWF-151	C3-MTM - machining/inspection	20SEP05A	108*	27FEB06A			167,910.00	100	167,910.00						
MCWF-161	C3-Receive at PPPL		0	27FEB06A			43,000.00		43,030.00						
MCWF-201	C4-MTK-casting	16MAY05A	122*	31OCT05A			142,920.00	100	142,710.00						
MCWF-211	C4-MTM - machining/inspection	31OCT05A	102*	27MAR06A			167,910.00	100	167,910.00						
MCWF-221	C4-Receive at PPPL		0	27MAR06A			31,190.00		31,190.00						
MCWF-261	C5-MTK-casting	30MAY05A	128*	30NOV05A			142,920.00	100	142,710.00						
MCWF-271	C5-MTM - machining/inspection	01DEC05A	97*	24APR06		146	142,723.50	85	167,910.00						
MCWF-281	C5-Receive at PPPL		0	01MAY06		141	0.00		34,480.00						
MCWF-111	A1-MTK-casting	22APR05A	116*	08SEP05A			142,710.00	100	142,710.00						
MCWF-121	A1-MTM - machining/inspection	09SEP05A	108*	26MAY06		166	83,955.00	50	167,910.00						
MCWF-131	A1-Receive at PPPL		0	26MAY06		166	0.00		29,880.00						
MCWF-171	A2-MTK-casting	17AUG05A	91*	23DEC05A			142,710.00	100	142,710.00						
MCWF-181	A2-MTM - machining/inspection	14NOV05A	144*	14JUN06		169	41,977.50	25	167,910.00						
MCWF-191	A2-Receive at PPPL		0	13JUL06*		149	0.00		25,270.00						

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44 **NCSX** Sheet 26 of 53
Progress Status and Earned Value
Through March 31, 2006

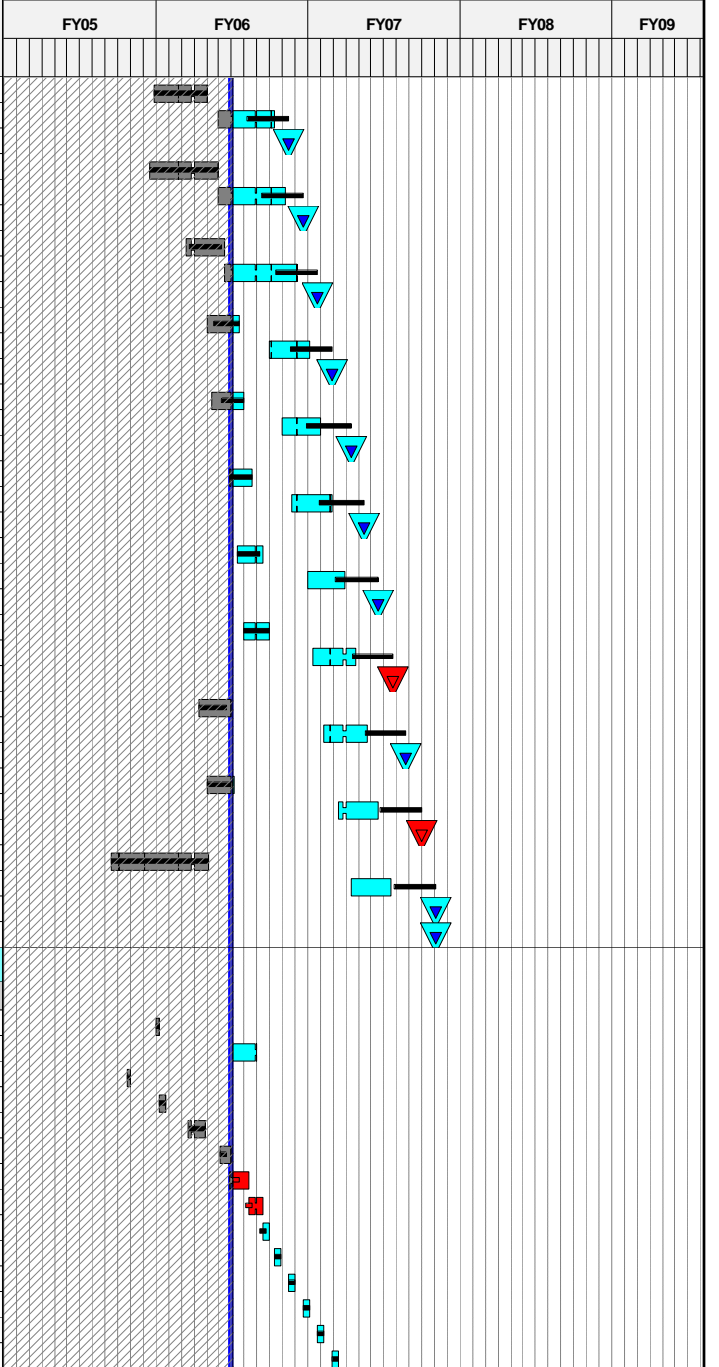
Reflects revised ETC Schedule forecasts.
ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year				
										FY05	FY06	FY07	FY08	FY09
MCWF-351	A3-MTK-casting	26SEP05A	84*	31JAN06A			142,710.00	100	142,710.00					
MCWF-361	A3-MTM - machining/inspection	01MAR06A	93*	11JUL06		183	33,582.00	20	167,910.00					
MCWF-371	A3-Receive at PPPL			016AUG06*		157	0.00		20,410.00					
MCWF-231	B1-MTK-casting	16SEP05A	110*	28FEB06A			142,710.00	100	142,710.00					
MCWF-241	B1-MTM - machining/inspection	01MAR06A	113*	08AUG06		176	8,395.50	5	167,910.00					
MCWF-251	B1-Receive at PPPL		0	20SEP06*		146	0.00		14,660.00					
MCWF-381	A4-MTK-casting	15DEC05A	71*	14MAR06A			142,920.00	100	142,710.00					
MCWF-391	A4-MTM - machining/inspection	14MAR06A	123*	05SEP06		187	16,791.00	10	167,910.00					
MCWF-401	A4-Receive at PPPL		0	24OCT06*		155	0.00		9,730.00					
MCWF-321	B2-MTK-casting	31JAN06A	55*	17APR06		237	92,761.50	65	142,710.00					
MCWF-331	B2-MTM - machining/inspection	03JUL06*	65	03OCT06		184	0.00		167,910.00					
MCWF-341	B2-Receive at PPPL		0	29NOV06*		145	0.00		159,450.00					
MCWF-471	B3-MTK-casting	13FEB06A	56*	01MAY06		259	78,606.00	55	142,710.00					
MCWF-481	B3-MTM - machining/inspection	01AUG06*	65	31OCT06		196	0.00		167,910.00					
MCWF-491	B3-Receive at PPPL		0	11JAN07*		152	0.00		21,780.00					
MCWF-501	B4-MTK-casting	28MAR06A	39*	19MAY06		259	71,460.00	50	142,710.00					
MCWF-511	B4-MTM - machining/inspection	25AUG06*	65	28NOV06		192	0.00		167,910.00					
MCWF-521	B4-Receive at PPPL		0	14FEB07*		142	0.00		0.00					
MCWF-531	B5-MTK-casting	17APR06*	44*	16JUN06		272	21,438.00	15	142,710.00					
MCWF-541	B5-MTM - machining/inspection	02OCT06*	65	29DEC06		206	0.00		167,910.00					
MCWF-551	B5-Receive at PPPL		0	20MAR07*		150	0.00		0.00					
MCWF-561	B6-MTK-casting	02MAY06*	42*	29JUN06		274	0.00		142,710.00					
MCWF-571	B6-MTM - machining/inspection	13OCT06*	65	23JAN07		201	0.00		167,910.00					
MCWF-581	B6-Receive at PPPL		0	23APR07*		140	0.00		0.00					
MCWF-411	A5-MTK-casting	13JAN06A	45*	29MAR06A			142,920.00	100	142,710.00					
MCWF-421	A5-MTM - machining/inspection	10NOV06*	65	20FEB07		216	0.00		167,910.00					
MCWF-431	A5-Receive at PPPL		0	25MAY07*		148	0.00		0.00					
MCWF-441	A6-MTK-casting	31JAN06A	49*	07APR06		381	114,168.00	80	142,710.00					
MCWF-451	A6-MTM - machining/inspection	12DEC06*	65	20MAR07		210	0.00		167,910.00					
MCWF-461	A6-Receive at PPPL		0	29JUN07*		138	0.00		0.00					
MCWF-291	C6-MTK-casting	16JUN05A	155*	03FEB06A			142,920.00	100	142,710.00					
MCWF-301	C6-MTM - machining/inspection	15JAN07*	67*	17APR07		227	0.00		167,910.00					
MCWF-311	C6-Receive at PPPL		0	03AUG07*		151	0.00		0.00					
C-501B1	Last MCWF Delivered		0	03AUG07		539	0.00		0.00					

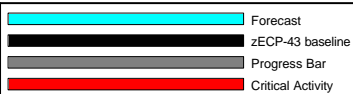
Job: 1451 - Mod Coil Winding-CHRZANOWSKI

Station 1 Prep casring & Install Cladding

C1RW	C1 rework	03OCT05A	5	07OCT05A	1		46,663.50	100	45,808.88					
C2RW	C1 rework	03APR06*	43	01JUN06	1	833	0.00	100	0.00					
1451TRAIN	Training for winding teams	25JUL05A	3	29JUL05A			0.00	100	0.00					
P1-001	Rec C1, Prep& Instl Cladding>>@125% 1 shift	10OCT05A	23	24OCT05A	1		54,727.68	100	52,402.56					
P1-091	Receive C2, Prep& Instl Cladding	19DEC05A	26*	26JAN06A	1		44,303.36	100	44,303.36					
P2-091	Receive C3, Prep& Instl Cladding	03MAR06A	16	31MAR06A	1		44,303.36	100	44,303.36					
P3-091	Receive C4, Prep& Instl Cladding	28MAR06A	32*	10MAY06	1	134	8,144.00	20	24,350.56					
P1-121	Receive C5, Prep& Instl Cladding	11MAY06	24	14JUN06	1	134	0.00		24,350.56					
P2-001	Receive A1, Prep& Instl Cladding	15JUN06	12	30JUN06	2	154	0.00		24,350.56					
P3-001	Receive A2, Prep& Instl Cladding	14JUL06	11	28JUL06	2	149	0.00		24,350.56					
P3-031	Receive A3, Prep& Instl Cladding	17AUG06	11	31AUG06	2	157	0.00		24,350.56					
P1-031	Receive B1, Prep& Instl Cladding	21SEP06	12	06OCT06	2	146	0.00		24,683.42					
P3-121	Receive A4, Prep& Instl Cladding	25OCT06	11	08NOV06	2	155	0.00		24,882.78					
P2-121	Receive B2, Prep& Instl Cladding	30NOV06	11	14DEC06	2	145	0.00		24,882.78					



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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
P2-061	Receive B3, Prep& Instl Cladding	12JAN07	11	26JAN07	2	152	0.00		24,882.78						
P2-151	Receive B4, Prep& Instl Cladding	15FEB07	11	01MAR07	2	142	0.00		24,882.78						
P3-061	Receive B5, Prep& Instl Cladding	21MAR07	11	04APR07	2	150	0.00		24,882.78						
P3-151	Receive B6, Prep& Instl Cladding	24APR07	11	08MAY07	2	140	0.00		24,882.78						
P1-061	Receive A5, Prep& Instl Cladding	29MAY07	11	12JUN07	2	148	0.00		24,882.78						
P1-151	Receive A6, Prep& Instl Cladding	02JUL07	11	17JUL07	2	138	0.00		24,882.78						
P2-031	Receive C6, Prep& Instl Cladding	06AUG07	11	20AUG07	2	151	0.00		24,882.78						
Station 2-Winding, Instl Chill Plates,Tubing,Bag															
P1-011	Wind coil C1>>@150%	25OCT05A	63*	27JAN06A	2		118,006.56	100	118,006.56						
P1-011J	Complete Winding First Modular Coil		0	19DEC05A	2		0.00	100	0.00						
P1-020	Instl Chill Plates,Tubing, Bag C1>>@150%	31JAN06A	24*	03MAR06A	2		41,371.52	100	41,371.52						
P2-101	Wind coil C-3	31MAR06A	32*	15MAY06	2	140	6,966.38	7	116,377.76						
P2-110	Instl Chill Plates,Tubing,Bag C3	16MAY06	15	06JUN06	2	140	0.00		41,371.52						
P1-131	Wind coil C5	15JUN06	31	28JUL06	2	134	0.00		99,031.04						
P1-140	Instl Chl Plates,Tubing, Bag C5	31JUL06	15	18AUG06	2	134	0.00		34,856.32						
P3-011	Wind coil A2	21AUG06	31	03OCT06	2	134	0.00		99,031.04						
P3-020	Instl Chill Plates,Tubing, Bag A2	04OCT06	15	24OCT06	2	134	0.00		35,173.75						
P1-041	Wind coil B1	25OCT06	31	08DEC06	2	134	0.00		101,195.52						
P2-041JOU	JOULE FY07 Cmplt winding one-half modular coils		0	08DEC06	2	134	0.00		0.00						
P1-050	Instl Chl Plates,Tubing, Bag B1	11DEC06	15	08JAN07	2	134	0.00		35,618.16						
P1-071	Wind coil B2	09JAN07	31	20FEB07	2	134	0.00		101,195.52						
P1-080	Instl Chl Plates,Tubing,Bag B2	21FEB07	15	13MAR07	2	134	0.00		35,618.16						
P2-161	Wind coil B4	14MAR07	31	25APR07	2	134	0.00		101,195.52						
P2-170	Instl Chill Plates,Tubing,Bag B4	26APR07	15	16MAY07	2	134	0.00		35,618.16						
P3-161	Wind coil B6	17MAY07	31	29JUN07	2	134	0.00		101,195.52						
P3-170	Instl Chill Plates,Tubing,Bag B6	02JUL07	15	23JUL07	2	134	0.00		35,618.16						
P1-161	Wind coil A6	24JUL07	31	05SEP07	2	134	0.00		101,195.52						
P1-170	Instl Chill Plates,Tubing,Bag A6	06SEP07	15	26SEP07	2	134	0.00		35,618.16						
Station 4-Winding, Instl Chill Plates,Tubing,Bag															
P1-101	Wind coil C-2>>@125%	27JAN06A	46*	31MAR06A	2		116,377.76	100	116,377.76						
P1-110	Instl Chill Plates,Tubing,Bag C2>>@125%	03APR06	26*	08MAY06	2	133	0.00		41,371.52						
P3-101	Wind coil C4 incl cladding on c4 only	11MAY06	34	28JUN06	2	141	0.00		99,031.04						
P3-110	Instl Chill Plates,Tubing, Bag C4	29JUN06	15	20JUL06	2	141	0.00		34,856.32						
P2-011	Wind coil A1	21JUL06	31	01SEP06	2	141	0.00		99,031.04						
P2-020	Instl Chill Plates,Tubing, Bag A1	05SEP06	15	25SEP06	2	141	0.00		34,856.32						
P3-041	Wind coil A3	26SEP06	31	07NOV06	2	141	0.00		99,958.67						
P3-050	Instl Chl Plates,Tubing, Bag A3	08NOV06	15	30NOV06	2	141	0.00		35,618.16						
P3-131	Wind coil A4	01DEC06	31	22JAN07	2	141	0.00		101,195.52						
P3-140	Instl Chl Plates,Tubing, Bag A4	23JAN07	15	12FEB07	2	141	0.00		35,618.16						
P2-071	Wind coil B3	13FEB07	31	27MAR07	2	141	0.00		101,195.52						
P2-080	Instl Chill Plates,Tubing,Bag B3	28MAR07	15	17APR07	2	141	0.00		35,618.16						
P3-071	Wind coil B5	23APR07	31	05JUN07	2	138	0.00		101,195.52						
P3-080	Instl Chill Plates,Tubing,Bag B5	06JUN07	15	26JUN07	2	138	0.00		35,618.16						
P2-131	Wind coil A5	27JUN07	31	09AUG07	2	138	0.00		101,195.52						
P2-140	Instl Chl Plates,Tubing, Bag A5	10AUG07	15	30AUG07	2	138	0.00		35,618.16						
P2-041	Wind coil C6	31AUG07	31	15OCT07	2	144	0.00		101,740.29						
P2-050	Instl Chl Plates,Tubing, Bag C6	16OCT07	15	05NOV07	2	144	0.00		36,576.88						
Station 5-VPI															
P1-021V	VPI (Station 5) C1	06MAR06A	6*	13MAR06A	2		26,712.32	100	26,712.32						
P1-111V	VPI (Station 5) C2	09MAY06	9	17MAY06	1	378	0.00		26,712.32						

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
P1-111VCU	Post VPI Cleanup	18MAY06	7	26MAY06	1	258	0.00		0.00						
P2-111V	VPI (Station 5) C3	07JUN06	9	15JUN06	1	367	0.00		26,712.32						
P2-111VCU	Post VPI Cleanup	16JUN06	7	26JUN06	1	250	0.00		0.00						
P3-111V	VPI (Station 5) C4	21JUL06	9	29JUL06	1	341	0.00		26,712.32						
P3-111VCU	Post VPI Cleanup	31JUL06	7	08AUG06	1	233	0.00		0.00						
P1-141V	VPI (Station 5) C5	19AUG06	9	27AUG06	1	332	0.00		26,712.32						
P1-141VCU	Post VPI Cleanup	28AUG06	7	06SEP06	1	227	0.00		0.00						
P2-021V	VPI (Station 5) A1	26SEP06	9	04OCT06	1	312	0.00		26,712.32						
P2-021VCU	Post VPI Cleanup	05OCT06	7	13OCT06	1	212	0.00		0.00						
P3-021V	VPI (Station 5) A2	25OCT06	9	02NOV06	1	301	0.00		27,296.16						
P3-021VCU	Post VPI Cleanup	03NOV06	7	13NOV06	1	205	0.00		0.00						
P3-051V	VPI (Station 5) A3	01DEC06	9	09DEC06	1	285	0.00		27,296.16						
P3-051VCU	Post VPI Cleanup	11DEC06	7	19DEC06	1	195	0.00		0.00						
P1-051V	VPI (Station 5) B1	09JAN07	9	17JAN07	1	266	0.00		27,296.16						
P1-051VCU	Post VPI Cleanup	18JAN07	7	26JAN07	1	187	0.00		0.00						
P3-141V	VPI (Station 5) A4	13FEB07	9	21FEB07	1	249	0.00		27,296.16						
P3-141VCU	Post VPI Cleanup	22FEB07	7	02MAR07	1	174	0.00		0.00						
P2-141V	VPI (Station 5) B2	14MAR07	9	22MAR07	1	238	0.00		27,296.16						
P2-141VCU	Post VPI Cleanup	23MAR07	7	02APR07	1	192	0.00		0.00						
P2-081V	VPI (Station 5) B3	18APR07	9	26APR07	1	269	0.00		23,218.38						
P2-081VCU	Post VPI Cleanup	27APR07	7	07MAY07	1	179	0.00		0.00						
P3-081V	VPI (Station 5) B4	17MAY07	9	25MAY07	1	258	0.00		23,218.38						
P3-081VCU	Post VPI Cleanup	29MAY07	7	06JUN07	1	172	0.00		0.00						
P2-171V	VPI (Station 5) B5	27JUN07	9	05JUL07	1	237	0.00		23,218.38						
P2-171VCU	Post VPI Cleanup	06JUL07	7	16JUL07	1	159	0.00		0.00						
P3-171V	VPI (Station 5) B6	24JUL07	9	01AUG07	1	228	0.00		23,218.38						
P3-171VCU	Post VPI Cleanup	02AUG07	7	10AUG07	1	152	0.00		0.00						
P1-081V	VPI (Station 5) A5	31AUG07	9	08SEP07	1	208	0.00		27,296.16						
P1-081VCU	Post VPI Cleanup	10SEP07	7	18SEP07	1	140	0.00		0.00						
P1-171V	VPI (Station 5) A6	27SEP07	9	05OCT07	1	201	0.00		23,582.94						
P1-171VCU	Post VPI Cleanup	08OCT07	7	16OCT07	1	158	0.00		0.00						
P2-051V	VPI (Station 5) C6	06NOV07	9	14NOV07	1	214	0.00		23,843.34						
P2-051VCU	Post VPI Cleanup	15NOV07	7	23NOV07	1	460	0.00		0.00						
Station 1B Final Clamp Installation															
P1-021C	Final Clamps & Warm Test (Station1) C1	14MAR06A	5*	28MAR06A	1		12,378.88	100	12,378.88						
P1-021.1	Complete First Mod Coil Fabrication C1		0	28MAR06A	1		0.00		0.00						
P1-111C	Final Clamps & Warm Test (Station1) C2	03JUL06	8	13JUL06	1	274	0.00		12,378.88						
P2-111C	Final Clamps & Warm Test (Station1) C3	31JUL06	8	09AUG06	1	263	0.00		12,378.88						
P3-111C	Final Clamps & Warm Test (Station1) C4	10AUG06	8	21AUG06	1	263	0.00		9,772.80						
P1-141C	Final Clamps & Warm Test (Station1) C5	01SEP06	8	13SEP06	1	255	0.00		9,772.80						
P2-021C	Final Clamps & Warm Test (Station1) A1	09OCT06	8	18OCT06	1	238	0.00		9,772.80						
P3-021C	Final Clamps & Warm Test (Station1) A2	09NOV06	8	20NOV06	1	223	0.00		9,986.40						
P3-051C	Final Clamps & Warm Test (Station1) A3	15DEC06	8	03JAN07	1	207	0.00		9,986.40						
P1-051C	Final Clamps & Warm Test (Station1) B1	29JAN07	8	07FEB07	1	190	0.00		9,986.40						
P3-141C	Final Clamps & Warm Test (Station1) A4	02MAR07	8	13MAR07	1	174	0.00		9,986.40						
P2-141C	Final Clamps & Warm Test (Station1) B2	05APR07	8	16APR07	1	158	0.00		9,986.40						
P2-081C	Final Clamps & Warm Test (Station1) B3	09MAY07	8	18MAY07	1	199	0.00		9,986.40						
P3-081C	Final Clamps & Warm Test (Station1) B4	13JUN07	8	22JUN07	1	183	0.00		9,986.40						
P3-171C	Final Clamps & Warm Test (Station1) B5	18JUL07	8	27JUL07	1	167	0.00		9,986.40						
P2-171C	Final Clamps & Warm Test (Station1) B6	21AUG07	8	30AUG07	1	151	0.00		9,986.40						
P1-081C	Final Clamps & Warm Test (Station1) A5	10SEP07	8	19SEP07	1	146	0.00		9,986.40						

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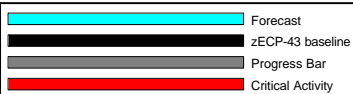


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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package.

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
P1-171C	Final Clamps & Warm Test (Station1) A6	08OCT07	8	17OCT07	1	134	0.00		10,255.20						
P2-051C	Final Clamps & Warm Test (Station1) C6	15NOV07	8	26NOV07	1	142	0.00		10,255.20						
LOE Oversight & Supervision															
171-000	Winding Preparations (LOE) FY05	01AUG05A	49*	30SEP05A			53,382.29		53,382.29						
171-040	Winding Oversight (LOE)	10OCT05A	506*	17OCT07		487	151,699.37	LOE	656,802.64						
171-041	Tech Supervision	10OCT05A	506*	17OCT07		487	71,073.84	LOE	307,723.60						
TITLE3W	Titel III Design ORNL- Component Fab & WINDING	10OCT05A	512*	25OCT07		481	44,908.00	LOE	196,084.05						
SSD-ST2	Second shift cost differential	25OCT05A	477*	21SEP07		505	7,104.00	LOE	32,000.00						
SSD-ST3	Second shift cost differential	27JAN06A	441*	25OCT07		481	3,328.00	LOE	32,000.00						
FY05CV-25	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			81,000.00		81,000.00						
Job: 1414 Coil Testing-Gettelfinger															
Twisted Racetrack Hardware Fabrication															
1409-141	Modify Cryostat for TRC	01APR05A	107*	31AUG05A			11,923.20	100	11,923.20						
1406-020	Begin Testing of Twisted RT in Coil test Stand	31AUG05A	0				0.00	100	0.00						
1406-021	Test Coil	10AUG05A	37*	30SEP05A			30,844.24	100	30,844.24						
1406-023	Hi-pot & Dissect Coil	03OCT05A	0*	31OCT05A			26,060.80	100	26,060.80						
Production Modular Coils															
1409-130	Production Cryostat Design	26SEP05A	26*	31OCT05A			6,839.71	100	6,839.71						
1409-135	Production Cryostat Fabr & Install	31JAN06A	71*	09MAY06		842	28,233.28	80	35,291.60						
1409-136	Valve/pump repairs&safety mods to cryo pp sys	01DEC05A	38*	31JAN06A			23,871.20	100	23,871.20						
1409-199	ACC review		0	09MAY06*		842	0.00		0.00						
162-100	Kickless cable testing	01FEB06A	11*	08MAR06A			0.00	100	0.00						
P1-021	Test Coil (Coil Test Stand) C1	10MAY06	7	18MAY06		842	0.00		30,321.24						
P2-021	Test Coil (Coil Test Stand) A1	19OCT06	7	27OCT06		729	0.00		23,237.70						
P1-051	Test Coil (Coil Test Stand) B1	08FEB07	7	16FEB07		657	0.00		18,967.19						
FY05CV-19	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			88,000.00		88,000.00						
Job: 1421-Mod Coil Interface Hardware-WILLIAMSON															
Coil-to-coil Interface Design															
1403-11.1	Describe interfaces as part of coil FDR's	01NOV04A	441*	07AUG06		787	29,079.88	90	31,229.25						
1403-16	Assembly bolts, nuts,washers	01OCT04A	454*	15SEP06		171	8,507.44	60	14,153.14						
1403-17	Assembly shims	01OCT04A	454*	15SEP06		171	12,374.46	60	20,586.38						
1403-18	Eccentric ball assembly	08NOV04A	428*	15SEP06		759	16,278.99	60	27,081.60						
1403-19	Top assembly dwgs for mod coil shell	01OCT04A	454*	15SEP06		759	18,561.69	60	30,879.58						
1403-19A	Bladder Details	01JUL05A	268*	15SEP06		171	4,498.26	20	22,460.70						
1403-20	3 coil assembly specification	29SEP06*	40	27NOV06		232	0.00		26,992.00						
1421-100	Submet Requisition for - Assy bolts,nuts,washers	18SEP06*	10	29SEP06		171	0.00		2,699.20						
1421-105	Procurement lead time for-Assty bolts,nuts,washer	02OCT06	40	28NOV06		171	0.00		0.00						
1421-110	Deliver - Assy bolts,nuts,washers	29NOV06	60	28FEB07		171	0.00		449,000.00						
1421-200	Submet Requisition for - Assembly shims	18SEP06*	10	29SEP06		171	0.00		2,699.20						
1421-205	Procurement lead time for - Assembly shims	02OCT06	40	28NOV06		171	0.00		0.00						
1421-210	Deliver - Assembly shims	29NOV06	60	28FEB07		171	0.00		138,000.00						
1421-400	Submet Requisition for - Bladders	18SEP06*	10	29SEP06		171	0.00		2,699.20						
1421-405	Procurement lead time for - Bladders	02OCT06	40	28NOV06		171	0.00		0.00						
1421-410	Deliver - Bladders	29NOV06	60	28FEB07		171	0.00		60,000.00						

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Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
15 - Structures															
Job: 1501 - Structures Design- DAHLGREN															
PDR/PBR Task List															
1501-105	Project PDR	07OCT03A	1	07OCT03A			0.00	100	0.00						
1501-109	Prepare FY 04 WP/WAF	31OCT03A	20	31OCT03A			12,360.00	100	12,360.00						
1501-113	Prepare PBR documentation	04NOV03A	10	18NOV03A			6,180.00	100	6,180.00						
1501-117	Performance baseline review		0	18NOV03A			0.00	100	0.00						
Reqmnts, Configuration, Interfaces and PDR															
1501-125	Update drawings & models based on vendor recomment	21OCT03A	30	26NOV03A			10,660.50	100	10,660.50						
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	124	30SEP04A			5,407.50	LOE	5,407.50						
1501-001	Prelim Design Structures	01JUL05A	110*	30SEP05A			45,443.75	100	0.00						
1501-201	Write ICD's	03APR06*	5	07APR06		287	0.00		0.00						
1501-205	Update Design/models	03APR06*	15	21APR06		292	0.00		0.00						
1501-209	Prepare SRD	10APR06	20	05MAY06		287	0.00		0.00						
1501-213	Approve ICD's	10APR06	20	05MAY06		297	0.00		0.00						
1501-217	Update stress analysis	24APR06	15	12MAY06		292	0.00		0.00						
1501-221	approve SRD	08MAY06	10	19MAY06		287	0.00		0.00						
1501-225	Write prelim purchase spec	08MAY06	10	19MAY06		287	0.00		0.00						
1501-229	Create Prelim Assemblies	24APR06	5	28APR06		302	0.00		0.00						
1501-233	PDR Preparation	22MAY06	5	26MAY06		287	0.00		0.00						
1501-PDR	PDR		0	26MAY06		287	0.00		0.00						
1501-241	Write final purchase spec	30MAY06	10	12JUN06		307	0.00		0.00						
1501-246	Update Models	30MAY06	10	12JUN06		287	0.00		0.00						
1501-249	Update Analysis	13JUN06	15	03JUL06		302	0.00		0.00						
1501-253	Prep Final Drawings	13JUN06	30	25JUL06		287	0.00		0.00						
1501-257	Detailed Hardware Analysis	13JUN06	10	26JUN06		307	0.00		0.00						
1501-261	Write Statement of work	13JUN06	10	26JUN06		307	0.00		0.00						
1501-265	Approve Purchase Spec	13JUN06	10	26JUN06		317	0.00		0.00						
1501-269	Check Analysis	05JUL06	10	18JUL06		302	0.00		0.00						
1501-273	Approve SOW	27JUN06	10	11JUL06		307	0.00		0.00						
1501-277	Prep Assy Dwgs	26JUL06	10	08AUG06		287	0.00		0.00						
1501-281	Prep for FDR	09AUG06	5	15AUG06		287	0.00		0.00						
1501-FDR	FDR		0	15AUG06		287	0.00		0.00						
Job:1550 - Structures Procurement -DAHLGREN															
1501-245	Prep Spec, Solicit Bids, and Evaluate Bids	30JUN06	65	02OCT06		254	0.00		0.00						
162-036.9	Award Coil Support Structure		0	02OCT06*		254	0.00		0.00						
162-037	WBS 151Coil Support Struc Procurement [A/1]	03OCT06	249	01OCT07		254	0.00		1,013,788.47						
162-031	Title III engr WBS 151	03OCT06	249	01OCT07		499	0.00		153,878.32						
153.037	WBS 153 Support Structure I&C Procurement/Fab	03OCT06*	249	01OCT07		499	0.00		9,022.42						
153.015	Title III design WBS 153 locall&C	03OCT06*	249	01OCT07		499	0.00		1,048.11						
16 - Coil Services															
Job: 1601 - Coil Services Design-WILLIAMSON															
161 - LN2 Distribution															
191-001	Title I design WBS 161 LN2 manifolds&piping	03JUL06*	65	03OCT06		357	0.00		57,375.70						
191-011	Title II design WBS 161 LN2 manifolds&piping	04OCT06	60	05JAN07		357	0.00		114,923.30						
191-031	Title III engr WBS 161	08JAN07	280	19FEB08		407	0.00		16,567.82						

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Forecast
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 Critical Activity

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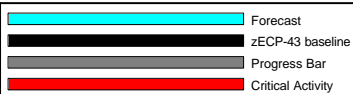
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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
191-037	Procurement WBS 161	08JAN07	130	10JUL07		357	0.00		72,677.54						
191-038	PDR#17	11JUL07*	86	08NOV07		471	0.00		62,325.80						
191-041	LN2 Manifolds & ppg Fab/assy/instl WBS 161	11JUL07*	62	05OCT07		357	0.00		33,821.56						
191-042	PDR #17,25,3	11JUL07*	65	10OCT07		492	0.00		10,785.36						
162 - Electrical Leads															
132-000	PDR #17 & 25	02OCT06	325	25JAN08		424	0.00		41,396.19						
132-001	Title I design WBS 162 Coil leads	02OCT06*	130	11APR07		291	0.00		153,159.10						
132-011	Title II design WBS 162 Coil leads	12APR07	130	15OCT07		291	0.00		153,686.42						
132-015	Title III design WBS 162 Coil leads	16OCT07*	60	18JAN08		429	0.00		18,618.16						
132-037	Coil Leads Procurement WBS 162	16OCT07*	60	18JAN08		291	0.00		314,186.10						
163 - Coil Protection System															
163.001	Title I design WBS 163 Coil protection	02OCT06*	65	10JAN07		644	0.00		42,744.60						
163.011	Title II design WBS 163 Coil protection	11JAN07	40	07MAR07		644	0.00		42,744.60						
17 - Cryostat and Base Support Structure															
Job:1701-Cryostat&Base Sprt Strct Dsn-GETTLEFINGER															
Prior Costs															
1701-001	Apr-Sept MIE Costs PPPL	01APR03A	54	30SEP03A			12,180.00	100	12,180.00						
FY05CV-27	FY05 unrecoverable cost variance	01OCT04A	257	30SEP05A			178,000.00		178,000.00						
Base Support															
161-001	Revise Preliminary Design for new supt locations	01APR04A	563*	30JUN06		366	46,258.45	90	50,414.92						
161-003	Base Support Struct PDR		0	30JUN06*		366	0.00		0.00						
161-011	Final Design Base Support Structure WBS 172	03JUL06	45	05SEP06		366	0.00		66,050.80						
172-199	Base Support Structure FDR		0	05SEP06		366	0.00		0.00						
Cryostat															
151-000	Adv Concep Design Cryostat shell & struct	01DEC03A	103*	31MAR04A			6,000.00	100	6,000.00						
151-001	Title I design WBS 171 cryostat	01APR04A	270*	29APR05A			125,850.61	100	125,850.61						
151-002	Cryostat PDR		0	29APR05A			0.00	100	0.00						
171-100	Investigate Alt Cryostat Architecture	01DEC05A	38*	31JAN06A			0.00	100	0.00						
171-101	Finalize cryostat penetrations for VV	03JAN06A	0*	31JAN06A			0.00	100	0.00						
171-102	Select gas-filled insulation-all svcs	03JAN06A	64*				0.00	95	0.00						
171-103	Finalize cryo midplane arch	03JAN06A	20*	31JAN06A			0.00	100	0.00						
171-104	Plan WBS 16 interface	22FEB06A	28*				0.00	5	0.00						
151-011	Final Design Cryostat WBS 171	04AUG06*	231	09JUL07		153	0.00		237,699.79						
171-199	Cryostat FDR		0	09JUL07		153	0.00		0.00						
Job: 1751 - Cryostat Procurement															
171 - Cryostat															
151-031	Title III engr	10JUL07	405	25FEB09		153	0.00		33,260.63						
151-036.8	Prep Spec, Solicit bids, and Select Vendor	10JUL07	65	09OCT07		153	0.00		0.00						
151-036.9	Award Cryostat Procurement		0	09OCT07*		224	0.00		0.00						
151-037	Cryostat Procurement [A/1]	10OCT07	141	06MAY08		224	0.00		507,236.35						
Job: 1752 - Base Support Structure Procurement															
172 - Base Support Structure															
161-031	Title III engr WBS 172	06FEB07	240	23JAN08		426	0.00		10,726.43						
161-036.8	Prep Spec, Solicit bids, and Select Vendor	06FEB07*	65	07MAY07		265	0.00		0.00						
161-036.9	Award Machine Base&supports Procurement		0	07MAY07		265	0.00		0.00						
161-037	Machine Base&supports Procurement [A/1]	08MAY07	90	13SEP07		265	0.00		300,678.83						

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
18 - Field Period Assembly															
Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)															
Prior Costs															
1801-001	Apr-Sept MIE Costs PPPL	01APR03A	42	30SEP03A			7,750.00	100	7,750.00						
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	42	30SEP03A			53,050.00	100	53,050.00						
Job: 1802 - FP Assy Oversight&Support-VIOLA															
Oversight and Supervision															
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04A	171*	30SEP04A			61,119.60	LOE	61,119.60						
181.201	D-Site Shift Supervisor LOE FY04	01JUL04A	64*	30SEP04A			25,920.40	LOE	25,920.40						
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04A	249*	30SEP05A			136,539.00	LOE	136,539.00						
181.222	HP Coverage in the TFTR TC LOE FY06	01OCT05A	250*	02OCT06		748	71,896.47	LOE	147,328.84						
181.220	HP Coverage in the TFTR TC LOE FY07	02OCT06*	250*	01OCT07		499	0.00		150,543.22						
181.221	HP Coverage in the TFTR TC LOE FY08	01OCT07*	250*	30SEP08		250	0.00		154,583.00						
181.100	PPPL EM LOE FY04	13OCT03A	242*	30SEP04A			77,518.74	LOE	77,518.74						
181.110	PPPL EM LOE FY05	01OCT04A	249*	30SEP05A			9,625.20	LOE	9,625.20						
181.120	PPPL EM LOE FY06	01DEC05A	209*	02OCT06		748	79,313.46	LOE	204,416.14						
181.2A	Procedure for VV prep	03APR06*	20	28APR06		283	0.00		0.00						
181.2B	Procedure for MC HP subassy	01AUG06*	15	21AUG06		299	0.00		0.00						
181.2C	Procedure for MC instl on VV	01SEP06*	15	22SEP06		332	0.00		0.00						
181.2D	Procedure for TF HP sub assy	02OCT06*	15	20OCT06		385	0.00		0.00						
181.2E	Procedure for Final FP assy	02JAN07*	15	22JAN07		310	0.00		0.00						
181.121	PPPL EM LOE FY07	02OCT06*	249*	28SEP07		500	0.00		260,099.10						
181.122	PPPL EM LOE FY08	01OCT07*	186*	30JUN08		314	0.00		200,288.00						
FY05CV-28	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			57,000.00		57,000.00						
Job: 1803- FP Assy Tool/Constructability-BROWN															
1.00-VV Prep Station															
1803-1.01	Concept definition and requirements	01FEB05A	10	28FEB05A			16,056.00	100	16,056.00						
1803-1.02	VV Support Fixture - model design& drawing detai	01FEB05A	73	31MAY05A			13,604.00	100	13,604.00						
1803-1.04	Metrology - sightline layout metrology support	13APR05A	18	31MAY05A			25,502.00	100	25,502.00						
1803-1.05	Structural / Seismic Analysis check	01FEB05A	86*	31MAY05A			13,220.00	100	13,220.00						
1803-1.06	Design review PDR VV Prep Station	01AUG05A	0*	10AUG05A			1,983.00	100	1,983.00						
1803-1.09	Safety Review documentation / presentation	02SEP05A	10	15SEP05A			2,644.00	100	2,644.00						
1803-1.061	Design review FDR VV Prep Station	16SEP05A	2	19SEP05A			1,983.00	100	1,983.00						
1803-1.07	Design check and sign-off	20SEP05A	30*	31OCT05A			3,636.96	100	3,551.65						
1803-1.10	Fab / Design Review - follow-up activities	20SEP05A	30*	31OCT05A			7,214.11	100	6,980.91						
1803-1.08	Prep & Issue dwgs,and requisition	31OCT05A	5*	31OCT05A			0.00	100	0.00						
1803-1.12	PPPL FAB - VV support Fixture (1st)	17OCT05A	77*	31JAN06A			23,307.00	100	23,307.00						
1803-1.13	PPPL FAB - VV support Fixture (2nd)	16DEC05A	53*	31JAN06A			0.00	100	0.00						
2.00-Half Period Assembly															
1803-2.01	Concept definition and requirements	03JAN05A	52*	28FEB05A			16,056.00	100	16,056.00						
1803-2.02	MC Holding Fixture - model design and drawing	01FEB05A	79*	29APR05A			21,728.00	100	21,728.00						
1803-2.04	Metrology - sightline layout design details metr	01AUG05A	77*	30SEP05A			15,209.60	100	15,209.60						
1803-2.05	Structural / Seismic Analysis	10APR06*	38	01JUN06		833	0.00		13,924.80						
1803-2.055	Update concept definition and reqmnts	10APR06*	10	21APR06		851	0.00		0.00						
1803-2.056	Right side HP support stand	24APR06*	10	05MAY06		851	0.00		0.00						
1803-2.06	PDR Half Period Assy	05JUN06*	1	05JUN06		225	0.00		0.00						
1803-2.061	FDR Half Period Assy	26JUN06*	19	21JUL06		212	0.00		0.00						
1803-2.08A	Prep & Issue Spec,dwgs,and requisition	24JUL06	3	26JUL06		212	0.00		0.00						

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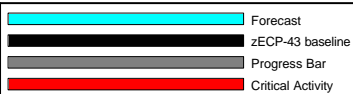
█ Forecast
█ zECP-43 baseline
█ Progress Bar
█ Critical Activity

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Progress Status and Earned Value Through March 31,2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year						
										FY05	FY06	FY07	FY08	FY09		
1803-2.08	Procurement Lead Time and Award	27JUL06	40	21SEP06		212	0.00		0.00							
1803-2.11	Fab MC HP Assy Fixtures (1)	22SEP06	65	02JAN07		212	0.00		31,889.46							
3.00-MC Installation																
1803-3.01	Concept definition and requirements	25OCT04A	5	29OCT04A			6,610.00	100	6,610.00							
1803-3.02	MC Turning Fixture and base - model design and d	15NOV04A	48*	31JAN05A			1,983.00	100	1,983.00							
1803-3.03	MC Gantry Crane - model design and drawing detai	29NOV04A	40*	31JAN05A			14,265.00	100	14,265.00							
1803-3.04	VV support stand - model design and drawing deta	29NOV04A	104*	29APR05A			8,849.00	100	8,849.00							
1803-3.05	Platform - design and drawing details	01FEB05A	7	29APR05A			9,179.50	100	9,179.50							
1803-3.084	Industry Info Meeting	21FEB05A	1	21FEB05A			0.00	100	0.00							
3.10 MC Turning Fixture-Industry Option																
1803-3.10A	Issue dwgs	02MAY05A	30	31MAY05A			20,243.80	100	20,243.80							
180303.10A	Issue RFP		0	31MAY05A			0.00	100	0.00							
1803-3.10C	Proposals Due		0	17JUN05A			0.00	100	0.00							
1803-3.14	DECISION ON APPROACH		0	31AUG05A			0.00	100	0.00							
3.20 MC Turning Fixture-Crane Option																
1803-3.30	Develop Crane Design Option	01MAY05A	6*	31MAY05A			0.00	100	0.00							
1803-3.33	Design Equivalent Test Simulation Model	16MAY05A	33*	17JUN05A			6,416.80	100	6,416.80							
1803-3.36	Design Test Track	20JUN05A	7	24JUN05A			6,416.80	100	6,416.80							
1803-3.39	Fab Test Track	27JUN05A	24*	29JUL05A			56,326.60	100	56,326.60							
1803-3.40	Site Prep	27JUN05A	5	30JUN05A			0.00	100	0.00							
1803-3.43	Assembly of Test Article	29JUL05A	5	29JUL05A			11,923.20	100	11,923.20							
1803-3.46	Metrology set-up	29JUL05A	5	29JUL05A			0.00	100	0.00							
1803-3.49	Run Test	29JUL05A	3	29JUL05A			11,004.00	100	11,004.00							
1803-3.50	Test Evaluation and Write up	31AUG05A	0*	31AUG05A			2,566.72	100	2,566.72							
1803-3.52	DECISION ON APPROACH		0	31AUG05A			0.00	100	0.00							
1803-3.15	MC Crane load support sys	22MAY06*	15	12JUN06		756	0.00	50	0.00							
1803-3.60	Laser Screen Guide Mods	13JUN06	10	26JUN06		756	0.00	50	0.00							
1803-3.62	VV support stand and misc fixtures	27JUN06	10	11JUL06		756	0.00	75	0.00							
1803-3.64	Mechanical screw drive system	12JUL06*	15	01AUG06		756	0.00		0.00							
1803-3.66	Metrology layout	02AUG06	5	08AUG06		756	0.00		0.00							
1803-3.07	Structural analysis Analysis	09AUG06*	30	20SEP06		756	0.00		27,849.60							
1803-3.15B	PDR Turning fixture & Base		0	09AUG06*		785	0.00		0.00							
1803-3.15E	FDR Turning fixture & Base		0	06SEP06*		209	0.00		0.00							
1803-3.07A	Issue drawing package	07SEP06*	35	25OCT06		209	0.00		0.00							
1803-3.08A	Issue RFP	26OCT06	10	08NOV06		209	0.00		0.00							
1803-3.08B	Recieve & Evaluate Bids	09NOV06	25	15DEC06		209	0.00		0.00							
1803-3.15D	Award Fabrication Contract		0	15DEC06		209	0.00		0.00							
1803-3.15C	Fab Crane Support & Laser screens	18DEC06	65	26MAR07		209	0.00		31,258.80							
4.00-TF HP Assembly																
1803-4.01	Concept definition and requirements	01MAR05A	5	28MAR05A			10,704.00	100	10,704.00							
1803-4.03	TF HP support turning fixture - model design d	01APR05A	15	30JUN05A			14,265.00	100	14,265.00							
1803-5.002	TF Rotation Fixture plus dwgs start	02MAY05A	129*	30SEP05A			32,592.00	100	32,592.00							
1803-4.06	TF support and rotation fixture	31JUL06*	20	25AUG06		333	0.00		0.00							
1803-4.06A	Metrology layout	28AUG06*	5	01SEP06		342	0.00		0.00							
1803-4.07	Structural Analysis	28AUG06*	15	18SEP06		333	0.00		13,924.80							
1803-4.08	PDR Final FP Assy	05SEP06	1	05SEP06*		342	0.00		0.00							
1803-4.081	FDR Final FP Assy	02OCT06	1	02OCT06*		324	0.00		0.00							
1803-4.10A	Prep & Issue Spec,dwgs,and req-pltfrm&sprts	09OCT06*	10	20OCT06		320	0.00		0.00							
1803-4.13	FAB-TF Support Stands (1)	23OCT06	65	31JAN07		320	0.00		13,230.15							

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Schedule					
										FY05	FY06	FY07	FY08	FY09	
5.00-Final FP Assembly															
1803-4.02	MC Support Stand - model design and drawing deta	01APR05A	89*	31MAY05A			14,265.00	100	14,265.00						
1803-5.001	Concept definition and requirements	02MAY05A	10	31MAY05A			10,704.00	100	10,704.00						
1803-4.04	FP Assembly platform - model design drawing det	01AUG05A	65*	30SEP05A			21,397.50	100	21,397.50						
1803-5.003	MC support stand	24JUL06*	25	25AUG06		220	0.00		0.00						
1803-5.004	Structural Analysis	26SEP06*	47	01DEC06		220	0.00		13,924.80						
1803-5.005	PDR	04DEC06	5	08DEC06*		220	0.00		0.00						
1803-5.006	FDR	11DEC06	5	15DEC06*		220	0.00		0.00						
1803-5.007	Pre & Issue Specs and Dwgs	18DEC06	5	22DEC06		220	0.00		0.00						
1803-5.008	Procurement Lead Time	02JAN07	40	26FEB07		220	0.00		0.00						
1803-5.009	Fabricate	27FEB07*	65	29MAY07		220	0.00		52,714.95						
1803-5.100	FP Assy Platform	28AUG06*	20	25SEP06		220	0.00		0.00						
1803-5.200	Metrology layout/support stand dwgs	26SEP06	45	29NOV06		222	0.00		0.00						
6.00-Interface/Test Activities															
1803-5.01	Finalize TFTR test cell FPA assembly layout draw	01JUN05A	42*	29JUL05A			9,066.40	100	9,066.40						
1803-5.03	Design MC assy test components	01JUN05A	25*	30JUN05A			32,112.00	100	32,112.00						
1803-5.04	Fab - Test Articles	01JUL05A	65*	30SEP05A			19,215.00	100	19,215.00						
1803-5.02A	Generate as built spherical seat dwg	03APR06*	0*	31MAR06		398	0.00		0.00						
1803-5.05	Run test/metrology measurements	03APR06*	0*	31MAR06		876	0.00		0.00						
1803-5.02	TFTR Test Cell FPA arrgmt dwg	05JUN06*	15*	23JUN06		817	0.00		0.00						
7.00-Oversight															
1803-7.01	Meetings Prep and Reporting	01NOV04A	230*	30SEP05A			114,037.05	LOE	114,037.05						
1803-7.02	Develop and maintain concept definition document	01NOV04A	230*	30SEP05A			9,915.00	LOE	9,915.00						
1803-7.03	Develop and maintain assembly plan document	01NOV04A	349*	30SEP05A			9,254.00	LOE	9,254.00						
1803-7.04	Mike Cole's FY05 on-site involvement in assembly	01NOV04A	230*	30SEP05A			24,800.00	LOE	24,800.00						
1803-7.10	Tom Brown Engineering	03OCT05A	249*	29SEP06		749	92,794.87	LOE	189,377.28						
1803-7.20	Design Activity	03OCT05A	249*	29SEP06		749	73,499.93	LOE	149,999.85						
Tooling Design & Fabrication															
713A.040	General procurements	02OCT06*	498	29SEP08		251	0.00		10,410.00						
713A.050	Welding tools, materials & equipt	02OCT06*	498	29SEP08		251	0.00		10,410.00						
713A.060	Instl He gas piping from NSTX to D-site tc NOT R	02OCT06*	65	10JAN07		378	0.00		0.00						
FY05CV-29	FY05 unrecoverable cost variance	01OCT04A	25*	30SEP05A			-148,000.00		-148,000.00						
Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS															
Metrology															
740.010	Final Design Measurement systems	19JAN04A	181*	30SEP04A			26,000.00	LOE	26,000.00						
740.011	3-D Scanner/Faro Arm FDR		0	30JAN04A			0.00		0.00						
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	10	30JAN04A			0.00		0.00						
740.030	Deliver 3-D Scanner & Romer Arm	01APR04A	10*	30APR04A			171,990.00	100	171,990.00						
740.030A	Romer Arm Training	06JUL04A	3*	08JUL04A			0.00	100	0.00						
740.031	Metrology Software Review		0	30JAN04A			0.00		0.00						
740.032	Prepare Met Software Requisition	30JAN04A	10	30JAN04A			0.00		0.00						
740.045	Purchase- second Faro Arm PE005330	01OCT04A	102	29OCT04A			70,455.00	100	70,455.00						
1803-8	Metrology Support (moved from 1803)	01NOV04A	230*	30SEP05A			101,133.00	LOE	101,133.00						
740.035	Deliver Metrology Software	03APR06*	1	03APR06		875	0.00		0.00						
740.100	Romer CMM- spare probes	03JAN06A	65	03JUL06		811	2,056.50	50	4,113.00						
740.105	Romer CMM-Software support&warranty renewal FY06	01OCT05A	249*	29SEP06		749	5,374.32	LOE	10,968.00						
740.106	Romer CMM-Software support&warranty renewal FY07	03OCT06*	249*	01OCT07		499	0.00		10,978.92						
740.107	Romer CMM-Software support&warranty renewal FY07	03OCT07*	248*	30SEP08		250	0.00		11,240.00						
740.108	Romer CMM-Software support&warranty renewal FY07	03OCT08*	248*	30SEP09		0	0.00		11,520.00						

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44 NCSX Sheet 35 of 53
Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
740.110	Romer CMM-Laptop for 2nd arm	01OCT05A	5	31OCT05A			5,484.00	100	0.00						
FY05CV-30	FY05 unrecoverable cost variance	01OCT04A	257	30SEP05A			68,000.00		68,000.00						
Job:1810 - Field Period Assembly-VIOLA															
Prep TFTR TC for Assembly operations															
740.020	Facility Prep	01MAR06A	150*	29SEP06		749	9,790.79	LOE	63,992.08						
S0P0-100	LOE Crane support, fixture setup for TFTR TC.	03APR06*	127*	29SEP06		749	0.00		70,282.72						
Stage 1 VV Prep (instl diag & insul)FP#1															
S1P1-101	Receive VV and inspect	16MAY06	1	16MAY06		272	0.00		7,818.24						
S1P1-101A	Prep for mounting on fixture,Instl flanges	17MAY06	3	19MAY06		272	0.00		0.00						
S1P1-102	Mount VV on VV Prep fixture (top side up)	22MAY06	1	22MAY06		272	0.00		977.28						
S1P1-103	Establish metrology setting; align VV base	23MAY06	4	26MAY06		272	0.00		5,863.68						
S1P1-103.1	Layout diagnostic&coolant paths on vsi w/templt	30MAY06	26	05JUL06		272	0.00		38,684.00						
S1P1-104	Install heater tape on vertical ports	06JUL06	4	11JUL06		272	0.00		0.00						
S1P1-105	Verify installation of heater tapes	12JUL06	1	12JUL06		272	0.00		0.00						
S1P1-107	Wind magnetic diagnostic sensors	13JUL06	21	10AUG06		272	0.00		77,368.00						
S1P1-107.1	Loop termination & verification	11AUG06	24	14SEP06		272	0.00		13,030.40						
S1P1-106	Attach studs for coolant lines	15SEP06	12	02OCT06		272	0.00		15,664.96						
S1P1-108	Install cooling/htg lines to vac vsi	03OCT06	24	03NOV06		272	0.00		47,934.72						
S1P1-109	Verify Instl of H/C lines,headers,manifolds	06NOV06	5	10NOV06		272	0.00		0.00						
S1P1-110	Install local I&C (incl thermocouples)	13NOV06	7	21NOV06		272	0.00		0.00						
S1P1-111	Verify installation of local I&C	22NOV06	3	28NOV06		272	0.00		0.00						
S1P1-116	Prepare and transfer completed VV to holding are	29NOV06	3	01DEC06		272	0.00		5,991.84						
Stage 1 VV Prep (instl diag & insul)FP#2															
S1P2-101	Receive VV and inspect	07JUN06	1	07JUN06		357	0.00		7,818.24						
S1P2-101A	Prep for mounting on fixture,Instl flanges	08JUN06	3	12JUN06		357	0.00		0.00						
S1P2-102	Mount VV on VV Prep fixture (top side up)	13JUN06	1	13JUN06		357	0.00		977.28						
S1P2-103	Establish metrology setting; align VV base	14JUN06	4	19JUN06		357	0.00		5,863.68						
S1P2-103.1	Layout diagnostic&coolant paths on vessel	20JUN06	26	26JUL06		357	0.00		19,545.60						
S1P2-104	Install heater tape on vertical ports	27JUL06	4	01AUG06		357	0.00		0.00						
S1P2-105	Verify installation of heater tapes	02AUG06	1	02AUG06		357	0.00		0.00						
S1P2-107	Wind magnetic diagnostic sensors	03AUG06	20	30AUG06		357	0.00		9,786.68						
S1P2-107.1	Loop termination & verification	31AUG06	22	02OCT06		357	0.00		13,315.20						
S1P2-106	Attach studs for coolant lines	03OCT06	12	18OCT06		357	0.00		15,978.24						
S1P2-108	Install cooling/htg lines to vac vsi	19OCT06	24	21NOV06		357	0.00		47,934.72						
S1P2-109	Verify Instl of H/C lines,headers,manifolds	22NOV06	5	30NOV06		357	0.00		0.00						
S1P2-110	Install local I&C (incl thermocouples)	01DEC06	7	11DEC06		357	0.00		0.00						
S1P2-111	Verify installation of local I&C	12DEC06	3	14DEC06		357	0.00		0.00						
S1P2-116	Prepare and transfer completed VV to holding are	15DEC06	3	19DEC06		357	0.00		5,991.84						
Stage 1 VV Prep (instl diag & insul)FP#3															
S1P3-101A	Prep for mounting on fixture,Instl flanges	29NOV06	3	01DEC06		272	0.00		0.00						
S1P3-101	Receive VV and inspect	07AUG06	1	07AUG06		350	0.00		7,946.40						
S1P3-102	Mount VV on VV Prep fixture (top side up)	04DEC06	1	04DEC06		272	0.00		998.64						
S1P3-103	Establish metrology setting; align VV base	05DEC06	4	08DEC06		272	0.00		5,991.84						
S1P3-104	Install heater tape on vertical ports	23JAN07	4	26JAN07		272	0.00		0.00						
S1P3-105	Verify installation of heater tapes	29JAN07	1	29JAN07		272	0.00		0.00						
S1P3-103.1	Layout diagnostic&coolant paths on vessel	11DEC06	25	22JAN07		272	0.00		19,972.80						
S1P3-107	Wind magnetic diagnostic sensors	30JAN07	20	26FEB07		272	0.00		9,819.96						
S1P3-107.1	Loop termination & verification	27FEB07	22	28MAR07		272	0.00		13,315.20						
S1P3-106	Attach studs for coolant lines	29MAR07	12	13APR07		272	0.00		15,978.24						

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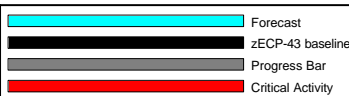
Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44 NCSX Sheet 36 of 53
Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
S1P3-109	Verify Instl of H/C lines,headers,manifolds	18MAY07	5	24MAY07		272	0.00	0.00							
S1P3-110	Install local I&C (incl thermocouples)	25MAY07	7	05JUN07		272	0.00	0.00							
S1P3-111	Verify installation of local I&C	06JUN07	3	08JUN07		272	0.00	0.00							
S1P3-108	Install cooling/htg lines to vac vsl	16APR07	24	17MAY07		272	0.00	47,934.72							
S1P3-116	Prepare and transfer completed VV to holding are	11JUN07	3	13JUN07		272	0.00	5,991.84							
S1SP-101	Attachdiagnostics, studs and coolant lines	20DEC06	32	09FEB07		483	0.00	31,956.48							
S2P1-100	Assemble Mod-Coils A1/A2, B1/B2	20MAR07	40	14MAY07		158	0.00	73,233.60							
S2P1-200	Assemble Mod-Coils C1/C2	15MAY07	20	12JUN07		158	0.00	73,233.60							
S2P2-100	Assemble Mod-Coils A3/A4, B3/B4	01JUN07	36	23JUL07		204	0.00	73,233.60							
S2P2-200	Assemble Mod-Coils C3/C4	24JUL07	18	16AUG07		204	0.00	73,233.60							
S2P3-100	Assemble Mod-Coils A5/A6, B5/B6	18OCT07	36	10DEC07		134	0.00	75,204.80							
S2P3-200	Assemble Mod-Coils C5/C6	11DEC07	18	14JAN08		134	0.00	75,204.80							
S3P1-000	Begin Assembly of First Field Period Assy	27MAR07	0			209	0.00	0.00							
S3P1-101	VV to MC turning fixt base; metr check	27MAR07	2	28MAR07		209	0.00	3,994.56							
S3P1-101.1	Attach local protective strips to VV&locate sens	29MAR07	2	30MAR07		209	0.00	2,663.04							
S3P1-102	Mount MC on crane; perform metr checks	13JUN07	2	14JUN07		158	0.00	3,994.56							
S3P1-103	Rotate right MC to stand-off position&chk	15JUN07	3	19JUN07		158	0.00	5,991.84							
S3P1-104	Transfer load to sprt sys and recheck position	20JUN07	2	21JUN07		158	0.00	3,994.56							
S3P1-105	Move MC turning fixt; mount MC on crane	22JUN07	1	22JUN07		158	0.00	1,997.28							
S3P1-106	Rotate left MC to stand-off position and check p	25JUN07	2	26JUN07		158	0.00	3,994.56							
S3P1-107	Move left & right MC to final position & measure	27JUN07	2	28JUN07		158	0.00	3,994.56							
S3P1-108	Install shims (as reqd); ream 24 holes	29JUN07	7	10JUL07		158	0.00	23,301.60							
S3P1-109	Bolt together at flange interface.	11JUL07	2	12JUL07		158	0.00	3,994.56							
S3P1-110	Perform final metrology position check	13JUL07	2	16JUL07		158	0.00	2,663.04							
S3P1-110.1	Remove temp interference strips&sensors	17JUL07	1	17JUL07		158	0.00	665.76							
S3P1-111	Secure VV to MC's using temporary supports.	18JUL07	2	19JUL07		158	0.00	3,994.56							
S3P1-112	Prep& xfr completed assembly to Stage 4 area	20JUL07	1	20JUL07		158	0.00	1,997.28							
S3P2-101	Mount VV to MC turning fixt base; metr check	23JUL07	2	24JUL07		212	0.00	3,994.56							
S3P2-101.1	Attach local protective strips to VV&locate sens	25JUL07	2	26JUL07		212	0.00	2,663.04							
S3P2-102	Mount MC on crane; perform metr checks	27JUL07	2	30JUL07		212	0.00	3,994.56							
S3P2-103	Rotate right MC to stand-off position&chk	31JUL07	3	02AUG07		212	0.00	5,991.84							
S3P2-104	Transfer load to supt sys and recheck position	03AUG07	2	06AUG07		212	0.00	3,994.56							
S3P2-105	Move MC turning fixt; mount MC on crane	17AUG07	1	17AUG07		204	0.00	1,997.28							
S3P2-106	Rotate left MC to stand-off position and check p	20AUG07	2	21AUG07		204	0.00	3,994.56							
S3P2-107	Move left & right MC to final position & measure	22AUG07	2	23AUG07		204	0.00	3,994.56							
S3P2-108	Install shims (as reqd); ream 24 holes	24AUG07	7	04SEP07		204	0.00	23,301.60							
S3P2-109	Bolt together at flange interface.	05SEP07	2	06SEP07		204	0.00	3,994.56							
S3P2-110	Perform final metrology position check	07SEP07	2	10SEP07		204	0.00	2,663.04							
S3P2-110.1	Remove temp interference strips&sensors	11SEP07	1	11SEP07		204	0.00	665.76							
S3P2-111	Secure VV to MC's using temporary supports.	12SEP07	2	13SEP07		204	0.00	3,994.56							
S3P2-112	Prep& xfr completed assembly to Stage 4 area	14SEP07	1	14SEP07		204	0.00	1,997.28							
S3P3-101	Mount VV to MC turning fixt base; metr check	17SEP07	2	18SEP07		207	0.00	3,994.56							
S3P3-101.1	Attach local protective strips to VV&locate sens	19SEP07	2	20SEP07		207	0.00	2,663.04							
S3P3-102	Mount MC on crane; perform metr checks	15JAN08	2	16JAN08		134	0.00	4,102.08							
S3P3-103	Rotate right MC to stand-off position&chk	17JAN08	3	21JAN08		134	0.00	6,153.12							

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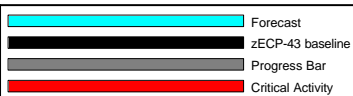


EC44 NCSX Sheet 37 of 53
Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year				
										FY05	FY06	FY07	FY08	FY09
S3P3-104	Transfer load to supt sysand recheck position	22JAN08	2	23JAN08		134	0.00		4,102.08					
S3P3-105	Move MC turning fixt; mount MC on crane	24JAN08	1	24JAN08		134	0.00		2,051.04					
S3P3-106	Rotate left MC to stand-off position and check p	25JAN08	2	28JAN08		134	0.00		4,102.08					
S3P3-107	Move left & right MC to final position & measure	29JAN08	2	30JAN08		134	0.00		4,102.08					
S3P3-108	Install shims (as reqd); ream 24 holes	31JAN08	7	08FEB08		134	0.00		23,928.80					
S3P3-109	Bolt together at flange interface.	11FEB08	2	12FEB08		134	0.00		4,102.08					
S3P3-110	Perform final metrology position check	13FEB08	2	14FEB08		134	0.00		2,734.72					
S3P3-110.1	Remove temp interference strips&sensors	15FEB08	1	15FEB08		134	0.00		683.68					
S3P3-111	Secure VV to MC's using temporary supports.	18FEB08	2	19FEB08		134	0.00		4,102.08					
S3P3-112	Prep& xfr completed assembly to Stage 4 area	20FEB08	1	20FEB08		134	0.00		2,051.04					
Station 5 - TF HP Pre-Assy (bolt 3 TF together)														
184-100	Assemble 3 TF coils&structure -Left-Period #1	13APR07	15	03MAY07		269	0.00		37,110.40					
184-105	Assemble 3 TF coils&structure -Right -Period #1	04MAY07	10	17MAY07		269	0.00		37,110.40					
184-110	Assemble 3 TF coils&structure -Left-Period #2	21MAY07	10	04JUN07		308	0.00		37,110.40					
184-115	Assemble 3 TF coils&structure -Right -Period #2	03JUL07	10	17JUL07		288	0.00		37,110.40					
184-120	Assemble 3 TF coils&structure -Left -Period #3	15AUG07	10	28AUG07		277	0.00		38,108.80					
184-125	Assemble 3 TF coils&structure -Right -Period #3	02OCT07	10	15OCT07		254	0.00		38,108.80					
Stage 4 - Final FP Assy (Instl ports & TF's)FP#1														
S4P1-101	Mount MC/VV assembly to support frame a	23JUL07	2	24JUL07		183	0.00		3,994.56					
S4P1-102	Position and weld all ports to VV	25JUL07	30	05SEP07	2	183	0.00		79,891.20					
S4P1-103	Inspect Welds	06SEP07	5	12SEP07		183	0.00		6,657.60					
S4P1-104	Assemble left TF Coil Assembly check position	13SEP07	3	17SEP07		183	0.00		7,989.12					
S4P1-105	Change platforms	18SEP07	2	19SEP07		183	0.00		3,994.56					
S4P1-106	Assemble right TF Coil Assembly chk position	20SEP07	3	24SEP07		183	0.00		7,989.12					
S4P1-107	Attach TF coils to MC's	25SEP07	3	27SEP07		183	0.00		5,991.84					
S4P1-108	Change platforms	28SEP07	2	01OCT07		184	0.00		5,326.08					
S4P1-109	Position, weld two large horizontal diag ports	02OCT07	8	11OCT07		184	0.00		15,978.24					
S4P1-110	Inspect Welds	12OCT07	1	12OCT07		184	0.00		1,331.52					
S4P1-111	Assemble external trim coils to TF Coil	25SEP07	15	15OCT07		183	0.00		19,972.80					
S4P1-112	Close up VV, leak check	16OCT07	10	29OCT07		183	0.00		54,120.96					
S4P1-113	Adjust final support base interfaces	30OCT07	10	12NOV07		183	0.00		4,102.08					
S4P1-113.5	Final metrology outside & inside	13NOV07	10	26NOV07		183	0.00		0.00					
S4P1-114	Prepare Field Period for shipment	27NOV07	2	28NOV07		183	0.00		4,102.08					
S4P1-115	Transfer completed assy to C-site test cell	03DEC07	2	04DEC07		183	0.00		6,836.80					
Stage 4 - Final FP Assy (Instl ports & TF's)FP#2														
S4P2-101	Mount MC/VV assembly to support frame a	17SEP07	2	18SEP07		204	0.00		3,994.56					
S4P2-102	Position and weld all ports to VV	19SEP07	30	30OCT07	2	204	0.00		80,679.68					
S4P2-103	Inspect Welds	31OCT07	5	06NOV07		204	0.00		6,836.80					
S4P2-104	Assemble left TF Coil Assembly check position	07NOV07	3	09NOV07		204	0.00		8,204.16					
S4P2-105	Change platforms	12NOV07	2	13NOV07		204	0.00		4,102.08					
S4P2-106	Assemble right TF Coil Assembly chk position	14NOV07	3	16NOV07		204	0.00		8,204.16					
S4P2-107	Attach TF coils to MC's	19NOV07	3	21NOV07		204	0.00		6,153.12					
S4P2-108	Change platforms	22NOV07	2	23NOV07		204	0.00		5,469.44					
S4P2-109	Position, weld two large horizontal diag ports	26NOV07	8	07DEC07		204	0.00		16,408.32					
S4P2-110	Inspect Welds	10DEC07	1	10DEC07		204	0.00		1,367.36					
S4P2-111	Assemble external trim coils to TF Coil	19NOV07	10	04DEC07		208	0.00		20,510.40					
S4P2-112	Close up VV, leak check	11DEC07	10	02JAN08		204	0.00		54,694.40					
S4P2-113	Adjust final support base interfaces	03JAN08	10	16JAN08		204	0.00		4,102.08					
S4P2-113.5	Final metrology outside & inside	17JAN08	10	30JAN08		204	0.00		0.00					
S4P2-114	Prepare Field Period for shipment	31JAN08	2	01FEB08		204	0.00		4,102.08					

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NCSX

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Progress Status and Earned Value Through March 31, 2006

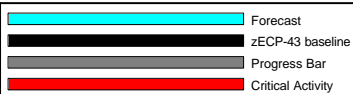
Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
S4P2-115	Transfer completed assy to C-site test cell	04FEB08	2	05FEB08		204	0.00		6,836.80						
Stage 4 - Final FP Assy (Instl ports & TF's)FP#3															
S4P3-101	Mount MC/VV assembly to support frame a	21FEB08	2	22FEB08	2	134	0.00		4,102.08						
S4P3-102	Position and weld all ports to VV*2 shift*	25FEB08	30	04APR08	2	134	0.00		82,041.60						
S4P3-103	Inspect Welds	07APR08	3	09APR08	2	134	0.00		6,836.80						
S4P3-104	Assemble left TF Coil Assembly check position	10APR08	1	10APR08	2	134	0.00		8,204.16						
S4P3-105	Change platforms	11APR08	1	11APR08	2	134	0.00		4,102.08						
S4P3-106	Assemble right TF Coil Assembly chk position	14APR08	2	15APR08	2	134	0.00		8,204.16						
S4P3-107	Attach TF coils to MC's	16APR08	1	16APR08	2	134	0.00		6,153.12						
S4P3-108	Change platforms	17APR08	1	17APR08	2	135	0.00		5,469.44						
S4P3-109	Position, weld two large horizontal diag ports	18APR08	4	23APR08	2	135	0.00		16,408.32						
S4P3-110	Inspect Welds	24APR08	1	24APR08	2	135	0.00		1,367.36						
S4P3-111	Assemble external trim coils to TF Coil	16APR08	8	25APR08	2	134	0.00		20,510.40						
S4P3-112	Close up VV, leak check	28APR08	5	02MAY08	2	134	0.00		54,694.40						
S4P3-113	Adjust final support base interfaces	05MAY08	5	09MAY08	2	134	0.00		4,102.08						
S4P3-113.5	Final metrology outside & inside	12MAY08	5	16MAY08	2	134	0.00		0.00						
S4P3-114	Prepare Field Period for shipment	19MAY08	1	19MAY08	2	134	0.00		4,102.08						
S4P3-115	Transfer completed assy to C-site test cell	20MAY08	1	20MAY08	2	134	0.00		6,836.80						
S4P3-115X	Last field period assembled		0	20MAY08	2	134	0.00		0.00						
19 - Stellarator Core Management and Integration															
Job: 1901 - Stellarator Core Mngtt&Integr-NELSON															
Prior Costs															
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	248	30SEP03A			187,090.00	100	187,090.00						
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	248	30SEP03A			67,070.00	100	67,070.00						
1901-ECP16	ecp16	01OCT03A	250*	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			101,500.00	LOE	101,500.00						
0191-5	LOE-FY05 WBS 191	01OCT04A	249*	30SEP05A			175,500.00	LOE	175,500.00						
0191-6	LOE-FY06 WBS 191	03OCT05A	249*	29SEP06		502	96,909.26	LOE	197,774.00						
0191-6X	LOE-FY07 WBS 191	03OCT06*	247	27SEP07		501	0.00	LOE	201,498.00						
0191-7	LOE-FY08 WBS 191	03OCT07*	247	29SEP08		251	0.00	LOE	99,976.00						
191-8	LOE-FY089 WBS 191	03OCT08*	130	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			234,660.11	LOE	234,660.11						
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	250*	30SEP04A			36,676.65	LOE	36,676.65						
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	271	30SEP04A			42,333.00	LOE	42,333.00						
192-6.07	Time constant calcs using SPARK	01APR04A	42*	28MAY04A			6,180.00	100	6,180.00						
192-6.08	Indep check time constant calcs using EDDYCUFF	01MAY04A	138*	30SEP04A			10,295.20	100	10,295.20						
192-6.09	Revised VV geometry	02FEB04A	6	27FEB04A			3,090.00	100	3,090.00						
192-6.10	MC interf during assly, geometry, assly trajecto	02FEB04A	31	27FEB04A			32,957.60	100	32,957.60						
192-6.11	Range of motion reqts for Assly MC fixture.	02FEB04A	20	27FEB04A			17,507.60	100	17,507.60						
192-6.12	Final Check & Verification	01MAY04A	6	28MAY04A			3,708.00	100	3,708.00						
192-6.2	Final Mod Coil Trajectories		0	27FEB04A			0.00		0.00						
192-6.5	Structural Design criteria		0	28MAY04A			0.00	100	0.00						
192-6.01	Document coil tolerance and trim coil requiremen	01MAR04A	357*	29JUL05A			19,284.37	100	19,284.37						
192-6.02	Check critical coil tolerance calculations.	01APR04A	207*	31JAN05A			11,098.48	100	11,098.48						
192-6.03	Method for determining current center	01FEB04A	234*	30DEC04A			86,626.35	100	86,626.35						
192-6.06	Coil positions to minimize islands.	02FEB04A	270	28FEB05A			66,401.76	100	66,401.76						
192-6.031	Demo Method for current center on TRC	18JUN05A	173*	28FEB06A			72,473.30	100	70,997.65						

Run Date	05MAY06 07:23	 Forecast  zECP-43 baseline  Progress Bar  Critical Activity	EC44	NCSX	Sheet 39 of 53	Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag
Progress Status and Earned Value Through March 31, 2006						

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Schedule				
										FY05	FY06	FY07	FY08	FY09
0192-5	LOE-FY05 WBS 192	01OCT04A	249*	30SEP05A			280,350.00	LOE	280,350.00					
0192-6	LOE-FY06 WBS 192	03OCT05A	249*	29SEP06		507	153,115.91	LOE	312,481.45					
0192-6X	LOE-FY07 WBS 192	03OCT06*	242	20SEP07		506	0.00	LOE	158,033.60					
0192-7	LOE-FY08 WBS 192	03OCT07*	242	22SEP08		256	0.00	LOE	151,531.40					
0192-99	LOE-FY09	01OCT08*	130	13APR09		120	0.00	LOE	101,860.00					
FY05CV-31	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			9,000.00		9,000.00					
21 - Fueling Systems														
Job: 2101 - Fueling Systems														
ECP 16 October 2004														
21-10	Eng. Work Planning and Design	02JAN07*	65	02APR07		227	0.00		6,205.50					
21-15	Design Gas Handling Hardware	03APR07	65	03JUL07		227	0.00		5,240.00					
21-20	Design PLC Controls	03APR07	65	03JUL07		292	0.00		10,353.60					
21-25	Electrical Drafting for pumping system	03APR07	65	03JUL07		292	0.00		14,203.20					
21-30	Drafting	03APR07	65	03JUL07		292	0.00		9,468.80					
21-35	Eng. Work Planning and Design during fab	05JUL07	65	04OCT07		292	0.00		3,548.94					
21-40	Fabrication/Install Hardware	05JUL07	65	04OCT07		227	0.00		3,933.25					
21-45	Fabrication/installation	05OCT07	65	16JAN08		227	0.00		23,523.50					
21-55	Install PLC Controls	05OCT07	65	16JAN08		227	0.00		5,316.40					
21-60	Integrated Systems Testing/Eng	05OCT07	65	16JAN08		227	0.00		3,641.60					
21-65	Integrated Systems Testing/Tech Support	17JAN08	45	19MAR08		227	0.00		2,658.20					
22 - Torus Vacuum Pumping Systems														
Job: 2001-VPS, Gas & Cond Sys Oversight-BLANCHARD														
Prior Costs														
2001-001	Apr-May MIE Cost	01APR03A	43*	30MAY03A			38,000.00	100	38,000.00					
2001-100	PDR Support	01JUN03A	164*	30SEP03A			25,667.20	LOE	25,667.20					
Job: 2201 - Vacuum Pumping Systems														
22-25	Eng. Work Planning and Design	01MAY07*	40	26JUN07		224	0.00		28,210.00					
22-30	Design PLC based control system	27JUN07	50	06SEP07		264	0.00		41,414.40					
22-35	Electrical Drafting for pumping system	27JUN07	50	06SEP07		284	0.00		24,855.60					
22-40	Drafting	27JUN07	50	06SEP07		224	0.00		18,937.60					
22-45	Eng. Work Planning and Design during fab	07SEP07	40	01NOV07		244	0.00		16,193.61					
22-50	Perform maint. & repair of pmpg sys	07SEP07	40	01NOV07		224	0.00		10,634.88					
22-55	Repair and Calibration of vac instrumentation	02NOV07	60	06FEB08		244	0.00		10,761.60					
22-60	Fabrication/installation	02NOV07	80	05MAR08		224	0.00		125,323.80					
22-65	Fab PLC conrols	02NOV07	80	05MAR08		224	0.00		66,225.60					
22-70	Integrated Systems Testing/Eng	06MAR08	20	02APR08		224	0.00		7,283.20					
22-75	Integrated Systems Testing/Tech Support	06MAR08	20	02APR08		224	0.00		5,316.40					
25 - Neutral Beam Injection System														
Job: 2501 - Neutral Beam Refurbishment-STEVENSON														
FY04 Work Plan														
2501-014	FY04 work accomplished	03NOV03A	227	30JUN04A			81,334.78		81,334.78					
2501-014.1	FY04 work closeout *TBD*	01JUL04A	64*	30SEP04A			48,614.06	LOE	48,614.06					
Prior Costs														
2501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A			123,000.00	100	123,000.00					

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package.

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
Refurbishment**CD-3 deleted scope															
25-099	FY04 work accomplished	01MAR04A	846*	30JUN04A			21,384.62		21,384.62						
Re-Install Beamline**CD-3 deleted scope															
25-190.1	33) Fabr BL alignment measur fixture,	01JUN04A	699*	30JUN04A			2,060.33		2,060.33						
Re-Install Cables**CD-3 deleted scope															
25-225.1	Cabling-Design & WP Procedures	01APR04A	872*	30JUN04A			4,812.60		4,812.60						
25-230.1	Cabling-Fabr and Install new Junction Box	02JUN04A	190	30JUN04A			727.68		727.68						
Beamline Connections**CD-3 deleted scope															
25-310.1	Drafting Labor Support	01JUN04A	298	30JUN04A			2,433.60		2,433.60						
31 - Magnetic Diagnostics															
Job: 3101 Magnetic Diagnostics															
Vacuum Vessel Saddle Loops															
3101-105	DEVELOP LOCATING, MOUNTING STRATEGY	01JAN05A	20	31JAN05A			1,000.00	100	1,000.00						
3101-109	INTEGRATE LOOP AND LEAD DESIGN WITH H/C	01JAN05A	40	28FEB05A			6,416.80	100	6,416.80						
3101-113	INTEGRATE LAYOUT, MEAS NEEDS W/ VSL METRO	01JAN05A	40	28FEB05A			3,208.40	100	3,208.40						
3101-117	DEVELOP CONSTRAINTS FOR ARRAY LAYOUT	01JAN05A	20	31JAN05A			0.00	100	0.00						
3101-121	LAYOUT CANDIDATE SENSOR ARRAY ON PRO-E VV	01FEB05A	20	28FEB05A			0.00	100	0.00						
3101-125	PDR PREP -VESSEL SADDLE LOOP MOUNTING	02MAY05A	5	31MAY05A			9,483.60	100	9,483.60						
3101-126	PEER REVIEW -VESSEL SADDLE LOOP MOUNTING		0	31MAY05A			0.00	100	0.00						
3101-129	DESIGN AND PROTOTYPE SADDLE LOOP	01MAR05A	107*	29JUL05A			7,643.52	100	7,643.52						
3101-133	Prototype loops on vsl proto segment using ARI	01MAR05A	107*	29JUL05A			6,189.20	100	6,189.20						
3101-137	FINAL OPTIMIZATION OF LOOP LOCATION, AREA	01JAN05A	193*	30SEP05A			0.00	100	0.00						
3101-149	PREPARE METROLOGY	01JUN05A	87*	31AUG05A			6,416.80	100	6,416.80						
3101-145	Procure MI Cable	26SEP05A	68*	23DEC05A			22,182.57	100	22,041.84						
3101-139	Develop ProE model of loops, flat dev, fiducials	26SEP05A	147*	28APR06		856	19,808.68	95	20,744.34						
3101-141	FDR PREP-	01DEC05A	96*	21APR06		292	5,205.30	50	10,410.60						
3101-142	FDR - VESSEL SADDLE LOOP TEMPLATES		0	16DEC05A			0.00	100	0.00						
3101-153	Fab Installation Templates (for FP assy)	01JAN06A	41*	28FEB06A			2,619.92	100	2,911.02						
3101-143	FDR - VESSEL SADDLE LOOP INSTALLATION		0	21APR06*		292	0.00		0.00						
3101-154	Fab Installation Templates (for spacers)	24APR06	5	28APR06		292	0.00		0.00						
3101-146	Procure remaining materials	01OCT05A	99*	28FEB06A			12,424.40	100	12,424.40						
3101-157	Design & fab tooling and clamps	01JUN05A	209*	31MAR06A			13,035.67	100	12,617.04						
3101-167	Design voltage loops	01DEC05A	101*	28APR06		418	2,949.67	85	3,470.20						
3101-169	Voltage loop connection peer review	01MAY06*	1	01MAY06		418	0.00		1,735.10						
3101-165	Identify lead wires at multiple locations	03APR06*	285*	21MAY07		591	0.00		8,437.42						
3101-161	SUPT LOOP INSTL 200 LOOPS), TESTING	13JUL06	154*	26FEB07		272	0.00		21,092.00						
3101-225	Terminate saddle loops (not required)	29NOV06	134*	13JUN07		272	0.00		28,729.20						
Modular Coil C-wound Loops															
3101-205	MOUNTING/LOCATING STRATEGY MC CO-WOUND	01JAN05A	20	31JAN05A			3,208.40	100	3,208.40						
3101-209	PROTOTYPE ON TWISTED RACETRACK	01MAR05A	20	31MAR05A			4,741.80	100	4,741.80						
3101-213	DESIGN TERMINATION	01MAR05A	130*	31AUG05A			7,302.40	100	7,302.40						
3101-221	PROCURE MATERIALS	25JUL05A	0*	29JUL05A			6,410.90	100	6,410.90						
3101-217	Peer review of lead routing	31JAN06A	0*	31JAN06A			6,940.40	100	6,940.40						
3101-230	Install heat shrink tubing on MI cable	31JAN06A	10	14APR06		138	1,810.26	15	12,068.40						
3101-229	SUPPORT NSTALLATION, TERMINATION, TESTING	01MAR06A	318*	05JUN07		138	2,633.66	75	7,001.96						
3101-231	Terminate MC co-wound loops	20JUL07	144*	20FEB08		134	0.00		11,589.70						
Rogowski Coils															
3101-301	LAYOUT LOCATION ROWGOSKI COIL &EST COIL	01JUN05A	166*	31JAN06A			4,924.69	100	4,885.57						
3101-305	work on coil design with vendor	03OCT05A	162*	26MAY06		836	2,082.12	60	3,470.20						

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
3101-309	DESIGN COIL MOUNTING TECHNIQUE	26SEP05A	127*	31MAR06A			3,459.89	100	3,458.30						
3101-313	DESIGN LEAD ROUTING AND TERMINATION	03APR06*	20	28APR06		379	0.00		3,470.20						
3101-317	PDR PREP- ROWGOWSKI COIL	01MAY06*	20	26MAY06		379	0.00		5,126.10						
3101-318	PDR - ROWGOWSKI COIL		0	26MAY06*		379	0.00		0.00						
3101-321	Specify Rogowski Coils	30MAY06*	10	12JUN06		379	0.00		3,470.20						
3101-325	FDR PREP ROWGOSKI COIL	13JUN06*	10	26JUN06		379	0.00		3,470.20						
3101-326	FDR - ROWGOSKI COIL		0	26JUN06		379	0.00		0.00						
3101-329	FAB ROWGOWSKI COILS (2)	27JUN06	10	11JUL06		379	0.00		24,035.20						
3101-337	INSTALL COILS AND TERMINATIONS	20JUL07	144*	20FEB08		134	0.00		4,448.85						
TF Co-wound Loops															
3101-401	MOUNTING/LOCATING TECHNIQUE TF CO-WOUND	25JUL05A	28*	31AUG05A			6,275.20	100	6,275.20						
3101-405	DESIGN TERMINATION N/R	03APR06	1	03APR06		875	0.00		0.00						
3101-409	FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	01AUG05A	20	31AUG05A			6,416.80	100	6,416.80						
3101-417	PROCURE MATERIALS	03APR06*	8	12APR06		536	0.00		10,325.20						
3101-425	INSTALL HEAT SHRINK CABLE	05JUL06	307*	24SEP07		479	0.00		0.00						
3101-429	INSTALL TERMINATIONS	20JUL07	144*	20FEB08		134	0.00		8,676.91						
Modular Coil Shell Saddle Loops															
3101-501	DETERMINE NUMEBR AND LOCATION OF LOOPS	03APR06*	59	23JUN06		757	0.00		6,623.60						
3101-505	MOUNTING/LOCATING TECHN MC SHELL SADDLE	26JUN06	20	24JUL06		757	0.00		6,782.00						
3101-513	PDR PREP -MC SHELL SADDLE LOOPS	25JUL06*	11	08AUG06		757	0.00		5,126.10						
3101-514	PDR-MC SHELL SADDLE LOOPS		0	08AUG06		757	0.00		0.00						
3101-521	FINALIZE LOOP LOCATION/MOUNTING TECHNIQUE	09AUG06*	8	18AUG06		757	0.00		10,252.20						
3101-525	FDR PREP - MC SHELL SADDLE LOOPS	21AUG06	11	05SEP06		757	0.00		6,940.40						
3101-526	FDR - MC SHELL SADDLE LOOPS		0	05SEP06		757	0.00		0.00						
3101-529	PROCURE MATERIALS	06SEP06	10	19SEP06		757	0.00		10,325.20						
3101-533	INSTALL MC SHELL SADDLE LOOPS	12JAN07*	223*	23NOV07		460	0.00		7,152.56						
3101-537	INSTALL TERMINATIONS	20JUL07	120	17JAN08		158	0.00		8,644.62						
Termination Boxes															
3101-333	Complete termination box design & prototyping	26SEP05A	47*	31OCT05A			10,833.80	100	9,842.60						
3101-421	FDR of terminations incl in saddle loop FDR	03APR06*	1	03APR06		855	0.00		0.00						
3101-422	Fab Prototype term. Box	03APR06*	20	28APR06		836	0.00		0.00						
3101-517	Fab termination boxes (24)	01MAY06	20	26MAY06		836	0.00		55,597.50						
3101-517A	Install termination boxes	03OCT06	173*	13JUN07		272	0.00		34,156.80						
FY05CV-32	FY05 unrecoverable cost variance	01OCT04A	25*	30SEP05A			30,000.00		30,000.00						
FY06CV-01	FY06 YTD cost vari (offset by scope reductions)	01OCT05A	251	28FEB06A			83,621.42		0.00						
36 - Edge and Divertor Diagnostics															
Job: 3601 - Edge and Divertor Diagnostics															
361-001	Design Visible Camera sys	04SEP07	40	29OCT07		190	0.00		11,997.15						
361-015	Fab/Assy/Installation Visible Camera	30OCT07*	130	09MAY08		190	0.00		33,584.00						
38 - Electron Beam (EB) Mapping															
Job: 3801 - Electron Beam Mapping															
380-010	Design-Beam Probe,Fluor. Screen	12OCT07	40	10DEC07		190	0.00		46,167.80						
380-015	Fab & Install Beam probe	11DEC07*	102	09MAY08		190	0.00		160,029.00						

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	Forecast
	zECP-43 baseline
	Progress Bar
	Critical Activity

EC44

NCSX

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
39 - Diagnostics Integration															
Job: 3901 - Diagnostics sys Integration-JOHNSON															
Prior Costs															
390-001	LOE Support FY03	01APR03A	151*	30SEP03A			155,450.00	100	155,450.00						
390-100	Finalize VV ports (number,size,locations)		0	30JUN04A			0.00	100	0.00						
390-110	Resolve port interferences.Final port config		0	30JUN04A			0.00	100	0.00						
390-120	Update port map&revise diag port assignments		0	31OCT05A			0.00	100	0.00						
390-130	Rvw status of existing ICD's w/VV & Mod Coils		0	31JAN06A			0.00	100	0.00						
390-140	Write ICD's-Define external space for diagnostic		0	31MAR06*		876	0.00	50	0.00						
390-150	Write ICD's-Define space f/racks in cntrl rm		0	31MAR06*		876	0.00	50	0.00						
390-160	Start recruiting diag team at HTPD conference		0	30JUN04A			0.00	100	0.00						
390-170	Develop space envelopes for SXR		0	31JAN06A			0.00	100	0.00						
390-180	Hold CDR's co-wound mag sensors&ext saddle loops		0	31OCT05A			0.00	100	0.00						
390-010	LOE Support FY04	01OCT03A	250*	30SEP04A			65,000.00	LOE	65,000.00						
390-015	LOE Support FY05 **reduced scope	01OCT04A	249*	30SEP05A			66,357.30	LOE	66,357.30						
390-020	LOE Support FY06	03OCT05A	249*	29SEP06		749	34,552.36	LOE	70,515.03						
FY05CV-33	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-12,000.00		-12,000.00						
41 - AC Power															
Job: 4101 - AC Power-RAMAKRISHNAN															
411 - Auxiliary AC Power Systems															
4101-100	Prepare Preliminary One line diagram	01MAR04A	173*	30SEP04A			8,442.00	100	8,442.00						
4101-100.1	Prepare Preliminary One line diagram	06OCT06*	173	18JUN07		572	0.00		1,076.96						
411-1-100	Ex-Test cell AC pwr-Reactivate& new instl	06OCT06*	241	24SEP07		504	0.00		60,631.46						
411-2-2	Grounding-Dsn	02OCT06*	86	08FEB07		368	0.00		31,305.04						
411-2-4	Grounding-Procure	09FEB07*	107	11JUL07		368	0.00		6,855.00						
411-2-6	Grounding-Install	10MAY07*	43	11JUL07		368	0.00		64,912.20						
411-2-8	Grounding-Commission	12JUL07*	29	21AUG07		368	0.00		16,005.68						
411-3-2	Test Cell AC Power Distr-Dsn	02OCT06*	186	29JUN07		404	0.00		3,741.36						
411-3-2.04	Test Cell AC Power fy04	01APR04A	186*	30SEP04A			73,000.00	100	73,000.00						
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfmrns)	01JUL05A	107*	30NOV06		548	8,956.74	20	44,766.45						
411-3-6	Test Cell AC Power Distr-Install	28SEP06*	358	14SEP07		351	15,349.98	50	30,098.24						
411-3-8	Test Cell AC Power Distr-Commission	13JUL07*	45	14SEP07		351	0.00		32,011.36						
411-4-2	Standby Power for Cryo Sys -Dsn	03APR06	0	31MAR06		876	0.00		0.00						
411-4-4	Standby Power for Cryo Sys -Procure	03APR06	0	31MAR06		876	0.00		0.00						
411-4-6	Standby Power for Cryo Sys -Install	03APR06	0	31MAR06		876	0.00		0.00						
412 - Experimental AC Power Systems															
412-1-2	D-site Pulsed AC Power Distr-Dsn	02OCT06*	128	09APR07		234	0.00		11,605.20						
412-1-4	D-site Pulsed AC Power Distr-Procure	10APR07	125	04OCT07		234	0.00		6,860.44						
412-1-6	D-site Pulsed AC Power Distr-Install	05OCT07	40	03DEC07		234	0.00		18,215.68						
412-1-8	D-site Pulsed AC Power Distr-Commission	04DEC07	40	06FEB08		234	0.00		10,866.80						
FY05CV-34	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			2,000.00		2,000.00						
43 - DC Systems															
Job: 4301 - DC Systems-RAMAKRISHNAN															
431 - C-Site DC Systems															
431-260	Power loop design	01NOV04A	350*	23DEC05A			111,112.40	100	112,929.53						

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Forecast
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Progress Status and Earned Value
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Reflects revised ETC Schedule forecasts.
 ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package.

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
431-200	Condition/spare parts inventory	01OCT04A	371	30JUL07		543	16,945.08	95	17,739.04						
431-210	Organize & verify documentation	01OCT04A	371	31JUL07		542	43,338.49	95	45,393.09						
431-215	Document status	01OCT04A	371	30JUL07		543	5,775.57	90	6,392.85						
431-225	Reactivate DF & PEI units	01JUL05A	186	30JUL07		543	10,780.21	90	11,915.33						
431-230	Load test	01JUL05A	186	27JUL07		544	14,587.16	90	16,134.16						
431-240	Simulate each of 6 pwr loops in PSCAD	02JUL07*	40	27AUG07		523	0.00		13,447.20						
431-250	c-site dc sys DGS dsn documentation	02JUL07*	40	27AUG07		523	0.00		7,322.64						
431-261	Redo power loop design	02JUL07*	40	27AUG07		242	0.00		0.00						
431-265	Fabricate bus components	28AUG07*	55	13NOV07		242	0.00		17,600.64						
431-275	Power cabling & Installation	14NOV07*	88	27MAR08		242	0.00		214,510.20						
431-276	Maint of C-site rectifiers	02OCT06*	249	28SEP07		500	0.00		0.00						
FY05CV-35	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			69,000.00		69,000.00						
44 - Control and protection Systems															
Job: 4401 - Control & Protection-RAMAKRISHNAN															
441 - Electrical Interlocks															
441-095	Design Interlock sys	03OCT06*	118	27MAR07		212	0.00		32,679.20						
441-097	Install Interlock sys	28MAR07	119	13SEP07		297	0.00		29,272.00						
441-100	PLC Specification	28MAR07	85	26JUL07		212	0.00		14,118.32						
441-105	Prep Block diagrams	28MAR07	85	26JUL07		212	0.00		17,224.40						
441-110	PLC CWD's & Cabling	27JUL07*	85	23NOV07		212	0.00		22,685.24						
441-115	deliver PLC	27JUL07*	85	23NOV07		460	0.00		70,250.00						
441-120	Program PLC Logic	26NOV07	45	07FEB08		415	0.00		23,004.80						
441-125	Program Control pages	26NOV07	97	21APR08		363	0.00		24,097.84						
441-130	Pre-commissioning tests	14SEP07	214	24JUL08		297	0.00		24,377.02						
441-135	Install I/O Cabling	26NOV07	248	21NOV08		212	0.00		119,268.19						
442 - Kirk Key Interlocks															
442-1-2	Kirk Keys-Dsn	02OCT06*	41	29NOV06		288	0.00		16,339.60						
442-1-4	Kirk Keys-Procure	30NOV06	158	19JUL07		288	0.00		13,710.00						
442-1-6	Kirk Keys-Install	20JUL07	40	14SEP07		288	0.00		44,123.84						
442-1-8	Kirk Keys-Commission	01OCT07	30	09NOV07		288	0.00		7,202.24						
443 - Real Time Control Systems															
443-1-2	Develop Control Algorithms-Dsn	23APR07*	142	09NOV07		262	0.00		13,819.68						
444 - Instrument Systems															
444-2-2	DC Potential Transducers (DCPTs)-Dsn	02OCT06*	95	21FEB07		454	0.00		11,224.08						
444-2-4	DC Potential Transducers (DCPTs)-Procure	22FEB07	109	26JUL07		454	0.00		8,226.00						
444-2-6	DC Potential Transducers (DCPTs)-Install	27JUL07	51	08OCT07		454	0.00		19,328.29						
444-2-8	DC Potential Transducers (DCPTs)-Commission	09OCT07	40	05DEC07		454	0.00		12,588.60						
444-3-2	DC Shunts-Dsn	02OCT06*	122	30MAR07		451	0.00		16,339.60						
444-3-4	DC Shunts-Procure	02APR07	101	22AUG07		451	0.00		61,695.00						
444-3-6	DC Shunts-Install	23AUG07	51	02NOV07		451	0.00		55,304.86						
444-3-8	DC Shunts-Commission	05NOV07	24	10DEC07		451	0.00		17,754.00						
444-4-2	Signal Conditioning & Cabling-Dsn	01JUL05A	165*	28FEB07		442	6,311.87	15	42,074.20						
444-4-4	Signal Conditioning & Cabling-Procure	01JUL05A	511*	18JUL07		442	2,431.29	15	16,025.33						
444-4-6	Signal Conditioning & Cabling-Install	15AUG07	68	19NOV07		442	0.00		27,988.59						
444-4-8	Signal Conditioning & Cabling-Commission	20NOV07	22	21DEC07		442	0.00		17,226.72						
445 - Coil Protection Systems															
445-1-2	Ground Fault Protection-Dsn	02OCT06*	82	02FEB07		405	0.00		34,815.60						
445-1-4	Ground Fault Protection-Procure	27NOV06*	130	05JUN07		319	0.00		24,678.00						

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Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Schedule					
										FY05	FY06	FY07	FY08	FY09	
445-1-6	Ground Fault Protection-Install	06JUN07*	40	01AUG07		319	0.00		23,142.56						
445-1-8	Ground Fault Protection-Commission	30AUG07	20	27SEP07		319	0.00		9,911.12						
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04A	272	30SEP04A			1,054.90		1,054.90						
445-2-105	Overload Protect-Write spec and approve	01DEC06*	20	05JAN07		458	0.00		13,741.60						
445-2-110	Overload Protect-Design	08JAN07	80	27APR07		468	0.00		74,788.80						
445-2-115	Overload Protect-Fabr 4 chassis 120 modls	30APR07*	79	20AUG07		468	0.00		70,309.68						
445-2-120	Overload Protect-Test 4 units	21AUG07	20	18SEP07		468	0.00		24,095.20						
445-2-125	Overload Protect-Install & Rack wiring	19SEP07	20	16OCT07		468	0.00		46,195.73						
445-2-130	Overload Protect-Write & perform ISTEP	17OCT07	20	13NOV07		468	0.00		24,744.00						
445-2-135	Overload Protect-Documentation	08JAN07*	180	19SEP07		507	0.00		25,808.40						
445-2-140	Overload Protection&cabling design,procure instl	01DEC06*	249	27NOV07		458	0.00		144,022.27						
FY05CV-36	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			49,000.00		49,000.00						
45 - Power System Design and Integration															
Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN															
Prior Costs															
4501-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A			112,340.00	100	112,340.00						
451 - System Design & Interfaces															
4501-100	Design Drawings	02FEB04A	193*	30SEP04A			19,807.80	100	19,807.80						
4501-110	Calculations-FY04	01MAR04A	151*	30SEP04A			0.00	100	0.00						
451-0-1	C-Site Decision	30APR04A	0	30APR04A			0.00	100	0.00						
451-7-2	FDR DC transmission-Dsn	01MAY04A	0*	28MAY04A			10,084.00	100	10,084.00						
451-7-20	FDR DC transmission		0	28MAY04A			0.00	100	0.00						
451-2-1	CDR Power system -Dsn	01DEC04A	208*	31AUG05A			41,299.20	100	41,299.20						
451-0-2	Develop SRD	03APR06	15	21APR06		861	0.00		0.00						
451-3-2	Dwgs,asbuilts -Elect Dsn	02OCT06*	499*	30SEP08		250	0.00		166,541.26						
451-2-2	PDR Prep Power system -Dsn	03APR06*	20	28APR06		816	0.00		45,427.20						
451-2-3	PDR Power system -Dsn		0	28APR06		856	0.00		0.00						
451-6-2	FDR C-Site -Cabling	01SEP05A	143	27AUG07		523	677.56	2	33,021.75						
451-2-2.1	FDR C-Site	01NOV05A	101	27AUG07		523	685.63	2	34,196.10						
451-4-2	FDR AC auxiliaries & grounding-Dsn	02JUL07*	45	04SEP07		518	0.00		11,605.20						
451-1-2	Calculations-Dsn	02OCT06*	249*	28SEP07		500	0.00		55,340.73						
452 - Electrical Systems Support															
452-1-2	Diagnostics AC Power Distr-Dsn	03OCT06*	72	22JAN07		190	0.00		89,492.00						
452-1-4	Diagnostics AC Power Distr-Procure	23JAN07	182	08OCT07		190	0.00		1,372.12						
452-1-6	Diagnostics AC Power Distr-Install	09OCT07	105	14MAR08		190	0.00		79,841.60						
452-1-8	Diagnostics AC Power Distr-Commission	20MAR08	37	09MAY08		190	0.00		31,462.80						
452-2-2	Diagnostics sensor cabling-Dsn	03OCT06*	61	05JAN07		238	0.00		25,808.40						
452-2-4	Diagnostics sensor cabling-Procure	08JAN07	185	26SEP07		238	0.00		2,742.00						
452-2-6	Diagnostics sensor cabling-Install	27SEP07	65	08JAN08		238	0.00		22,242.90						
452-2-8	Diagnostics sensor cabling-Commission	09JAN08	40	04MAR08		238	0.00		6,292.56						
453 - System Testing (PTP's)															
453-1-2	New Procedures	06OCT06*	90	20FEB07		343	0.00		69,631.20						
453-1-4	Preop Testing-Procure test equipt	21FEB07*	160	05OCT07		343	0.00		34,301.56						
453-1-8	Testing PTPs, -ISTPs	19OCT07*	100	19MAR08		234	0.00		213,785.76						
FY05CV-37	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-52,000.00		-52,000.00						

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 Forecast
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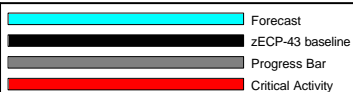
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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
46 - FCPC Building Modifications															
Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN															
Prior Costs															
4601-001	Apr-Sept MIE Cost	01APR03A	43*	30SEP03A			1,300.00	100	1,300.00						
51 - TCP/IP Infrastructure Systems															
Job: 5101 - TCP/IP Infrastructure Systems															
51-10	Preliminary Design (Title I)	01OCT07*	45	04DEC07		227	0.00		6,260.40						
51-20	Final Network Design (Title II)	05DEC07	20	10JAN08		227	0.00		6,260.40						
51-30	Installation, Testing, Documentation (Title III)	11JAN08	120	27JUN08		227	0.00		267,865.10						
52 - Central Instrumentation & Control															
5201 - I&C Systems															
52-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07		164	0.00		22,288.16						
52-20	Final Design (Title II)	06NOV07	87	18MAR08		164	0.00		54,935.01						
52-30	Installation, Testing, Documentation (Title III)	19MAR08	135	26SEP08		164	0.00		452,889.24						
53 - Data Acquisition & Facility Computing															
5301 - Data Acquisition															
53-10	Preliminary Design (Title I)	04SEP07*	45	05NOV07		186	0.00		26,312.41						
53-20	Final Design (Title II)	06NOV07	65	15FEB08		186	0.00		51,648.30						
53-30	Coding, Configuration, Testing (Title III)	18FEB08	135	26AUG08		186	0.00		251,112.12						
54 - Facility Timing & Synchronization															
Job: 5401 - Facility Timing & Synchronization															
54-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07		166	0.00		18,624.69						
54-20	Final Design (Title II)	06DEC07	65	14MAR08		166	0.00		21,285.36						
54-30	Installation, Testing, Documentation (Title III)	17MAR08	135	24SEP08		166	0.00		155,913.06						
55 - Real Time Plasma & Power Supply Control Sys															
5501 - Real Time Control System															
55-10	Preliminary Design (Title I)	02OCT07*	45	05DEC07		226	0.00		12,520.80						
55-20	Final Design (Title II)	06DEC07	20	11JAN08		226	0.00		12,520.80						
55-30	Installation, Testing, Documentation (Title III)	14JAN08	120	30JUN08		226	0.00		154,289.80						
56 - Central Safety Interlock Systems															
Job: 5601 - Central Safety Interlock Systems															
56-10	Preliminary Design (Title I)	02OCT07*	87	12FEB08		171	0.00		21,285.36						
56-20	Final Design (Title II)	13FEB08	45	15APR08		171	0.00		21,285.36						
56-30	Installation, Testing, Documentation (Title III)	16APR08	108	17SEP08		171	0.00		282,928.13						

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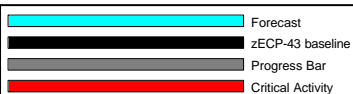
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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package.

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
57 - Control Room Facility															
Job: 5701 - Control Room Facility															
57-10		03APR06	0	31MAR06		876	0.00		0.00						
58 - Central I&C management and Integration															
Job: 5801 -Central I&C Integr & Oversight-SICHTA															
51-00	FY03	01APR03A	250*	30SEP03A			11,900.00	LOE	11,900.00						
51-01	FY04 LOE support	01OCT03A	250*	30SEP04A			16,000.00	LOE	16,000.00						
51-02	FY05 LOE support	01OCT04A	249*	30SEP05A			12,462.26	LOE	12,462.26						
FY05CV-38	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-7,000.00		-7,000.00						
61 - Water Systems															
Job:6101 - Water Systems															
613 - Vacuum Pumping System															
623.011	Design WBS 612	01NOV07*	59	04FEB08		214	0.00		24,290.40						
623.013	FDR WBS 612		0	04FEB08		214	0.00		0.00						
632.021	WBS 612 Assembly/Fabrication/Installation	05FEB08	40	31MAR08		214	0.00		67,981.38						
613 - Vacuum Pumping System															
623.012	PDR WBS 612	17DEC07	0			243	0.00		0.00						
62 - Cryogenic Systems															
Job: 6201 - Cryogenic Systems															
621 - LN2-LHe Supply System															
631-001	Preliminary Design	02JUL07*	65	02OCT07		240	0.00		15,792.79						
631-010	Final Design**reduced scope	03OCT07	65	14JAN08		240	0.00		18,149.92						
631-020	Procurement **reduced scope	15JAN08	88	15MAY08		240	0.00		123,078.00						
631-015	Fab/Assy/Installation**reduced scope	11MAR08	65	10JUN08		240	0.00		71,991.50						
622 - LN2 Coil Cooling Supply															
632-001	**deleted scope	03APR06	0	31MAR06		876	0.00		0.00						
623 - GN2 Cryostat Cooling System															
633-001	Preliminary Design	02JUL07*	40	27AUG07		250	0.00		15,779.70						
633-020	Procurement	14NOV07	130	27MAY08		250	0.00		112,329.75						
633-010	Final Design	28AUG07	55	13NOV07		250	0.00		25,644.50						
633-015	Fab/Assy/Installation	24JAN08	88	27MAY08		250	0.00		72,266.88						
63 - Utility Systems															
Job: 6301 - Utility Systems															
640.011	Design GN2, Air & Vent Systems	01OCT07*	59	02JAN08		249	0.00		34,014.40						
640.021	Assembly/Fabrication	03JAN08	40	27FEB08		249	0.00		72,889.52						
64 - PFC/VV Heating & Cooling*ELIMINATED*															
Job: 6401 - PFC/VV Heating & Cooling															
650.001	Eliminated scope	03APR06	0	31MAR06		876	0.00		0.00						

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Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
65 - Facility Systems Integration															
Job: 6163 - Facility Systems Support FY04															
65-03	LOE WBS 6	01OCT03A	250*	30SEP04A			15,000.00	LOE	15,000.00						
Job: 6501 - Facility Systems Integration-DUDEK															
Prior Costs															
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	0	30SEP03A			9,380.00	100	9,380.00						
71 - Shield Wall Seismic Modifications															
Job: 7101 - Shield Wall Modif Design-PERRY															
Prior Costs															
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A			32,150.00	100	32,150.00						
72 - Control Room Refurbishment															
Job: 7201 - Control Room Walls&Floors-PERRY															
710.001	Install Wall east side control room	02OCT06*	24	02NOV06		707	0.00		0.00						
711B.050	Complete Control Room Flooring	03NOV06*	18	30NOV06		707	0.00		9,097.92						
73 - Platform Design & Fabrication															
Job: 7301 - Platform Design & Fab-PERRY															
712.008	Update Platform Specification	01JUN05A	0*	30JUN05A			6,416.80	100	6,416.80						
712.010	Final Design	02MAY05A	43*	30JUN05A			53,163.80	100	53,163.80						
711A.040	Platform nut plates	01APR05A	187*	22DEC06		691	26,209.21	90	29,112.91						
712.020	Platform Parts	02OCT06*	22	31OCT06		727	0.00		25,591.00						
712.030	Miscs Hardware/Material	01JUL05A	83*	31OCT06		379	36,414.50	80	45,488.05						
FY05CV-39	FY05 unrecoverable cost variance	01OCT04A	257	30SEP05A			-50,000.00		-50,000.00						
74 - Machine Assembly Planning and Oversight															
Job: 7401 - TC Prep & Mach Assy Planning-PERRY															
Oversight and Supervision															
711A.020	LOE FY04	01OCT03A	256*	30SEP04A			148,582.46	LOE	148,582.46						
Prior Costs															
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	66	30SEP03A			164,000.00	100	164,000.00						
Project Scope															
714.010	LOE FY05	01OCT04A	249*	30SEP05A			109,972.42	LOE	109,972.42						
714.020	LOE FY06 prior to assy starting	02OCT06*	187*	02JUL07		562	0.00		53,510.98						
714.030	LOE FY07 thru first plasma	02JUL07*	434*	31MAR09		129	0.00		877,620.95						
FED/Infrastructure Support (non Project cost)															
613.010	Remove Shield Walls ** GPP **	01APR04A	64*	22JUN04A			0.00	100	0.00						
613.015	Fabricate New Bottom Course of Blocks **GPP**	01APR04A	207*	31JAN05A			0.00	100	0.00						
613.017	Install New Bottom Course **GPP**	01AUG05A	0*	31AUG05A			0.00	100	0.00						
613.020	Remove south PLT shielding (cc 7230)	01JUN04A	0*	22JUN04A			0.00	100	0.00						
613.025	Dispose of old south PLT shielding **GPP**	01AUG04A	0*	31AUG04A			0.00	100	0.00						
EXFAC003	Clear PBX control room & Safe PBX (cc7230)	27JAN03A	110*	30JUN03A			0.00	100	0.00						
EXFAC004	Remove Fire protection PLT wall (cc7230)	01MAY03A	27	09MAY03A			0.00	100	0.00						
EXFAC005	Remove Fire Protection under platform (cc7230)	01APR03A	21	30APR03A			0.00	100	0.00						
EXFAC006	Remove Fire Protection Control rm walls(cc7230)	01MAY03A	27	09MAY03A			0.00	100	0.00						

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Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44 **NCSX** Sheet 48 of 53
Progress Status and Earned Value
Through March 31, 2006

Reflects revised ETC Schedule forecasts.
ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
EXFAC007	Remove PBX Base Plates cc7230)	25FEB04A	48*	12MAR04A			0.00	100	0.00						
GPP001	GPP-Upgarde C-Site central chilled wtr plant*TBD	01OCT02A	1	01OCT02A			0.00	100	0.00						
GPP004	GPP-Roofing Design	01APR04A	29†	31MAY05A			0.00	100	0.00						
GPP004.1	GPP-Roofing Install	01MAY05A	0	31MAY05A			0.00	100	0.00						
GPP005	GPP-Test Cell lighting Design	01APR04A	206*	31JAN05A			0.00	100	0.00						
GPP005.1	GPP-Test Cell lighting Install ***TBD**	02MAY05A	0	31MAY05A			0.00	100	0.00						
GPP006	GPP-Test Cell HVAC/dew point control Design*TBD	03APR06	0	31MAR06		876	0.00		0.00						
GPP006.1	GPP-Test Cell HVAC/dew point control InstallTBD	03APR06*	0	31MAR06		876	0.00		0.00						
GPP007	GPP-C-Site elevators Design	03APR06*	0	31MAR06		876	0.00		0.00						
GPP007.1	GPP-C-Site elevators Install	03APR06	0	31MAR06		876	0.00		0.00						
GPP008	GPP-Fire suppression high bay design*TBD*	03APR06	0	31MAR06		876	0.00		0.00						
GPP008.1	GPP-Fire suppression high bay install*TBD*	03APR06	0	31MAR06		876	0.00		0.00						
GPP009	Control Room Lights & Outlets design*TBD*	03APR06	0	31MAR06		812	0.00		0.00						
GPP009.1	Control Room Lights & Outlets install*TBD*	03APR06	0	31MAR06		812	0.00		0.00						
GPP010	Control Room HVAC Design **TBD**	03APR06	0	31MAR06		812	0.00		0.00						
GPP010.1	Control Room HVAC Install **TBD**	03APR06	0	31MAR06		812	0.00		0.00						
GPP011	Control Room Ceiling Design	01OCT07*	64	09JAN08		372	0.00		0.00						
GPP011.1	Control Room Ceiling Install	10JAN08	64	08APR08		372	0.00		0.00						
GPP012	Control Rm Fire Detection & Suppression Design	03APR06*	0	31MAR06		748	0.00		0.00						
GPP012.1	Control RmFire Detection & Suppression Install	01OCT07*	64	09JAN08		372	0.00		0.00						
Test Cell Modifications & Upgrades															
714.020X	TC power instl	01AUG05A	436*	30SEP05A			63,673.65		63,673.65						
613.030	Test Cell copper ground plane cuts	01JUL05A	151*	29SEP06		749	8,598.08	80	10,747.60						
713.010	General procurements	02APR05A	128*	30SEP05A			19,215.00	LOE	19,215.00						
7502-000	Outlet Design	02FEB04A	107*	30JUN04A			25,272.00	100	25,272.00						
7502-001	Test Cell 110v outlets	01APR05A	214*	29SEP06		749	12,805.56	70	18,283.24						
7502-002	Test Cell 208v outlets	01APR05A	214*	29SEP06		749	6,402.78	70	9,141.62						
7502-003	Install 480v power in test cell	01SEP05A	0*	30SEP05A			0.00	100	0.00						
7502-004	Install 120v panels in test cell	01SEP05A	0*	30SEP05A			0.00	100	0.00						
7502-010	Ready Rooms (under control room) 110v outlets	02OCT06*	65	10JAN07		558	0.00		10,480.00						
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	0*	31OCT03A			9,937.20	100	9,937.20						
7502-025	TC Floor penetration covers	03NOV03A	42	26NOV03A			16,848.00	100	16,848.00						
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	0*	30JAN04A			37,608.48	100	37,608.48						
FY05CV-40	FY05 unrecoverable cost variance	01OCT04A	25†	30SEP05A			178,000.00		178,000.00						
75 - Test Cell and Basement Assembly Operations															
7501 - Construction Support Crew															
7501-05	Construction Support Crew during machine assy	25OCT07	260	07NOV08		134	0.00		861,133.69						
7501-06	Construction Support Crew during e-beam mapping	24NOV08*	4†	30JAN09		17†	0.00		99,199.62						
7501-07	Construction Support Crew during cryostat instl	15SEP08*	40	07NOV08		222	0.00		103,081.21						
7502 - Test Cell Facility Preparations															
7502-020	Resurface TC floor	11JAN07*	42	09MAR07		558	0.00		34,670.00						
7502-030	TC Floor firesealing	12MAR07	42	08MAY07		558	0.00		15,720.00						
7502-035	Control room firesealing	09MAY07	42	09JUL07		558	0.00		24,190.00						
7503 - Machine Assembly															
Revised Assembly Logic (ecp18)															
7503-010	Begin Assembly Activities	01OCT07*	0			152	0.00		0.00						

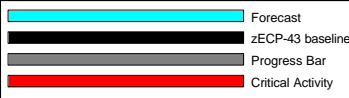
Run Date 05MAY06 07:23

Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

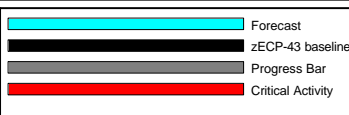
EC44 NCSX Sheet 49 of 53
Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year				
										FY05	FY06	FY07	FY08	FY09
7503-020	Install & Level Support Base Plates	01OCT07	8	10OCT07	2	254	0.00	68,122.20						
7503-030	Install/Level FPA's and Spool Piece supports	11OCT07	15	31OCT07	2	254	0.00	136,244.40						
7503-060	Install Lower PF 4,5&6 into prelim position	21APR08	2	22APR08		154	0.00	4,887.04						
7503-070	Install 3 Spool Pieces on fixt & test movement	01NOV07	10	14NOV07		254	0.00	45,414.80						
7503-080	FPA-1 Installed on support platform		0	04DEC07		242	0.00	0.00						
7503-090	Install local Platforms around FPA-1	05DEC07	5	11DEC07	2	248	0.00	45,414.80						
7503-110	FPA-2 Installed on support platform		0	05FEB08		204	0.00	0.00						
7503-120	Test movement of FPA-1& -2 & position checks.	06FEB08	5	12FEB08		204	0.00	22,707.40						
7503-130	Install local Platforms around FPA-2	06FEB08	3	08FEB08		212	0.00	45,414.80						
7503-150	FPA-3 Installed on support platform		0	20MAY08		134	0.00	0.00						
7503-160	Position all FPA's / Spool Pieces @ MC Interface	21MAY08	6	29MAY08		134	0.00	27,248.88						
7503-170	FPA Metrology Checks to Assure Alignment	30MAY08	3	03JUN08		134	0.00	3,217.32						
7503-190	Install local Platforms around FPA-3	04JUN08	5	10JUN08	2	134	0.00	45,414.80						
7503-180	MC Interfaces: shim, ream holes ,bolt together	11JUN08	15	01JUL08		134	0.00	88,632.60						
7503-200	Mate-up and weld all VV-to-Spool interfaces	02JUL08	15	23JUL08		134	0.00	77,673.60						
7503-240	Bolt on preassembled pump duct	24JUL08	5	30JUL08		134	0.00	19,054.40						
7503-240.1	Install insulation boots	31JUL08	5	06AUG08	2	134	0.00	27,347.20						
7503-240.2	Install insulation	07AUG08	2	08AUG08	2	134	0.00	6,153.12						
7503-250	Begin Vac Vsl Pumpdown	11AUG08	0			134	0.00	0.00						
7503-260	PTP Pumpdown & leak check VV	11AUG08	10	22AUG08		134	0.00	51,782.40						
7503-210	Fit-up all TF coils	24JUL08	10	06AUG08		134	0.00	59,088.40						
7503-270	Raise lower PF 4,5&6 coils into final position	07AUG08	6	14AUG08		134	0.00	27,248.88						
7503-280	Install Upper PF 4,5 & 6 coils	15AUG08	6	22AUG08		134	0.00	27,248.88						
7503-290	Install PF Solenoid into position (U/L PF1,2,3)	25AUG08	4	28AUG08		134	0.00	18,165.92						
7503-310	Complete LN2 connections	29AUG08	10	12SEP08		134	0.00	38,108.80						
7503-320	Complete Elect Pwr connections	29AUG08	10	12SEP08	2	134	0.00	106,727.76						
7503-321	Complete mag diag & machine I&C	29AUG08	10	12SEP08	2	134	0.00	50,362.96						
7503-330	Begin Cryostat Installation	15SEP08	0			134	0.00	0.00						
7503-340	Install Cryostat Base, vapor barrie& port boots	15SEP08	10	26SEP08		134	0.00	40,695.20						
7503-350	Install Cryostat upper section,VB and port boots	29SEP08	10	10OCT08		134	0.00	40,695.20						
7503-360	Install Midplane Cryostat sections and port boot	13OCT08	15	31OCT08		134	0.00	61,042.80						
7503-370	Install Cryostat Circulation Duct	03NOV08	5	07NOV08		134	0.00	20,347.60						
730.8200Z	PTP and Cooldown (dup of 730.8200)	10NOV08	10	21NOV08		212	0.00	0.00						
730.1248	ACC Review	06OCT08	20	31OCT08		134	0.00	0.00						
730.1249	PSO Operational Readiness Assessment	03NOV08	5	07NOV08		134	0.00	0.00						
730.1250	PSO Operational Readiness Assessment		0	07NOV08		134	0.00	0.00						
730.8200	PTP and Cooldown	10NOV08	10	21NOV08		134	0.00	70,850.40						
76 - Tooling Design & Fabrication														
Job: 7601 - Tooling Design & Fabrication														
713.020	Lab Fab/Assy/Installation	01OCT07*	329*	30JAN09		171	0.00	32,743.91						
713.030	Tooling,assy fixtures,misc equipt	01OCT07*	329*	30JAN09		171	0.00	84,841.94						
713.040	General procurements	01OCT07*	329*	30JAN09		171	0.00	63,631.45						
713.050	Welding tools, materials & equipt	01OCT07*	329*	30JAN09		171	0.00	56,561.29						
81 - Project Management and Control														
Job: 8101 - Project Management & Control-NEILSON														
FY04 Actual Cost														
M-0110	CD-2		0	03FEB04A			0.00	0.00						
810.009	PDR Support	01OCT03A	3*	31OCT03A			41,163.08	100	41,163.08					

Run Date	05MAY06 07:23		EC44	NCSX	Sheet 50 of 53	Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag
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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Fiscal Year					
										FY05	FY06	FY07	FY08	FY09	
M-0115	CD-3		0	16SEP04A			0.00		0.00						
810.002	Project Management Office PPPL FY04	01OCT03A	256*	30SEP04A			685,961.70	LOE	685,961.70						
810.002E	Project Management Office PPPL FY04 ECP24	01OCT03A	256*	30SEP04A			146,000.00	LOE	146,000.00						
Prior Costs															
810.001	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			387,340.00	100	387,340.00						
810.003	Project Management Office PPPL FY05	01OCT04A	251*	30SEP05A			696,116.95	LOE	696,116.95						
810.004	Project Management Office PPPL FY06	03OCT05A	249*	29SEP06		749	310,974.94	LOE	634,642.72						
810.005	Project Management Office PPPL FY07	02OCT06*	249*	28SEP07		500	0.00		662,100.12						
810.900	Project Management Office PPPL FY08	01OCT07*	250*	30SEP08		250	0.00		554,496.26						
810.909	Project Management Office PPPL FY09	01OCT08*	163*	29MAY09		87	0.00		132,273.00						
FY05CV-41	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-3,000.00		-3,000.00						
Job: 8102 - NCSX MIE Management ORNL-LYON															
FY04 Actual Cost															
810.102	Project Management Office ORNL FY04	01OCT03A	256*	30SEP04A			88,000.00	LOE	88,000.00						
Prior Costs															
810.101	Apr-Sept MIE Cost ORNL	01APR03A	129*	30SEP03A			58,600.00	100	58,600.00						
810.103	Project Management Office ORNL FY05	01OCT04A	251*	30SEP05A			95,368.98	LOE	95,368.98						
810.104	Project Management Office ORNL FY06	01OCT05A	249*	29SEP06		500	85,069.22	LOE	173,610.65						
810.104X	Project Management Office ORNL FY07	02OCT06	249*	28SEP07		500	0.00		50,514.32						
810.105X	Project Management Office ORNL FY08	02OCT07*	248*	29SEP08		251	0.00		36,664.00						
FY05CV-42	FY05 unrecoverable cost variance	01OCT04A	251	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			601,555.68	LOE	601,555.68						
8202-ECP16	ecp16	01OCT03A	256*	30SEP04A			68,000.00	LOE	68,000.00						
Prior Costs															
820.110	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			295,530.00	100	295,530.00						
820.003	Proj engr FY05	01OCT04A	251*	30SEP05A			469,631.02	LOE	469,631.02						
820.004	Proj engr FY06	03OCT05A	249*	29SEP06		749	216,073.12	LOE	440,965.54						
820.04X	Proj engr FY07	02OCT06*	246*	25SEP07		503	0.00		239,641.12						
820.004Z	Proj engr FY08	02OCT07*	246*	25SEP08		253	0.00		245,966.08						
820.005	Proj engr FY09	01OCT08*	163*	29MAY09		87	0.00		62,798.72						
8205FY05	System Engr Support FY05	01OCT04A	251*	30SEP05A			199,622.00	LOE	199,622.00						
8205FY06	Systems Engineering Support FY06	03OCT05A	249*	29SEP06		749	90,492.05	LOE	184,677.66						
FY05CV-44	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-19,000.00		-19,000.00						
Job: 8203 - Design Integration-BROWN															
FY04 Actual Cost															
820.200	LOE FY04	01OCT03A	256*	30SEP04A			247,570.20	LOE	247,570.20						
8203-ECP16	ecp16	01OCT03A	256*	30SEP04A			125,000.00	LOE	125,000.00						
Prior Costs															
820.150	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			178,750.00	100	178,750.00						
8203FY05	Design Integration FY05 LOE	01OCT04A	251*	30SEP05A			171,028.50		171,028.50						
8203-01	General Design Integration	01OCT04A	251*	30SEP05A			0.00	LOE	0.00						



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Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted	Year					
										FY05	FY06	FY07	FY08	FY09	
8203-02	Suprt interface aux sys dev&coolant/lead routing	01OCT04A	251*	30SEP05A			0.00	LOE	0.00						
8203-03	Develop /maintain Pro/E model of NCSX facility	01OCT04A	251*	30SEP05A			0.00	LOE	0.00						
8203-04	Support metrology efforts	01OCT04A	251*	30SEP05A			0.00	LOE	0.00						
8203-06	Complt rvw of machine assembly approach	03APR06*	4	06APR06		872	0.00		0.00						
8203-07	Rvw cryostat & conventional magnet sys design	03APR06*	9	13APR06		867	0.00		0.00						
8203-08	tollerance reqmnts for MCsuprt install fixt dwgs	03APR06*	39	25MAY06		837	0.00		0.00						
8203-09	Machine suprt dsn f/compatibility with assy reqt	03APR06*	12	18APR06		864	0.00		0.00						
8203-10	Dynamic simul MC half period install fixt w/ Pro	03APR06*	42	31MAY06		834	0.00		0.00						
8203-11	Document NCSX Interlink& dwg control process	03APR06*	11	17APR06		865	0.00		0.00						
8203-12	Update definition VV spool piece assy simul	03APR06*	19	27APR06		857	0.00		0.00						
8203FY06	Design Integration FY06	03OCT05A	249*	29SEP06		749	68,698.80	LOE	140,201.64						
8203FY07	Design Integration FY07	02OCT06*	250*	01OCT07		499	0.00		132,979.90						
FY05CV-45	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-36,000.00		-36,000.00						
Job: 8204 - Systems Analysis-BROOKS															
FY04 Actual Cost															
820.174	LOE FY04	01OCT03A	172*	30SEP04A			133,179.00	LOE	133,179.00						
8204.01	Assess magnetic material in test cell	02FEB04A	85*	28MAY04A			37,080.00	100	37,080.00						
8204.02	Model effects local high MU regions on MCWF	01MAY04A	29	28MAY04A			18,540.00	100	18,540.00						
Prior Costs															
820.173	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			44,620.00	100	44,620.00						
8204FY05	Systems Analysis FY05	01OCT04A	251*	30SEP05A			256,633.25	LOE	256,633.25						
8204FY06	Systems Analysis FY06	03OCT05A	249*	29SEP06		749	110,449.77	LOE	225,407.70						
FY05CV-46	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			9,000.00		9,000.00						
Job: 8205 - Dimensional Control Coordination															
Metrology															
740.135	Gary Puhl subcontract for metrology support	30SEP05A	77	30SEP05A			12,810.00		12,810.00						
METFY05	Dimensional control FY05 ECP24	01FEB05A	172*	30SEP05A			96,648.84	LOE	96,648.84						
FY05CV-47	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			-20,000.00		-20,000.00						
METFY06R	Metrology for FP & machine assy FY06	03OCT05A	249*	29SEP06		749	92,760.44	LOE	189,307.03						
METFY07R	Metrology for FP & machine assy FY07	03OCT06*	249*	01OCT07		499	0.00		74,115.10						
METFY08R	Metrology for FP & machine assy FY08	03OCT07*	247*	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			99,806.20	LOE	99,806.20						
840.203	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A			14,000.00	LOE	14,000.00						
Prior Costs															
840.201	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			210,270.00	100	210,270.00						
Job: 8402 - Project Physics MIE ORNL-LYON															
FY04 Actual Cost															
840.302	Project Physics/Engr Analysis FY04	01OCT03A	256*	30SEP04A			60,876.00	LOE	60,876.00						
840.303	Closeout cost FY04 ECP-21	01OCT03A	256*	30SEP04A			44,000.00	LOE	44,000.00						
Prior Costs															
840.301	Apr-Sept MIE Cost ORNL	01APR03A	152*	30SEP03A			40,980.00	100	40,980.00						

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 Forecast
 zECP-43 baseline
 Progress Bar
 Critical Activity

EC44

NCSX




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Progress Status and Earned Value Through Machr 31,2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 packag

Activity ID	Activity Description	Forecast Start	Forecast Duration (work days)	Forecast Finish	Shifts	Total Float in days (21 days= 1 mo.)	Earned value cost (BCWP)	Percent Complete	ECP-43 Budgeted						
										FY05	FY06	FY07	FY08	FY09	
85 - Integrated Systems Testing															
Job: 8501 - Integrated Systems Testing															
920.001	Procedure and Document Preparation	08NOV07	250	07NOV08		134	0.00		486,345.11						
920.000	Startup Personnel	02OCT08	72	22JAN09		134	0.00		711,219.45						
920.004	Begin Start-up Testing	24NOV08	0			134	0.00		0.00						
920.005	Punch list, Cmpl't PTP's, Reconfig, Rm temp Hi-pot	02OCT08	37	21NOV08		134	0.00		0.00						
920.010	Field Coil Testing, FCPC test & E-Beam Mapping	24NOV08	25	08JAN09		134	0.00		0.00						
920.020	Final ISTEP	09JAN09	7	19JAN09		134	0.00		0.00						
920.021	Operations Approval	20JAN09	3	22JAN09		134	0.00		0.00						
730.9000	First Plasma		0	22JAN09		134	0.00		0.00						
M-0120	CD-4 First Plasma		0	31JUL09*		0	0.00		0.00						
PPPL Allocations															
Job: 8998 - Allocations															
FY04 Actual Cost															
99.04	PPPL Allocations FY04	01OCT03A	256*	30SEP04A			260,691.00	LOE	260,691.00						
Prior Costs															
99.03	Apr-Sept MIE Cost PPPL	01APR03A	128*	30SEP03A			112,000.00	100	112,000.00						
99.05	PPPL Allocations FY05	20OCT04A	251*	30SEP05A			302,697.00	LOE	302,697.00						
99.05P	PPPL Allocations FY05 rebaseline re-estimate	01OCT04A	251*	30SEP05A			48,151.80	LOE	48,151.80						
99.06	PPPL Allocations FY06	03OCT05A	249*	29SEP06		749	161,584.61	LOE	329,764.50						
99.07	PPPL Allocations FY07	02OCT06*	250*	01OCT07		499	0.00		332,787.30						
99.08	PPPL Allocations FY08	01OCT07*	249*	29SEP08		251	0.00		166,336.61						
FY05CV-43	FY05 unrecoverable cost variance	01OCT04A	251	30SEP05A			56,000.00		56,000.00						
DCMA															
DCMAFY04	DCMA	01OCT03A	256*	30SEP04A			75,000.00		75,000.00						

Run Date 05MAY06 07:23

	Forecast
	zECP-43 baseline
	Progress Bar
	Critical Activity

EC44

NCSX

Sheet 53 of 53

Progress Status and Earned Value Through March 31, 2006

Reflects revised ETC Schedule forecasts. ETC Cost revisions not yet included. Resource loading will be included as part of ECP-44 package