

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year											
										FY04	FY05	FY06	FY07	FY08							
<b>11 - In-Vessel Components</b>																					
<b>Job: 1101 - Limiter Adv Conc/Prel Dsn-GORANSON</b>																					
<b>FY03 Actual Cost</b>																					
1101-100	Update Conceptual Design	15JUL03A	15JUL03A	30SEP03A	30SEP03A		100	60.00	60.00												
<b>12 - Vacuum Vessel Systems</b>																					
<b>Job: 1201 - Vacuum Vessel Prelim Dsn-GORANSON</b>																					
<b>FY03 Actual Cost</b>																					
1201-002	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	319,050.00	319,050.00												
1201-003	Apr-MSep MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	105,370.00	105,370.00												
1201-500	WBS 12 & 14 PDR			07OCT03A	07OCT03A			0.00	0.00												
<b>Job: 1202 - Vacuum Vessel R&amp;D - VIOLA</b>																					
<b>FY03 Actual Cost</b>																					
1202-002	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	60.00	60.00												
1202-003	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	128,340.00	128,340.00												
<b>Vessel Weld Joint R&amp;D</b>																					
1203-405	Field Weld joint design and Specific spool piece	01DEC03A	01DEC03A	26FEB04	30APR04A		100	38,607.00	38,607.00												
1202-800	Inconel Procurement *ECP6*	10MAY04*	01APR04A	21MAY04	09APR04A		100	1,783.60	1,783.60												
1202-803	Drawings for Arc/Samples *ECP6*	17MAY04*	12APR04A	28MAY04	16APR04A		100	3,230.00	3,230.00												
1202-806	Waterjet Arcs *ECP6*	01JUN04	19APR04A	02JUN04	22APR04A		100	1,228.80	1,228.80												
1202-809	Machine weld groove *ECP6*	03JUN04	23APR04A	09JUN04	26APR04A		100	3,369.60	3,369.60												
1202-812	Anneal Samples *ECP6*	10JUN04	27APR04A	11JUN04	28APR04A		100	1,684.80	1,684.80												
1202-815	Setup weld test *ECP6*	14JUN04	29APR04A	17JUN04	30APR04A		100	1,228.80	1,228.80												
1202-818	Weld samples *ECP6*	18JUN04	03MAY04A	25JUN04	10MAY04A		100	2,527.20	2,527.20												
1202-821	Eval & Redesign Joint iteration 2 *ECP6*	28JUN04	01JUN04A	02JUL04	07JUN04A		100	3,230.00	3,230.00												
1202-824	Machine iteration 2 *ECP6*	06JUL04	01JUL04	12JUL04	12JUL04		590	0.00	3,369.60												
1202-827	Anneal iteration 2 *ECP6*	13JUL04	13JUL04	14JUL04	14JUL04		590	0.00	1,684.80												
1202-830	Weld iteration 2 *ECP6*	15JUL04	15JUL04	19JUL04	19JUL04		590	0.00	2,527.20												
1202-833	Eval & redesign joint iteration 3 *ECP6*	20JUL04	20JUL04	23JUL04	23JUL04		590	0.00	3,230.00												
1202-836	Machine iteration 3 *ECP6*	26JUL04	26JUL04	29JUL04	29JUL04		590	0.00	3,369.60												
1202-839	Anneal iteration 3 *ECP6*	30JUL04	30JUL04	05AUG04	05AUG04		590	0.00	1,684.80												
1202-842	Weld iteration 3 *ECP6*	06AUG04	06AUG04	11AUG04	11AUG04		590	0.00	2,527.20												
1202-845	SOW for full size test sample *ECP6*	24MAR04*	24MAR04A	28APR04	28APR04A		100	6,460.00	6,460.00												
1202-848	Bid,eval,award full size test sample *ECP6*	29APR04	29APR04A	03JUN04	20JUL04		564	LOE	1,246.78												
1202-851	vendor fab & deliver full size sample *ECP6*	04JUN04	21JUL04	09JUL04	17SEP04		564	0.00	78,055.00												
1202-854	Instrument sample *ECP6*	12AUG04	20SEP04	01SEP04	04OCT04		564	0.00	5,776.31												
1202-857	Perform welds on sample *ECP6*	02SEP04	05OCT04	15SEP04	11OCT04		564	0.00	8,664.00												

current schedule  
 xECP9 Baseline  
 Progress Bar  
 Critical Activity

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year						
										FY04	FY05	FY06	FY07	FY08		
1202-860	Measure Results *ECP6*	16SEP04	12OCT04	22SEP04	19OCT04	564		0.00	3,986.40							
1202-863	Report Results *ECP6*	23SEP04	20OCT04	29SEP04	26OCT04	564		0.00	3,986.40							
1202-866	Engineering Oversight *ECP6*	03MAR04*	03MAR04A	29SEP04	30SEP04	1,278	LOE	10,402.22	18,249.50							
<b>VV Subcontractor Oversight</b>																
1202-400	Oversight and Contract Management	01OCT03A	01OCT03A	02JAN04A	02JAN04A		LOE	62,738.00	62,738.00							
1202-401	Oversight and Contract Management	05JAN04A	05JAN04A	31MAR04	31MAR04A		LOE	48,687.50	48,687.50							
1202-402	Oversight and Contract Management	01APR04*	01APR04A	30JUL04	30JUL04	1,302	LOE	13,985.09	18,572.50							
<b>Major Tool Subcontract (S04344F)</b>																
1202-303	MT-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	02JUN03A	13JUN03A	13JUN03A		100	17,153.60	17,153.60							
1202-305	MT-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	13JUN03A	27JUN03A	27JUN03A		100	10,050.56	10,050.56							
1202-310	MT-Incorp Comments & Reissue MIT/QA Plan (3.2.1)	10JUL03A	10JUL03A	17JUL03A	17JUL03A		100	0.00	0.00							
1202-315	Finalize SOW/contract & Release MT for PVVS Fab	18JUL03A	18JUL03A	15AUG03A	15AUG03A		100	0.00	0.00							
1202-320	MT-PPPL Fabrication Release			15AUG03A	15AUG03A		100	0.00	0.00							
1202-324	MT-PVVS Begin Fabrication (3.2.2)	18AUG03A	18AUG03A	30SEP03A	30SEP03A		100	368,464.16	368,464.16							
1202-325	MT-PVVS Complete Fabrication (3.2.2) [A/1]	10NOV03A	10NOV03A	17MAR04	23APR04A		100	375,115.28	375,115.28							
1202-325.1	Major Tool VVSA Prototype Received			17MAR04	23APR04A		100	0.00	0.00							
1202-325A	Vist MT for welding	02FEB04*	01APR04A	04FEB04	01APR04A		100	2,584.00	2,584.00							
1202-326	Prep Inspection Plan for MT PVVS		30APR04A		30APR04A		100	0.00	0.00							
1202-327	PPPL Receipt Inspection of MT PVVS	18MAR04	14JUN04A	31MAR04	18JUN04A		100	14,148.00	14,148.00							
1202-328	Prep Inspection Report of MT PVVS		01JUL04		08JUL04	1,318		0.00	0.00							
1202-330	MT-Final MIT/QA plans for VVSA (3.3.1)	27MAY04	01JUL04	23JUN04	22JUL04	190		0.00	6,370.00							
1202-335	MT-Firm Fixed Price Proposal for VVSA (3.3.2)	27MAY04	01JUL04	23JUN04	22JUL04	190		0.00	6,370.00							
1202-335.1	Major Tool VVSA Price Proposal Received			23JUN04	22JUL04	191		0.00	0.00							
<b>Rohwedder Subcontract (S04345F)</b>																
1202-403	RW-Issue VVSA MIT/QA plans and C&S Est (3.1)	02JUN03A	02JUN03A	13JUN03A	13JUN03A		100	71,888.08	71,888.08							
1202-405	RW-Issue Draft MIT/QA plan (3.2.1)	13JUN03A	13JUN03A	27JUN03A	27JUN03A		100	19,352.16	19,352.16							
1202-410	RW-Incorp Comments&Reissue MIT/QA Plan (3.2.1)	10JUL03A	10JUL03A	17JUL03A	17JUL03A		100	0.00	0.00							
1202-415	Finalize SOW/contract & Release MT for PVVS Fab	18JUL03A	18JUL03A	15AUG03A	15AUG03A		100	0.00	0.00							
1202-420	RW-PPPL Fabrication Release			15AUG03A	15AUG03A		100	0.00	0.00							
1202-424	RW-PVVS Begin Fabrication (3.2.2)	18AUG03A	18AUG03A	30SEP03A	30SEP03A		100	143,280.88	143,280.88							
1202-424A	RW identify fabricator	01DEC03A	01DEC03A	15DEC03A	15DEC03A		100	0.00	0.00							
1202-424B	PPPL approve new fabricator	16DEC03A	16DEC03A	31DEC03A	31DEC03A		100	0.00	0.00							
1202-424D	PPPL visit fabricator (Jan)	02FEB04*	01JAN04A	03FEB04	30JAN04A		100	0.00	0.00							
1202-424E	PPPL visit fabricator (Feb)	16FEB04*	01MAR04A	17FEB04	31MAR04A		100	0.00	0.00							
1202-425	RW-PVVS Complete Fabrication (3.2.2)	01OCT03A	01OCT03A	17MAR04	28MAY04A		100	311,059.84	311,059.84							
1202-425.1	Rohwedder VVSA Prototype Received			17MAR04	08JUN04A			0.00	0.00							

current schedule  
 xECP9 Baseline  
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 Critical Activity

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY04								FY05								FY06								FY07								FY08																
1202-426	Prep Inspection Plan for RW PVVS		07JUN04A		08JUN04A			0.00	0.00	ETC=+goranson,viola=16 hr each																																																
1202-427	PPPL Receipt Inspection of RW PVVS	18MAR04	08JUN04A	31MAR04	21JUN04A		100	14,148.00	14,148.00	Raftopolous=80, Keilbach=8 Boscoe=24																																																
1202-428	Prep Inspection Report of RW PVVS		01JUL04		08JUL04	1,318		0.00	0.00	ETC=+goranson,cole,viola=16 hr each																																																
1202-430	RW-Final MIT/QA plans for VVSA (3.3.1)	27MAY04	01JUL04	23JUN04	22JUL04	190		0.00	23,709.14	41=\$18.61 k (R367406)																																																
1202-435	RW-Firm Fixed Price Proposal for VVSA (3.3.2)	27MAY04	01JUL04	23JUN04	22JUL04	190		0.00	15,122.38	41=\$11.87 k (R367406)																																																
1202-435.1	Rohwedder VVSA Price Proposal Received			23JUN04	22JUL04	191		0.00	0.00																																																	
<b>Job: 1203 - Vacuum Vessel Final Dsn-GORANSON</b>																																																										
<b>Closeout PDR Design Deliverables</b>																																																										
1203-101	Prepare documents for PDR closeout	03NOV03A	03NOV03A	30JAN04A	30JAN04A		100	7,721.40	7,721.40	Goranson=60hr																																																
1203-111	Response to chits, prepare FY04 W/P/WAF/Checklist	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	7,721.40	7,721.40	Goranson=60hr																																																
1203-121	Review, revise, and approve SRD	01NOV03A	01NOV03A	15MAR04			90	6,949.26	7,721.40	Goranson=60hr																																																
1203-131	Complete preliminary design of insulation and he	10NOV03A	10NOV03A	30APR04	31MAR04A		100	11,582.10	11,582.10	ORNL Design=30hr;Goranson=60																																																
<b>PDR Recommendations</b>																																																										
1203-400	350c Bakeout Study	03NOV03A	03NOV03A	31DEC03A	31DEC03A		100	25,738.00	25,738.00	Goranson=200hr;																																																
1203-401	Analysis & testing of tube attachment method	01DEC03A	01DEC03A	31DEC03A	31DEC03A		100	0.00	0.00																																																	
1203-402	Determine thermal expansion vv to mcc clearance	01NOV03A	01NOV03A	31DEC03A	31DEC03A		100	0.00	0.00																																																	
1203-403	Determine cost of fabrication	01DEC03A	01DEC03A	31DEC03A	31DEC03A		100	0.00	0.00																																																	
1203-404	DECISION TO PROCEED WITH 350c BAKEOUT			31DEC03A	31DEC03A		100	0.00	0.00																																																	
<b>Final Design Tasks</b>																																																										
121-000	Evaluate port ext & welding**PDR #10 & 11 &24	01JUL04*	01JUL04*	28FEB05	28FEB05	1,161		0.00	11,973.12	Goranson=88hrs																																																
1203-141	Finalize Spec for VVSA	16FEB04*	01MAR04A	23APR04	30JUN04A		100	18,067.60	18,067.60	Goranson=40hr;Viola=80																																																
1203-151	Update VVSA Drawings incl ECP6 add'l port config	01DEC03A	01DEC03A	23APR04	30JUN04A		100	202,403.63	202,403.63	ORNL Design=870hr;Goranson=120 ECP6 = + 583 hrs for add'l port config																																																
1203-181	Start Thermal Analyses	01NOV03A	01NOV03A	30JAN04A	30JAN04A		100	23,012.76	23,012.76																																																	
1203-191	Start Eddy Current Analyses	03NOV03A	03NOV03A	30JAN04A	30JAN04A		100	3,536.05	3,536.05																																																	
1203-202	Start Port Nozzle Analysis	02JAN04A	02JAN04A	30JAN04A	30JAN04A		100	5,142.40	5,142.40																																																	
1203-233	Check structural analysis	03MAY04	26APR04A	14MAY04	28MAY04A		100	12,638.08	12,638.08	Titus=80																																																
1203-235	Perform Local Thermal Analysis	02MAR04*	02FEB04A	29MAR04	30APR04A		100	15,442.80	15,442.80	Freudenberg=120																																																
1203-236	Check Local Thermal Analysis	30MAR04	02FEB04A	26APR04	30APR04A		100	15,442.80	15,442.80	Goranson=120																																																
1203-237	Perform Thermal-Hydraulic Analysis VV htg/clng	01MAR04*	02FEB04A	26MAR04	30APR04A		100	10,295.20	10,295.20	Goranson=80																																																
1203-238	Check Thermal-Hydraulic Analysis VV htg/clng	29MAR04	02FEB04A	23APR04	30APR04A		100	12,856.00	12,856.00	Kalish=80																																																
1203-240	Check Analysis of VV Supports	27APR04	26APR04A	10MAY04	28MAY04A		100	5,147.60	5,147.60	Goranson=40																																																
1203-291	Update Design Basis Document	21APR04*	20APR04A	18MAY04	18MAY04A		100	2,059.04	2,059.04	Goranson=16hr																																																
1203-321	Assemble FDR Drawing Package, Check & Promote	01APR04*	03MAY04A	14MAY04	18MAY04A		100	4,118.08	4,118.08	Goranson=32hr																																																
1203-331	Prepare Presentations	26APR04*	03MAY04A	14MAY04	18MAY04A		100	12,869.00	12,869.00	Goranson=100hr																																																
1203-341	Conduct VVSA FDR			19MAY04	19MAY04A		100	0.00	0.00	PEP Date = July 2004																																																
1203-311	Prepare Final Design ECP	20MAY04*	24MAY04A	03JUN04	28MAY04A		100	3,088.56	3,088.56	Goranson=24hr																																																

Run Date 13JUL04 13:45


  
 current schedule  
 xECP9 Baseline  
 Progress Bar  
 Critical Activity

0406

NCSX

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**STATUS THROUGH  
JULY 1, 2004  
ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
1203-161	Finalize & Sign All ICDs	17NOV03A	17NOV03A	26FEB04	30SEP04	368	50	7,721.40	15,442.80						
1203-201	Update/Perform FMECA Analyses	02FEB04*	01MAR04A	01APR04	30SEP04	368	85	4,375.46	5,147.60						
1203-232	Structural Analysis of Vac Vsl	02FEB04	01MAR04A	30APR04	15JUL04	422	98	75,593.28	77,136.00						
1203-234	Perform Global Seismic Analysis	01MAR04*	01MAR04A	09APR04	30JUL04	411	85	32,227.10	37,914.24						
1203-239	Perform Analysis of VV Supports	30MAR04*	01MAR04A	26APR04	15JUL04	422	95	9,780.44	10,295.20						
1203-241	Check FMECA Analyses	02APR04*	01JUL04*	29APR04	30SEP04	368		0.00	0.00						
1203-261	Provide Input to FP assy, Install & Startup Plan	01OCT03A	01OCT03A	31MAR04	30SEP04	368	90	11,582.10	12,869.00						
1203-301	Update Cost and Schedule Estimates	21APR04*	01SEP04*	18MAY04	30SEP04	1,283		0.00	3,088.56						
1203-361	Final Design of Insulation and Heating/Cooling	03NOV03A	03NOV03A	28FEB05	28FEB05	265	35	10,886.83	31,105.24						
125-001	Prelim design WBS 125 local I&C	22MAR04*	01JUL04*	19MAY04	21OCT04	254		0.00	10,349.21						
1203-271	Develop Assembly & Installation Procedures	01JUL04*	01JUL04*	28FEB05	28FEB05	265		0.00	44,133.45						
122-011	Final design WBS 122 Thermal insulation	01JUL04*	01JUN04A	28FEB05	28FEB05	265	10	4,266.05	42,660.52						
124-011	Final design WBS 124 VV supports	01JUL04*	01JUL04*	28FEB05	28FEB05	265		0.00	21,574.43						
125-011	Final design WBS 125 local I&C	01JUL04*	22OCT04	28FEB05	15MAR05	254		0.00	11,156.90						
1203-900	Comprehensive WBS 12 FDR			28FEB05	15MAR05	254		0.00	0.00						
<b>Vacuum Vessel Vendor Selection</b>															
121-6-6	Finalize tech Doc package & Resolve chits	06MAY04	01JUN04A	26MAY04	30JUN04A		100	1,286.90	1,286.90						
121-6-8	Evaluate and Select VV Production Vendor	24JUN04	23JUL04	16JUL04	23JUL04	186		0.00	2,901.90						
121-6-83	Negotiate with vendor	19JUL04	26JUL04	29JUL04	02AUG04	186		0.00	1,615.00						
121-6-85	DOE Approve VV Selection & contract	30JUL04	03AUG04	13AUG04	17AUG04	186		0.00	0.00						
121-6-9	Award VV Production Vendor (Phase funded)			13AUG04	24AUG04	186		0.00	0.00						
121-36-9.2	Release for Fabrication			20AUG04	31AUG04	186		0.00	0.00						
<b>Job:1204 - WBS 12 Title III, Procure,Fabricate</b>															
121-031	VVSA Title III engr	21MAY04*	21MAY04A	22NOV06	22NOV06	736	LOE	10,516.12	239,002.54						
121-038	FABRICATE VVSA	23AUG04	01SEP04	28OCT05	08NOV05	191		0.00	2,958,709.28						
121-038.1	Vacuum Vessel Delivered			28OCT05	08NOV05	191		0.00	0.00						
121-038A	>>>>>>> Additional Ports (ECP 8)	23AUG04	23AUG04*	28OCT05	28OCT05	1,008		0.00	240,007.27						
121-038B	>>>>>>> Port Extensions (ECP 8)	23AUG04	23AUG04*	28OCT05	28OCT05	1,008		0.00	150,008.43						
121-038P	FAB VVSA NB ports	23AUG04	01SEP04	28OCT05	08NOV05	1,001		0.00	150,445.33						
122-030	SPEA VV Thermal Insulation	05JUL05	05JUL05	03OCT05	03OCT05	112		0.00	0.00						
122-036.9	Award VV Insulation			03OCT05*	03OCT05*	112		0.00	0.00						
122-037	VV Insulation Procurement WBS 122	04OCT05*	04OCT05*	03MAR06	03MAR06	112		0.00	110,493.05						
122-031	Title III engr WBS 122	24JUN05	24JUN05	03MAR06	03MAR06	922		0.00	21,460.89						
123-030	SPEA VV Heating & Cooling	01JUL05	01JUL05	30SEP05	30SEP05	113		0.00	0.00						
123-036.9	Award VV Heating/Cooling Distribution			30SEP05	30SEP05	113		0.00	0.00						

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY				
										FY04	FY05	FY06	FY07	FY08
123-037	VV Heating/Cooling Distr Procurement WBS 123	03OCT05*	03OCT05*	05JAN06	05JAN06	113		0.00	321,760.80					
123-041	VV Heating/Cooling Fab/Assy WBS 123	06JAN06	06JAN06	02MAR06	02MAR06	113		0.00	14,744.50	EM//SM =84hr ;	EM//TB =137hr ;			
123-031	Title III engr WBS 123	24JUN05	24JUN05	05JAN06	05JAN06	963		0.00	8,194.72			Viola =08hr ;	Goranson =48hr ;	
124-030	SPEA VV Supports	08JUL05	08JUL05	06OCT05	06OCT05	138		0.00	0.00					
124-036.9	Award VV Supports			06OCT05	06OCT05	138		0.00	0.00					
124-037	VV Supports Procurement WBS 124	07OCT05*	07OCT05*	01MAR06	01MAR06	138		0.00	31,450.50			41=24.1\$K ;		
124-041	VV Supports Fab/assy WBS 124	02MAR06	02MAR06	29MAR06	29MAR06	138		0.00	660.60			EM//SM =06hr ;		
124-031	Title III engr WBS 124	08JUL05	08JUL05	01MAR06	01MAR06	924		0.00	8,940.72			Viola =02hr ;	Goranson =60hr	
125-015	Title III design Local I&C	03OCT05*	03OCT05*	29DEC05	29DEC05	238		0.00	2,608.38			Goranson =18hr ;		
125-037	Procurement Local I&C	04OCT05*	04OCT05*	29DEC05	29DEC05	238		0.00	3,132.00			41=2.4\$K ;		

**13 - Conventional Coils**

**Job: 1301 - Conventional Coils Prel Design-KALISH**

FY03 Actual Cost										
1301-0002	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	0.00	0.00	
1301-0003	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	91,660.00	91,660.00	
Material Property Analysis & Testing										
1301-300	Investigate Experimental Data *ECP6*	12APR04*	12APR04A	16APR04	16APR04A		100	642.80	642.80	Kalish=4
1301-303	Prepare Test Reqmnts *ECP6*	19APR04	19APR04A	23APR04	14JUL04	1,285	50	803.50	1,607.00	10Kalish=
1301-306	Testing on 2D glass,CTD *ECP6*	26APR04	16AUG04*	14MAY04	10SEP04	1,263		0.00	0.00	Kalish=12
1301-309	Re-evaluate Analysis *ECP6*	17MAY04	27SEP04*	21MAY04	08OCT04	1,253		0.00	6,370.00	Myatt=40
1301-312	Choose 3D or 2D glass *ECP6*	24MAY04	22JUL04*	24MAY04	23JUL04	127		0.00	1,285.60	Kalish=8
1301-315	Re-evaluate Failure Criteria *ECP6*	12APR04	01JUL04*	16APR04	09JUL04	1,307		0.00	1,607.00	Kalish=10
1301-318	Evaluate 3D glass *ECP6*	05APR04*	05APR04A	09APR04	09APR04A		100	642.80	642.80	Kalish=4
1301-321	Order Sample Materials *ECP6*	25MAY04	26JUL04	07JUL04	03SEP04	127		0.00	5,750.40	Kalish=12; 41=\$3k
1301-324	Build Samples *ECP6*	08JUL04	07SEP04	28JUL04	27SEP04	127		0.00	18,645.00	Kalish=30; em/tb=180
1301-327	Cryo Test for Coil Sample *ECP6*	29JUL04	28SEP04	18AUG04	18OCT04	127		0.00	14,839.80	Kalish=30;Kozub=60
1402-004	Subcontract analysis support for PDR	01OCT03A	01OCT03A	26NOV03A	26NOV03A		100	5,096.00	5,096.00	41=\$4k
1402-005	VV/MCC PDR support	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	4,178.20	4,178.20	heizenroever=26hrs
1301-100	Prepare Scope Sheet to define interfaces	03NOV03A	03NOV03A	27FEB04	23AUG04	1,286	20	1,928.40	9,642.00	Kalish=60 ;
1301-105	Prepare Interface Dwgs for ICD's	01DEC03A	01DEC03A	15APR04	23AUG04	133	60	2,892.60	4,821.00	Kalish=30
1301-110	Finalize ICDs	16APR04	01MAY04A	29APR04	23AUG04	133	10	482.10	4,821.00	Kalish= 30
1301-115	Update design Basis Document	01APR04*	01MAY04A	15APR04	23AUG04	133	10	723.15	7,231.50	Kalish= 45
1301-120	Finalize SRD	01MAR04*	01MAY04A	15MAR04	30JUN04A		100	482.10	4,821.00	Kalish= 30
1301-140	Complete Draft SOW	02JAN04A	02JAN04A	15JAN04A	15JAN04A		100	4,821.00	4,821.00	Kalish= 30
1301-145	Post Draft SOW on WEB to Solicit Vendr Input	16JAN04A	16JAN04A	19JAN04A	19JAN04A		100	1,285.60	1,285.60	Kalish=80

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**STATUS THROUGH  
JULY 1, 2004  
ECP 9**



Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY						
										FY04	FY05	FY06	FY07	FY08		
143-037	PF 4 Procurement [A/1]	03APR06	03APR06	08NOV06	08NOV06	158		0.00	224,756.29		41=100.1\$; 4e = \$87.6;					
144-037	PF 5 Procurement [A/1]	03APR06	03APR06	08NOV06	08NOV06	158		0.00	239,130.45		41=106.52\$; 41=\$93.18					
145-037	PF 6 Procurement [A/1]	03APR06	03APR06	08NOV06	08NOV06	158		0.00	211,469.78				\$41=94.2; 4E=82.4			
141-037	PF OH Solenoid Procurement PF1 [A/1]	01MAY06*	01MAY06*	26FEB07	26FEB07	134		0.00	173,241.98		41=74.94\$; 4e=\$65.54 ; ; 35=02\$; ;					
141B-037	PF OH Solenoid Procurement PF2 [A/1]	01MAY06*	01MAY06*	26FEB07	26FEB07	134		0.00	138,102.22		41=60.99\$; 4e=\$53.35;					
142-037	PF OH Solenoid Procurement PF3 [A/1]	01MAY06*	01MAY06*	26FEB07	26FEB07	134		0.00	146,668.65		41=63.2\$; 4e=\$55.28 ; 35=02\$; ;					
141-031	Title III engr WBS 132	30JAN06*	30JAN06*	22FEB07	22FEB07	665		0.00	141,578.37		Kalish=704;ea//dm=96;omlem=62					
<b>CS Support Structure</b>																
163-035	Bid & Award CS Support Struct	21DEC05	21DEC05	01MAR06	01MAR06	132		0.00	0.00							
163-036.9	Award CS Support Structure			01MAR06*	01MAR06*	132		0.00	0.00							
163-037	CS Support Structure Procurement/Fab	02MAR06*	02MAR06*	28FEB07	28FEB07	132		0.00	195,207.78		41=\$144.77; 35=\$2 k					
163-015	Title III design CS sprt struc	21DEC05	21DEC05	28FEB07	28FEB07	661		0.00	57,061.93				ORNLEM =31;Ka			
<b>Trim Coils</b>																
184-035	Bid & Award Ext Trim Coils	01AUG05	01AUG05	03OCT05	03OCT05	258		0.00	0.00							
184-036	Award External Trim Coils			03OCT05*	03OCT05*	258		0.00	0.00							
184-037	External Trim Coil Procurement/Fab	04OCT05	04OCT05	13FEB06	13FEB06	258		0.00	275,015.70		41=\$210.738k					
184-015	Title III WBS 133 Rxt Trim Coils	01AUG05	01AUG05	06MAR06	06MAR06	907		0.00	57,039.77				Rushinski=64;Kalish=232;omlem=			
<b>TF/PF Loacl I&amp;C</b>																
133-015	Title III WBS 134 Conv Coil I&C	05JUN06*	05JUN06*	07DEC06	07DEC06	714		0.00	3,696.20		ORNLEM=18;Kalish=2;Rushinski=6					
133-037	Conv Coil I&C WBS 134 Proc & Install	05JUN06*	05JUN06*	07DEC06	07DEC06	185		0.00	66,610.52		41=9.2\$;em//sm=123;em//tb=491					
<b>14 - Modular Coils</b>																
<b>Job: 1401 - Mod Coil Prel.Dsn-WILLIAMSON</b>																
<b>FY03 Actual Cost</b>																
1401-002	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	303,040.00	303,040.00							
1401-003	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	0.00	0.00							
<b>Job: 1402 - Mod.Coil Analyses-WILLIAMSON</b>																
<b>FY03 Actual Cost</b>																
1402-002	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	84,220.00	84,220.00							
1402-003	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	154,920.00	154,920.00							
<b>Job: 1403 - WBS 14 Final Design-WILLIAMSON</b>																
<b>PDR/PBR Prep</b>																
1403-04	Plan response to PDR chits	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	2,573.80	2,573.80		Williamson=20					
1403-05	Prepare FY04 WP / WAF / Checklists	08OCT03A	08OCT03A	14OCT03A	14OCT03A		100	2,573.80	2,573.80		Williamson=20					
1403-06	Prepare documents for PDR closeout	15OCT03A	15OCT03A	24DEC03A	24DEC03A		100	10,295.20	10,295.20		Williamson=80					
1403-07	Prepare PBR documentation	31OCT03A	31OCT03A	18NOV03A	18NOV03A		100	2,573.80	2,573.80		Williamson=20					
1403-08	Performance Baseline Review			18NOV03A	18NOV03A		100	0.00	0.00		PEP Date = November 2003					
<b>Requirements/Config and Interfaces</b>																
1403-10	Review, revise, and approve SRD	15OCT03A	15OCT03A	27FEB04	28MAY04A		100	2,573.80	2,573.80		Williamson=20					



Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
1403-11	Prepare assembly / interface drawings for ICDs	15OCT03A	15OCT03A	26FEB04	30SEP04	1,283	90	9,265.68	10,295.20	Hargrove,Lovett=80					
1403-12	Finalize and approve all ICDs	02FEB04*	01MAR04A	13FEB04	30SEP04	1,283	90	4,632.84	5,147.60	Williamson=40					
1403-13	Finalize winding pack ref xsec, conductor dims	15OCT03A	15OCT03A	26NOV03A	26NOV03A		100	2,573.80	2,573.80	Williamson=20					
1403-14	Revise winding form and windings/asm models	15OCT03A	15OCT03A	30JAN04A	30JAN04A		100	41,309.49	41,309.49	Hargrove,Williamson,Lovett=320					
1403-15	Prepare winding form asm / detail drawings	03NOV03A	03NOV03A	16APR04	30JUL04	1,326	90	61,385.13	68,205.70	Lovett,Hargrove=320 ecp6 add1 port config= +210hr					
<b>Analysis - Thermal &amp; Electrical</b>															
1403-21	Document electrical, insulation parameters	15OCT03A	15OCT03A	19DEC03A	19DEC03A		100	2,573.80	2,573.80	Williamson=20					
1403-22	Update thermal analysis to current WP design	22OCT03A	22OCT03A	19DEC03A	19DEC03A		100	5,147.60	5,147.60	Williamson=40					
1403-23	Update thermo-hydraulic analysis of coils	01DEC03A	01DEC03A	23FEB04	18MAY04A		100	6,428.00	6,428.00	Dahlgren=40					
1403-25	Check EM loads calculation for ref scenarios	02FEB04*	02FEB04A	31MAR04	18MAY04A		100	5,147.60	5,147.60	Strickler=40					
1403-26	Perform scan of EM fault load conditions	01DEC03A	01DEC03A	31MAR04	18MAY04A		100	10,295.20	10,295.20	Strickler=80					
1403-26.1	Check thermal & electrical calculations	02FEB04*	02FEB04A	31MAR04	18MAY04A		100	10,295.20	10,295.20	Williamson=80					
1403-27	Prepare thermal, electrical analysis report	02FEB04*	02FEB04A	28APR04	30JUL04	1,326	90	18,531.36	20,590.40	Williamson=160					
<b>Analysis - Structural</b>															
141TITTLE2P	PDR #1,4,26 Access,Tolerance Budget,Bolting	02FEB04*	01MAR04A	19MAY04	18MAY04A		100	26,896.21	26,896.21	ornlem=209					
1403-42	>>>>>> MCWF & Winding analysis ECP 9	20MAY04	01JUN04A	30AUG04	30AUG04	1,305	13	39,074.49	300,573.00	ornlem=+1500 ECP 9 ea/em=+360 ECP 9 Myatt= +312 ECP 9					
1403-29	Complete ANSYS model of coil structure asm	15OCT03A	15OCT03A	30APR04	18MAY04A		100	160,700.00	160,700.00	Fan=80+920					
1403-30	Analyze global stress /deflect winding form asm	31OCT03A	31OCT03A	30APR04	18MAY04A		100	16,070.00	16,070.00	Fan=40+60					
1403-31	Analyze stress in bolted connections	02FEB04*	01MAR04A	30APR04	18MAY04A		100	6,428.00	6,428.00	Fan=40					
1403-32	Update MECHANICA model of 3 coil types	15OCT03A	15OCT03A	27FEB04	18MAY04A		100	10,295.20	10,295.20	Freudenberg=80					
1403-33	Anlyz wind pack deflect/stress fo thml, EM lds	02FEB04*	01MAR04A	31MAR04	18MAY04A		100	5,147.60	5,147.60	Freudenberg=40					
1403-34	Analyze and optimize clamp locations	02FEB04*	01MAR04A	31MAR04	30APR04A		100	5,147.60	5,147.60	Freudenberg=40					
1403-35	Perform supporting analysis for material tests	15OCT03A	15OCT03A	30APR04	30APR04A		100	16,727.62	16,727.62	Myatt=105					
1403-36	Update EM loads for reference scenarios	02FEB04*	01MAR04A	04MAY04	30APR04A		100	10,357.62	10,357.62	Myatt=65					
1403-37	Perform check og global structural analysis	02FEB04*	01MAR04A	30APR04	18MAY04A		100	16,727.62	16,727.62	Myatt=105					
1403-38	Check nonlinear winding pack analysis	02FEB04*	01MAR04A	30APR04	18MAY04A		100	10,357.62	10,357.62	Myatt=65					
1403-39	Analyze gravity, equip, seismic loading	02FEB04*	01MAR04A	14MAY04	18MAY04A		100	6,428.00	6,428.00	Fan=40					
1403-40	Analyze combined loads and fault conditions	31MAR04*	01MAR04A	30APR04	18MAY04A		100	6,428.00	6,428.00	Fan=40					
1403-40.1	Check Structural Calculations	02FEB04*	02FEB04A	19MAY04	18MAY04A		100	9,265.68	9,265.68	Williamson=72					
1403-40.1A	Prepare plate element model of coil structure	02FEB04*	01MAR04A	30APR04	18MAY04A		100	9,265.68	9,265.68	Williamson=+72					
1403-40.1B	Confirm global deflection/stress, re-inf of shel	03FEB04*	02FEB04A	30APR04	18MAY04A		100	10,295.20	10,295.20	Williamson=+80					
1403-40.1C	Check all struct calkulations	17FEB04*	01MAR04A	30APR04	18MAY04A		100	9,265.68	9,265.68	Williamson=72					
1403-40.2A	Develop multi-filament model of all coils	02FEB04*	01MAR04A	16FEB04	18MAY04A		100	3,088.56	3,088.56	CRNLEM=+24					
1403-40.2B	Confirm Plasma performance & surface quality	17FEB04	26APR04A	01MAR04	18MAY04A		100	3,856.80	3,856.80	Ku=+24					
1403-40.2C	Model expected deflections under thermal/EM load	17FEB04	26APR04A	15MAR04	18MAY04A		100	6,177.12	6,177.12	CRNLEM=+48					

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 current schedule  
 xECP9 Baseline  
 Progress Bar  
 Critical Activity

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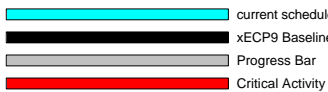
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**STATUS THROUGH**  
**JULY 1, 2004**  
**ECP 9**



Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
1403-40.2D	Confirm plasma performance & surface quality	16MAR04	26APR04A	12APR04	18MAY04A		100	7,713.60	7,713.60						
1403-41	Prepare structural analysis report	12MAR04*	26APR04A	17MAY04	18MAY04A		100	18,531.36	18,531.36						
<b>Winding Form FDR Prep</b>															
1403-03	Re-estimate of dsn for R&D winding details	15OCT03A	15OCT03A	31MAR04	31MAR04A		100	0.00	0.00						
1403-43	Incorporate changes due to prototype fabr	16FEB04*	01MAR04A	30APR04	31MAR04A		100	10,423.89	10,423.89						
1403-44	Prepare final drawings for winding forms, asm	20FEB04*	01MAR04A	30APR04	30JUN04A		100	82,232.91	82,232.91						
1403-45	>>>>>>> Check/ promote models / drawings ECP 9	15APR04*	01JUN04A	15JUL04	15JUL04	1,337	90	106,555.30	118,394.80						
1403-46	Update build-to specification / SOW	16FEB04*	01MAR04A	05MAY04	30JUN04A		100	15,442.80	15,442.80						
1403-47	Prepare failure modes assessment (FMECA)	16FEB04*	26APR04A	05MAY04	30JUL04	1,326	30	4,632.84	15,442.80						
1403-48	Update design basis document	01APR04*	26APR04A	17MAY04	30JUN04A		100	15,442.80	15,442.80						
1403-49	Update cost / schedule estimates	16FEB04*	01SEP04*	30APR04	30SEP04	1,283		0.00	15,442.80						
1403-49.1	Process ECP for all changes	16FEB04*	01JUN04A	12MAY04	30JUN04A		100	5,147.60	5,147.60						
1403-50	Prepare FDR documentation / presentations	05MAY04*	01MAY04A	17MAY04	18MAY04A		100	10,295.20	10,295.20						
1403-50.1	Release EIO/JPP f/flow solidif & mach simulation	01MAR04*	01JUN04A				100	0.00	0.00						
1403-50.2	Prepare Prelim Bid Package	13APR04	23APR04A	03MAY04	23APR04A			0.00	0.00						
1403-50.5	Prelim Bid Package Released			03MAY04*	23APR04A			0.00	0.00						
1403-51	MCWF FDR			19MAY04*	19MAY04A		10	0.00	0.00						
C-081.1	JOULE MILESTONE #4 - CD-3 Readiness			19MAY04	24AUG04	120		0.00	0.00						
<b>Post FDR Update &amp; Planning</b>															
1403-53	Resolve FDR comments and recommendations	20MAY04	01JUN04A	10JUN04	30JUL04	91	90	13,898.52	15,442.80						
1403-54	Final bid package( specs,models,dwgs)	24MAY04	01JUN04A	10JUN04	30JUN04A		100	20,590.40	20,590.40						
C-071	Project eval cost proposals & select vendor	02JUL04	31AUG04	27AUG04	20OCT04	80		0.00	0.00						
C-081	Award MCWF Mfg Contract (phase funded)			27AUG04	20OCT04	80		0.00	0.00						
<b>Winding and Assembly Design-Prototype (typeC)</b>															
1403-200	Winding & Insulation Dwgs (8)-Type C	29JUL04	01JAN04A	25AUG04	16AUG04	149	50	3,217.26	6,434.50						
1403-201	Leads & crossover Dwgs (10)-Type C	29JUL04	01JAN04A	25AUG04	08SEP04	133	50	3,989.40	7,978.78						
1403-202	G-10 Filler Dwgs (24)-Type C	29JUL04	01JAN04A	25AUG04	08SEP04	133	50	9,651.76	19,303.50						
1403-203	Clamp Dwgs (5)-Type C	29JUL04	01JAN04A	25AUG04	08SEP04	133	50	2,059.04	4,118.08						
1403-204	Chill Plate Dwgs (66)-Type C	29JUL04	01JUL04	25AUG04	30SEP04	117		0.00	53,020.28						
1403-205	Installation Dwgs (1)-Type C	29JUL04	01JUL04*	25AUG04	15OCT04	106		0.00	1,043.82						
1403-206	Cooling Schematic Dwgs (1)- Type C	29JUL04	01JUL04*	25AUG04	15OCT04	106		0.00	1,043.82						
1403-207	Electrical Schematic Dwgs (1)-Type C	29JUL04	01JUL04*	25AUG04	15OCT04	106		0.00	1,043.82						
1403-208	I&C Dwgs (1) -Type C	29JUL04	01JUL04*	25AUG04	15OCT04	106		0.00	1,043.82						
1403-58C	Check and promote models / drawings -Type C	29JUL04	01JUL04	25AUG04	10NOV04	88		0.00	17,885.90						
1403-62	Prepare FDR documentation / presentations	29JUL04	29JUL04*	25AUG04	10SEP04	1,297		0.00	25,738.00						

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Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpmt	Earned value (BCWP)	Baseline Budget ECP9	FY							
										FY04	FY05	FY06	FY07	FY08			
1403-60	Update design basis document	15MAR04	01JUL04*	23APR04	12AUG04	151		0.00	15,442.80								
1403-20	Mod Coil Type C FDR			23APR04	15NOV04*	85		0.00	0.00								
1403-70.05	Update MIT/QA Plans for Type C Winding Fab	19NOV04	16NOV04	20DEC04	15DEC04	140		0.00	2,817.40								
1403-59	Update build-to specifications	22JUL04	16NOV04	01SEP04	30DEC04	135		0.00	16,904.40								
1403-20.1	Mod Coil Type C Fab Preparedness Review			01SEP04	30DEC04*	135		0.00	0.00								
<b>Winding and Assembly Design-Type A</b>																	
1403-300	Winding & Insulation Dwgs (8)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	5,614.98								
1403-301	Leads & crossover Dwgs (10)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	6,951.90								
1403-302	G-10 Filler Dwgs (24)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	16,844.96								
1403-303	Clamp Dwgs (5)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	3,475.94								
1403-304	Chill Plate Dwgs (66)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	46,256.82								
1403-305	Installation Dwgs (1)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	802.14								
1403-306	Cooling Schematic Dwgs (1)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	802.14								
1403-307	Electrical Schematic Dwgs (1)-Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	802.14								
1403-308	I&C Dwgs (1) -Type A	14JUL04	14JUL04*	24NOV04	24NOV04	128		0.00	802.14								
1403-58A	Check and promote models / drawings -Type A	04NOV04	04NOV04*	24NOV04	24NOV04	128		0.00	19,017.45								
1403-71	FDR Production Type A Mod Coil Winding			24NOV04	24NOV04*	128		0.00	0.00								
1403-71.05	Update MIT/QA Plans for Type C Winding Fab	04MAY05	04MAY05*	01JUN05	01JUN05	128		0.00	2,817.40								
1403-71.1	Fab Readiness Review - Production Type A			01JUN05	01JUN05*	128		0.00	0.00								
<b>Winding and Assembly Design-Type B</b>																	
1403-400	Winding & Insulation Dwgs (8)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	5,916.54								
1403-401	Leads & crossover Dwgs (10)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	7,325.24								
1403-402	G-10 Filler Dwgs (24)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	17,749.62								
1403-403	Clamp Dwgs (5)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	3,662.62								
1403-404	Chill Plate Dwgs (66)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	48,741.02								
1403-405	Installation Dwgs (1)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	845.22								
1403-406	Cooling Schematic Dwgs (1)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	845.22								
1403-407	Electrical Schematic Dwgs (1)-Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	845.22								
1403-408	I&C Dwgs (1) -Type B	27DEC04	27DEC04*	09MAY05	09MAY05	125		0.00	845.22								
1403-58B	Check and promote models / drawings -Type B	19APR05	19APR05*	09MAY05	09MAY05	125		0.00	19,017.45								
1403-72	Final Design Review Production Type B			09MAY05	09MAY05*	125		0.00	0.00								
1403-72.05	Update MIT/QA Plans for Type C Winding Fab	13OCT05	13OCT05*	09NOV05	09NOV05	125		0.00	2,898.20								
1403-72.1	Fab Readiness Review - Production Type B			09NOV05	09NOV05*	125		0.00	0.00								
142TITLE3	Titel III Design-Coil Winding & Assembly	01OCT04*	01OCT04*	29SEP06	29SEP06	761		0.00	423,168.36								

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**STATUS THROUGH  
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ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY04					FY05					FY06					FY07					FY08					
<b>Job:1404-Mod Coil Winding Form R&amp;D-HEITZENROEDER</b>																																			
<b>FY03 Actual Cost</b>																																			
1404-002	Apr-Sept YTD MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	100,220.00	100,220.00																										
1404-003	Apr-Sept YTD MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	64,670.00	64,670.00																										
<b>Prototype Design Issues</b>																																			
1404-109.J	JOULE MILESTONE #1-Authorize Prototype Fab			20OCT03A	20OCT03A			0.00	0.00																										
1404-110.J	JOULE MILESTONE #3-Prototype Casting Made			26MAR04	28MAY04A			0.00	0.00																										
1404-80.2	>>>>>>> Produce 1st Type C Casting (ECP 8)	01JUL04*	01JUL04*	27SEP04	27SEP04	1,286		0.00	75,000.38																										
1404-65	Fabrication oversight by Project	01OCT03A	01OCT03A	26MAY04	30JUL04	1,326	LOE	67,797.19	75,246.60																										
<b>EIO Subcontract (S04341F)</b>																																			
1404-100	EIO-Cost FY03	01MAY03A	01MAY03A	30SEP03A	30SEP03A		100	307,170.24	307,170.24																										
1404-110X	EIO-forecast increase	21OCT03A	21OCT03A	28JUN04	30AUG04	1,300	C	264,240.00	293,600.00																										
1404-68	Authorization by PPPL			20OCT03A	20OCT03A			0.00	0.00																										
1404-69	Oversight / reporting (4.1 & 4.2)	21OCT03A	21OCT03A	04MAY04	30AUG04	1,305	C	64,472.68	67,865.98																										
1404-70	Process model	21OCT03A	21OCT03A	26NOV03A	26NOV03A		100	44,590.00	44,590.00																										
1404-71	Build pattern	01DEC03A	01DEC03A	21JAN04A	21JAN04A		100	44,590.00	44,590.00																										
1404-72	EIO Make casting	22JAN04A	22JAN04A	12FEB04	27FEB04A		100	44,590.00	44,590.00																										
1404-73	Inspect, repair, heat treat	13FEB04	09MAR04A	26MAR04	28MAY04A		100	44,590.00	44,590.00																										
1404-74	Ship, setup for machining	26APR04	24MAY04A	07MAY04	28MAY04A		100	60,897.20	60,897.20																										
1404-75	Perform machining	10MAY04*	21JUN04A	21JUN04	23AUG04	85	34	25,253.19	74,274.10																										
1404-76	Final inspection	22JUN04	24AUG04	23JUN04	25AUG04	85		0.00	7,500.00																										
1404-77	Ship to PPPL	24JUN04	26AUG04	28JUN04	30AUG04	85		0.00	2,570.00																										
1404-77.1	EIO-Deliver Prototype MCWF			28JUN04	30AUG04	85		0.00	0.00																										
1404-77.5	Inspect & write evaluation report		31AUG04		14SEP04	111		0.00	0.00																										
1404-78	Flow solid & machine simulation for Production	13MAY04*	01JUN04A	30JUN04	30JUL04	1,326	50	20,480.00	40,000.00																										
1404-79	Final MIT/QA plan	20MAY04	01JUL04	01JUL04	30JUL04	106		0.00	19,990.00																										
1404-80	Fixed price proposal	20MAY04	01JUL04	01JUL04	30JUL04	106		0.00	11,960.00																										
1404-80.1	EIO MCWF Fixed price proposal Received			01JUL04	30JUL04	106		0.00	0.00																										
<b>JP Pattern Subcontract (S04340F)</b>																																			
1404-200	JPP- cost FY03	01MAY03A	01MAY03A	30SEP03A	30SEP03A		100	92,170.40	92,170.40																										
1404-82	Authorization by PPPL to begin Fabrication			20OCT03A	20OCT03A		100	0.00	0.00																										
1404-83	Oversight / reporting	21OCT03A	21OCT03A	04MAY04	30SEP04	1,283	LOE	43,001.27	58,425.64																										
1404-84	Process model	21OCT03A	21OCT03A	15APR04	30JAN04A		100	62,438.74	62,438.74																										
1404-85	Build pattern	01DEC03A	01DEC03A	12MAR04	30APR04A		100	79,230.06	79,230.06																										
1404-86	JPP Make casting	15MAR04	03MAY04A	26MAR04	28MAY04A		100	16,434.60	16,434.60																										

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**STATUS THROUGH  
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ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
1404-87	Inspect, repair, heat treat	29MAR04	24MAY04A	27APR04	18AUG04	89	C	63,598.97	119,998.06						
1404-88	Ship, setup for machining	28APR04	19AUG04	30APR04	25AUG04	89		0.00	1,579.76						
1404-89	Perform machining	03MAY04	26AUG04*	23JUN04	21SEP04	89		0.00	281,450.26						
1404-90	Final inspection	24JUN04	22SEP04	28JUN04	28SEP04	89		0.00	8,710.00						
1404-91	Ship to PPPL	29JUN04	29SEP04	30JUN04	30SEP04	89		0.00	3,120.00						
1404-210X	PPPL add'l-forecast increase	28JUN04	01JUN04A	28JUN04	30SEP04	88	C	175,000.00	175,000.00						
1404-91.5	Inspect & write evaluation report		01OCT04		14OCT04	89		0.00	0.00						
1404-91.1	JPP-Deliver Prototype MCWF			30JUN04	30SEP04	89		0.00	0.00						
1404-92	Flow solid & machine simulation for Production	13MAY04*	01JUL04*	30JUN04	30JUL04	1,326		0.00	40,000.00						
1404-93	Final MIT/QA plan	20MAY04	01JUL04	01JUL04	30JUL04	106		0.00	8,170.00						
1404-94	Fixed price proposal	20MAY04	01JUL04	01JUL04	30JUL04	106		0.00	12,150.00						
1404-94.1	JPP MCWF Fixed price proposal received			01JUL04	30JUL04	106		0.00	0.00						
<b>Job: 1405-Mod Coil Winding R&amp;D Prep-CHRZANOWSKI</b>															
<b>FY03 Actual Cost</b>															
1405-002	Apr-Sep YTD MIE Cost ORNL	01APR03A	01APR03A	30MAY03A	30MAY03A			0.00	0.00						
1405-003	Apr-Sep YTD MIE Cost PPPL	01APR03A	01APR03A	30MAY03A	30MAY03A			168,070.00	168,070.00						
<b>Job: 1406 - Mod. Coil Winding R&amp;D-CHRZANOWSKI</b>															
<b>FY03 Actual Cost</b>															
1406-0002	Apr-Sep YTD MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	0.00	0.00						
1406-0003	Apr-Sep YTD MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	831,120.00	831,120.00						
<b>Oversight &amp; Supervision</b>															
1406-000	Supervision & Oversight	01OCT03A	01OCT03A	22JUN04	23JUL04	1,307	LOE	106,785.96	117,218.40						
1406-047	Prepare R&D report	23JUN04	23APR04A	16JUL04	30AUG04	1,281	10	0.00	0.00						
1406-048	Testing & Strain Gauge Design	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	24,253.50	24,253.50						
<b>Keystone R&amp;D</b>															
1406-001	Purchase 10 spools conductor (twisted racetrack)	03NOV03A	03NOV03A	23DEC03A	23DEC03A		100	7,644.00	7,644.00						
1406-003	Purchase 8 spools conductor (long twisted windin	03NOV03A	03NOV03A	23DEC03A	23DEC03A		100	7,644.00	7,644.00						
1406-005	Purchase epoxy & Insulation	03NOV03A	03NOV03A	27FEB04			90	6,370.00	6,370.00						
1406-010	Keystone Test for New Conductor	02JAN04A	02JAN04A	13FEB04	27FEB04A		100	6,144.00	6,144.00						
1406-011	Purchase add'l copper Conductor	02FEB04	01MAR04A	19MAR04	30APR04A		100	8,918.00	8,918.00						
1406-012	Repeat Keystone Test for New Conductor	22MAR04	01JUL04	02APR04	15JUL04	1,313		0.00	6,144.00						
<b>Twisted Racetrack Design (Williamson)</b>															
1406-097	Verify Conductor Dims	01OCT03A	01OCT03A	03OCT03A	03OCT03A		100	2,573.80	2,573.80						
1406-098	Complete Drawings of Casting	13OCT03A	13OCT03A	26NOV03A	26NOV03A		100	15,442.80	15,442.80						
1406-099	Review/Approve Casting Drawings	26NOV03A	26NOV03A	26NOV03A	26NOV03A		100	15,442.80	15,442.80						
1406-101	>>>>>> Clamp&Chill Plate detail Dwgs ECP 9	24NOV03A	24NOV03A	19MAR04	16JUL04	1,312	C	53,827.16	71,294.26						

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**STATUS THROUGH  
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ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY04								FY05								FY06								FY07								FY08																
1406-102	Review/Approve Clamp & Chill Plate Dwgs	22MAR04	01JUL04	02APR04	16JUL04	128	20	3,088.56	15,442.80	lovett,jones,cole,williamson=120																																																
1406-103	Twisted Racetrack FDR			02APR04	30APR04A			0.00	0.00																																																	
1406-103.0	Prep MIT plan		01JUL04		07JUL04	138		0.00	0.00																																																	
1406-103.1	Twisted Racetrack Fab Preparedness Review			16APR04	04AUG04*	118		0.00	0.00																																																	
1406-105	Prepare ANSYS thermal analysis model	31OCT03A	31OCT03A	31OCT03A	31OCT03A		100	2,573.80	2,573.80	williamson=20																																																
1406-106	Analyze Thermal Behavior due to pulse	31OCT03A	31OCT03A	31OCT03A	31OCT03A		100	2,573.80	2,573.80	williamson=20																																																
1406-107	Calculate EM Loads due to max current	03NOV03A	03NOV03A	26NOV03A	26NOV03A		100	5,147.60	5,147.60	williamson=40																																																
1406-108	Prep MECHANICA Struct Analysis Model	03NOV03A	03NOV03A	26NOV03A	26NOV03A		100	5,147.60	5,147.60	freudenberg=40																																																
1406-109	Analyze Stress/deflection due to cooldown,pulse	03NOV03A	03NOV03A	26NOV03A	26NOV03A		100	5,147.60	5,147.60	freudenberg=40																																																
1406-104	Prepare Draft of Coil Test Plan	01OCT03A	01OCT03A	27FEB04	30JUL04	121	75	3,860.70	5,147.60	nelson=40																																																
1406-110	Finalize, Approve coil test plan	01DEC03A	01DEC03A	27FEB04	30JUL04	143	75	7,721.40	10,295.20	nelson=80																																																
<b>Twisted Racetrack Fabrication &amp; Winding (Chrzano)</b>																																																										
1406-014	Bid, Evaluate and Award Casting to EIO or JPP	01DEC03A	01DEC03A	23DEC03A	23DEC03A		100	0.00	0.00																																																	
1406-016	Procure casting from EIO (new scope)	02FEB04	02FEB04A	31MAR04	30JUL04	111		112,100.79	127,387.26	41=\$ 60 + \$40k= \$100k k PE4371																																																
1406-016.1	Inspect & Measure Casting	01APR04	02AUG04	14APR04	13AUG04	111		0.00	0.00																																																	
1406-016.5	PPPL Fabricate chill plates and clamps	05APR04	19JUL04	14MAY04	20AUG04	128		0.00	22,999.02	Machinist=0 hrs (outside M&S \$13k; eb/tb=80)																																																
1406-017	Wind twisted racetrack	17MAY04	16AUG04*	15JUN04	19AUG04	111		0.00	24,576.00	em/tb=320 hrs																																																
1406-018	Mold & VPI twisted racetrack	14JUL04*	20AUG04	06AUG04	15SEP04	111		0.00	18,432.00	em/tb=240 hrs																																																
1406-019	Setup coil in test stand	09AUG04	11OCT04	10AUG04	12OCT04	94		0.00	10,518.40	em/tb=48; ee/tb=32; ee/sm=4																																																
1406-020	Begin Testing of Twisted RT in Coil test Stand	11AUG04	13OCT04			99		0.00	0.00																																																	
1406-021	Perform tests	11AUG04	13OCT04	17AUG04	19OCT04	94		0.00	31,730.40	em/tb=128; ee/tb=56; Hatcher=40; Gettefinger=40; Gemhardt=40																																																
1406-023	Section and Evaluate coil turns	18AUG04	20OCT04	24AUG04	26OCT04	94		0.00	0.00																																																	
<b>Conductor Property Testing</b>																																																										
1406-029	Fab New Specimen Molds	01DEC03A	01DEC03A	25FEB04	30APR04A		100	22,992.00	22,992.00	Machinist=160; em/tb=80																																																
1406-029.1	Design samples		01MAR04A		31MAR04A		100	0.00	0.00	ETC+=williamson=80																																																
1406-030	Fab & Pot samples	26JAN04A	26JAN04A	05MAR04	30JUN04A		100	36,864.00	36,864.00	em/tb= 480 etc += 320hrs																																																
1406-031	Prep fixtures and test equipt	03NOV03A	03NOV03A	16FEB04	28MAY04A		100	69,234.00	69,234.00	kozub=160; Jurzynski=160 Machinist=240; 41=\$ 1 k																																																
1406-032	Test samples	17FEB04*	01MAR04A	30MAR04	30JUL04	1,297	80	51,225.60	64,032.00	Kozub=240; Jurzynski=240																																																
1406-033	Prepare Test report	17MAR04*	19JUL04*	06APR04	06AUG04	1,297		0.00	12,856.00	chrzanowski=80																																																
1406-034	Mod Coil Conductor/Insulation FDR			13APR04*	06AUG04*	1,297		0.00	0.00																																																	
<b>"inchworm" Twisted Winding</b>																																																										
1406-119	Join straight sections w/2 end loops	01OCT03A	01OCT03A	30JAN04A	30JAN04A		100	31,590.00	31,590.00	welder=150; machinist=150																																																
1406-120	Wind Conductor	30JAN04A	30JAN04A	25FEB04	28MAY04A		100	18,432.00	18,432.00	em/tb=240																																																
1406-040	JOULE MILESTONE #2-Begin winding on 3D surface	30JAN04A	30JAN04A					0.00	0.00	Initiate Winding Process on a 3D Surface & assess Implications f/ Design and Fabrication. 2nd QUARTER FY04 (March 2004)																																																

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**STATUS THROUGH  
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ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year					
										FY04	FY05	FY06	FY07	FY08	
<b>Job: 1407 -Mod Coil Winding Facility-CHRZANOWSKI</b>															
<b>FY03 Actual Cost</b>															
1407-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	267,550.00	267,550.00						
<b>Oversight and Supervision</b>															
1407-002	Winding Facility, Tooling, Materials Oversight	01OCT03A	01OCT03A	30JUN04			LOE	193,390.20	193,390.20						
1407-002.1	Prep Winding Facility Ops Plan(reqd for TRT FRR)		01JUL04		15JUL04		132	LOE	0.00	0.00					
1407-003	Winding Facility, Tooling, Design	01OCT03A	01OCT03A	30SEP04	30JUL04	1,302	85	115,709.48	136,128.80						
<b>Autoclave, Turning Fixture &amp; other components</b>															
1407-005	Domes & cylinder Fab & Deliver (PE4226)	01DEC03A	01DEC03A	23DEC03A	23DEC03A		100	20,167.42	20,167.42						
1407-006.2	Blower/Elec HW- Fab & Deliver (PE 4218)	31OCT03A	31OCT03A	31OCT03A	31OCT03A		100	509.60	509.60						
1407-008	Remaining Autoclave components-Deliver	01OCT03A	01OCT03A	09MAR04	31MAR04A		100	11,466.00	11,466.00						
1407-011	Fabricate Autoclave	01OCT03A	01OCT03A	08APR04	31MAR04A		100	163,036.80	163,036.80						
1407-012	Autoclave PTP	09APR04	01JUL04	15APR04	13AUG04		115	0.00	9,216.00						
1407-013	Autoclave PTP Complete			15APR04	13AUG04*		120	0.00	0.00						
1407-100	Fabricate turning fixtures and coil supports	01DEC03A	01DEC03A	30JUN04	20AUG04	1,287	C	281,320.00	305,500.00						
1407-100.2	Fabr turning fixt&coil supports **2nd line**	01JUL04	02FEB04A	30SEP04	20AUG04	239	70	131,313.00	179,400.00						
1407-098	Final Dwgs for winding clamps	01DEC03A	01DEC03A	27FEB04	30JUN04A		100	0.00	0.00						
1407-110	Fabricate Winding clamp sets (100)	23MAR04*	01MAY04A	30JUN04	26AUG04	171	50	40,488.00	80,976.00						
1407-110.2	Fabr Winding clamp sets (100)**2nd line**	01OCT04*	01OCT04*	11JAN05	11JAN05	147		0.00	40,027.50						
1407-115	Fabricate Conductor payout spool system	02FEB04*	01MAR04A	30JUN04	30JUN04A		100	94,258.40	94,258.40						
1407-115.2	Fabr Conduct payout spool syst ** 2nd line**	01JUL04*	01APR04A	30SEP04	14OCT04	201	50	33,210.69	66,421.37						
1407-125	Fabricate VPI tanks & equipt/components	01MAR04*	02FEB04A	30JUN04	10SEP04	1,273	10	6,389.80	63,898.00						
1407-130	Misc tools & equipt	01MAR04*	02FEB04A	30JUN04	30SEP04	1,259	35	17,836.00	50,960.00						
1407-135	Fabricate Coil support structure (2)	01MAR04*	01JUL04*	30JUN04	11OCT04	1,252		0.00	40,483.83						
<b>Area Preparation</b>															
1407-200	Decon TFTR test Cell Crane	26NOV03A	26NOV03A	26NOV03A	26NOV03A		N/R	18,432.00	18,432.00						
1407-202	Setup facility stations	16APR04*	01MAR04A	02JUL04	30JUL04	1,302	30	34,994.16	116,647.20						
1407-204	Build cleanrooms (2) locations	16FEB04*	02FEB04A	29JUN04	30JUN04A		100	108,650.00	108,650.00						
1407-204.2	Build cleanroom (1 addl) **2nd line**	30JUN04	02FEB04A	30SEP04	30JUN04A		100	54,325.00	54,325.00						
<b>Job:1408-Mod Coil Winding Supplies-CHRZANOWSKI</b>															
<b>FY03 Actual Cost</b>															
1408-001	Apr-Sep YTD MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	29,790.00	29,790.00						
<b>Epoxy</b>															
1408-111	Epoxy -Spec & Requisition	14APR04	01JUL04*	27APR04	15JUL04	201		0.00	0.00						
1408-113	Epoxy -Prep & Issue RFQ/RFP	28APR04	16JUL04	09JUN04	29JUL04	201		0.00	0.00						
1408-114	Epoxy -Evaluate Bids & Award		30JUL04		26AUG04	201		0.00	0.00						
1408-117	Epoxy -1st Delivery for Production	21DEC04	14FEB05	19JAN05	11MAR05	85		0.00	19,380.00						

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY						
										FY04	FY05	FY06	FY07	FY08		
1408-119	Epoxy -2nd Delivery for Production	21FEB05	13APR05	18MAR05	10MAY05	88		0.00	19,380.00							
1408-121	Epoxy -3rd Delivery for Production	16MAY05	08JUL05	13JUN05	04AUG05	87		0.00	19,380.00							
1408-123	Epoxy -4th Delivery for Production	04AUG05	27SEP05	31AUG05	24OCT05	86		0.00	19,575.00							
1408-125	Epoxy -5th Delivery for Production	25OCT05	23DEC05	21NOV05	23JAN06	84		0.00	19,575.00							
1408-127	Epoxy -6th Delivery for Production	20JAN06	14MAR06	16FEB06	10APR06	81		0.00	19,575.00							
1408-115	Epoxy -Delivery for Prototype	10JUN04	01JUL04	08JUL04	29JUL04	1,327		0.00	6,370.00							
<b>Insulation for conductor</b>																
1408-101	Insulation-Spec & Requisition	14APR04	01JUL04*	20APR04	09JUL04	140		0.00	0.00							
1408-103	Insulation-Prep & Issue RFQ/RFP	21APR04	12JUL04	02JUN04	23JUL04	140		0.00	0.00							
1408-104	Insulation-Evaluate Bids & Award		26JUL04		20AUG04	140		0.00	0.00							
1408-107	Insulation-Delivery for Production	16JUL04	23AUG04	15OCT04	22NOV04	140		0.00	83,980.00							
1408-105	Insulation-Delivery for Prototype	03JUN04	01JUL04	15JUL04	12AUG04	1,317		0.00	3,822.00							
<b>Copper Conductor</b>																
1408-141	Copper Conductor -Spec & Requisition	14APR04	01JUL04*	27APR04	15JUL04	171		0.00	0.00							
1408-142	Copper Conductor -Prep & Issue RFQ/RFP		16JUL04		29JUL04	171		0.00	0.00							
1408-143	Copper Conductor -Evaluate Bids & Award	28APR04	30JUL04	09JUN04	26AUG04	171		0.00	0.00							
1408-143.1	Mod Coil Copper Conductor Awarded			09JUN04	26AUG04	171		0.00	0.00							
1408-147	Copper Conductor -Delivery for Production	05NOV04	12OCT04	19JAN05	22DEC04	140		0.00	301,036.00							
1408-145	Copper Conductor -Delivery for Prototype	17JUN04	01JUL04	05AUG04	19AUG04	1,312		0.00	15,288.00							
<b>Chill Plates and Clamps</b>																
1408-131	Chill plates & clamps -Spec & Requisition	26APR04	16NOV04	07MAY04	01DEC04	85		0.00	0.00							
1408-133	Chill plates & clamps -Bid & Award	08JUL04	02DEC04	04AUG04	30DEC04	85		0.00	0.00							
1408-137	Chill plates & clamps Production Type C	26AUG04	31DEC04	19JAN05	20MAY05	85		0.00	93,024.00							
1408-138	Chill plates & clamps Production Type A	09FEB05	23MAY05	29JUN05	11OCT05	105		0.00	93,089.52							
1408-139	Chill plates & clamps Production Type B	21JUL05	12OCT05	09DEC05	06MAR06	116		0.00	93,960.00							
1408-135	Chill plates & clamps -Deliver Prototype (type C)	05AUG04	01JUL04	30SEP04	26AUG04	1,307		0.00	15,288.00							
<b>G-11 Filler</b>																
1408-151	G-11 Filler Fabrication - Prototype (type c)	30JUN04	01JUL04	30SEP04	01OCT04	1,282		0.00	35,558.28							
1408-153	G-11 Filler Fabrication - Production Type C	01OCT04	16NOV04	19JAN05	04MAR05	90		0.00	108,300.00							
1408-154	G-11 Filler Fabrication - Production Type A	29NOV04	21JAN05	29JUN05	22AUG05	91		0.00	108,300.00							
1408-155	G-11 Filler Fabrication - Production Type B	10MAY05	10MAY05	09DEC05	09DEC05	125		0.00	108,876.00							
<b>Lead hardware</b>																
1408-163	Lead hardware Fabrication - Production Type C	22OCT04	16NOV04	16FEB05	11MAR05	105		0.00	51,984.00							
1408-164	Lead hardware Fabrication - Production Type A	09MAR05	18JAN05	29JUN05	09MAY05	164		0.00	51,984.00							
1408-165	Lead hardware Fabrication - Production Type B	18AUG05	10MAY05	09DEC05	31AUG05	195		0.00	51,984.00							
1408-161	Lead hardware Fabrication - Prototype (type c)	30JUN04	01JUL04	30SEP04	01OCT04	1,282		0.00	32,638.95							

Run Date 13JUL04 13:46



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**STATUS THROUGH  
JULY 1, 2004  
ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year					
										FY04	FY05	FY06	FY07	FY08	
<b>Other</b>															
1408-173	Misc supplies/mat'l's for Production Windings	01OCT04*	01OCT04*	13DEC04	13DEC04	147		0.00	32,300.00						
1408-183	VPI Supplies -Epoxy & tape for Production 40%	20JUL04*	20JUL04*	28SEP04	28SEP04	199		0.00	17,836.00						
1408-184	VPI Supplies -Epoxy & tape for Production 60%	01OCT04*	01OCT04*	13DEC04	13DEC04	1,233		0.00	28,424.00						
1408-185	VPI Supplies -Valves & Tubing 40%	20JUL04*	20JUL04*	28SEP04	28SEP04	199		0.00	20,384.00						
1408-186	VPI Supplies -Valves & Tubing 60%	01OCT04*	01OCT04*	13DEC04	13DEC04	1,233		0.00	31,008.00						
1408-171	Misc supplies/mat'l's for Prototype	22JUL04	01JUL04	30SEP04	10SEP04	1,297		0.00	5,096.00						
1408-181	VPI Supplies for Prototype(mold epoxy,& hardware	22JUL04	01JUL04	30SEP04	10SEP04	1,297		0.00	10,213.60						
<b>Job: 1409 - Mod. Coil Test Stand-GETTELFINGER</b>															
<b>Test Stand</b>															
1409-000	FY04 Oct-Mar	20OCT03A	20OCT03A	31MAR04A	31MAR04A		100	215,830.82	215,830.82						
1409-026	Install Electrical	01JAN04A	01JAN04A	31MAR04A	31MAR04A		100	0.00	0.00						
1409-030	Generate I2T Reqmnts	23FEB04A	23FEB04A	15MAR04A	15MAR04A		100	0.00	0.00						
1409-036	Define N2 Ejection Scheme	23FEB04A	23FEB04A	24FEB04A	24FEB04A		100	0.00	0.00						
1409-038	Plan/Procure N2 Ejection Scheme	25FEB04A	25FEB04A	15MAR04A	15MAR04A		100	0.00	0.00						
1409-029	Oversight/Supervision	01APR04	01APR04A	02AUG04	08OCT04	94	LOE	16,759.19	35,061.08						
1409-025	Complete Design **ECP-6**\$ incr*	01APR04*	01APR04A	30APR04	30APR04A		100	26,931.20	26,931.20						
1409-032	Design I2T Protection **ECP-6**\$ incr*	01APR04*	01APR04A	30APR04	30APR04A		100	6,028.00	6,028.00						
1409-034	Fabricate I2T Cards **ECP-6**\$ incr*	03MAY04*	01APR04A	21MAY04	28MAY04A		100	15,795.00	15,795.00						
1409-040	Install N2 Ejection Scheme **ECP-6**\$ incr*	27MAY04*	01MAY04A	16JUN04	12JUL04	141	95	12,103.00	12,740.00						
1409-027	Cryo Line Installation	13MAY04*	03MAY04A	26MAY04	01SEP04	104	5	1,402.65	28,053.00						
1409-110	ES&H Peer Review	05APR04*	05APR04A	05APR04	05APR04A		100	0.00	0.00						
1409-100	Design Controls Modifications **ECP-6*new scope*	08APR04*	08APR04A	05MAY04	28MAY04A		100	46,696.80	46,696.80						
1409-120	Install Control Modifications **ECP-6*new scope*	06MAY04	01MAY04A	24MAY04	30JUN04A		100	12,288.00	12,288.00						
1409-044	Final Design & Oper Preparedness Rvw **ECP-6*new*	24MAY04*	01JUL04*	24MAY04	01JUL04	147		0.00	0.00						
1409-028	System Testing **ECP-6**\$ incr*	17JUN04	02SEP04	30JUN04	15SEP04	104		0.00	17,912.00						
1409-046	Facility (simply cooled) Available**ECP-6**\$ inc			30JUN04	15SEP04	104		0.00	0.00						
1409-140	Design Closed Loop LN2 System **ECP-6*new scope*	07APR04*	06JUL04*	13MAY04	14JUL04	1,314		0.00	0.00						
1409-130	Cryostat (specimen shroud) dsn **ECP-6*new scope	30APR04	01SEP04*	13MAY04	22SEP04	94		0.00	6,460.00						
1409-145	Peer rvw closed loop LN2 syst **ECP-6*new scope	14MAY04	14JUL04*	14MAY04	14JUL04	107		0.00	0.00						
1409-150	Proc Mat'l's/pump f/closed LN2 **ECP-6*new scope	17MAY04	15JUL04	22JUL04	10SEP04	107		0.00	19,110.00						
1409-155	Fab/Instl Closed Loop LN2 sys **ECP-6*new scope	01JUL04	09SEP04*	22JUL04	29SEP04	94		0.00	12,636.00						
1409-135	Cryostat (specimen shroud) Fabr**ECP-6*new scope	01JUL04	23SEP04*	22JUL04	08OCT04	94		0.00	22,178.00						
1409-160	Test Closed Loop Cooling**ECP-6*new scope	23JUL04	30SEP04	02AUG04	08OCT04	94		0.00	3,147.43						
1409-165	Closed Loop Facility Available**ECP-6*new scope			02AUG04	08OCT04	94		0.00	0.00						



Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year				
										FY04	FY05	FY06	FY07	FY08
<b>Job: 1410 Mod Coil Prototype Winding-CHRZANOWSKI</b>														
<b>Prototype Winding</b>														
141-3-44	>>> Oversight, materials, supplies (ecp 9 repro)	01OCT04	01OCT04*	28OCT04	28OCT04	1,239		0.00	32,820.00					
141-3-45	>>> Winding/Facility Shakedown(ecp 9 repro)	01OCT04*	01OCT04*	28OCT04	28OCT04	1,232		0.00	50,560.00					
141-3-46	>>> Test prototype coil (station 6) ecp 9	29OCT04	29OCT04	08NOV04	08NOV04	1,232		0.00	0.00					
<b>Job: 1411-Modular Coil Casting Fab-HEITZENROEDER</b>														
<b>Type C Castings</b>														
172-031	Title III engr	24MAY04*	24MAY04A	29SEP06	29SEP06	761		13,337.41	289,943.89					
172-037	MCWF FAB ba=.6/3.22/1.02 BO=.4/2.6/1.84	30AUG04	21OCT04	11APR06	02JUN06	80		0.00	5,288,983.31					
C-121	Castings-C-1-1 (1st MCC form delivered)	30AUG04	21OCT04	15DEC04	15FEB05	80		0.00	0.00					
C-121.1	First MCWF Delivered			15DEC04	15FEB05	91		0.00	0.00					
C-181	Castings-C-4-1	20DEC04	18FEB05	21JAN05	15MAR05	80		0.00	0.00					
C-261	Castings-C-7-2	26JAN05	18MAR05	18FEB05	12APR05	80		0.00	0.00					
C-321	Castings-C-10-2	23FEB05	15APR05	18MAR05	10MAY05	80		0.00	0.00					
C-401	Castings-C-13-3	23MAR05	13MAY05	15APR05	08JUN05	80		0.00	0.00					
C-461	Castings-C-16-3	20APR05	13JUN05	13MAY05	07JUL05	80		0.00	0.00					
<b>Type A Castings</b>														
C-101	Castings-Production casting tooling prep type MI	16DEC04	16FEB05	25MAR05	17MAY05	117		0.00	0.00					
C-141	Castings-A-2-1	18MAY05	12JUL05	13JUN05	04AUG05	80		0.00	0.00					
C-201	Castings-A-5-1	14JUN05	05AUG05	08JUL05	30AUG05	80		0.00	0.00					
C-281	Castings-A-8-2	13JUL05	02SEP05	04AUG05	27SEP05	80		0.00	0.00					
C-341	Castings-A-11-2	09AUG05	30SEP05	31AUG05	24OCT05	80		0.00	0.00					
C-421	Castings-A-14-3	06SEP05	27OCT05	28SEP05	18NOV05	80		0.00	0.00					
C-481	Castings-A-17-3	03OCT05	23NOV05	25OCT05	19DEC05	80		0.00	0.00					
<b>Type B Castings</b>														
C-102	Castings-Production casting tooling prep type BU	28MAR05	18MAY05	27JUN05	18AUG05	164		0.00	0.00					
C-161B	Castings-B-3-1	28OCT05	22DEC05	21NOV05	23JAN06	80		0.00	0.00					
C-221B	Castings-B-6-1	28NOV05	26JAN06	20DEC05	17FEB06	80		0.00	0.00					
C-301B	Castings-B-9-2	23DEC05	22FEB06	24JAN06	16MAR06	80		0.00	0.00					
C-361B	Castings-B-12-2	25JAN06	17MAR06	16FEB06	10APR06	80		0.00	0.00					
C-441B	Castings-B-15-3	21FEB06	13APR06	15MAR06	05MAY06	80		0.00	0.00					
C-501B	Castings-B-18-3 (last MCC form delivered)	20MAR06	10MAY06	11APR06	02JUN06	80		0.00	0.00					
C-501B1	Last MCWF Delivered			11APR06	02JUN06	80		0.00	0.00					
<b>Job: 1421 - Type C Winding/VPI-CHRZANOWSKI</b>														
<b>Labor</b>														
171-040	Winding Oversight (LOE)	07DEC04*	07DEC04*	14SEP06	14SEP06	772		0.00	635,298.88					

■ Chrzanowski= 120; Meighan =120 scaled down effort. For facility shakedown only.  
■ FOM TECHS TB=640hr; scaled down effort. For facility shakedown only.  
■ deleted ECP 9

■ Heitzenroeder =342hr; travel=\$48k  
■ 41=500\$k ; 4E=4,339.3 ; 35=BA=6/3.22/1.02 BO=.4/2.6/1.84

▼ PEP Date = March 2005

▼ PEP Date = August 2006

■ Chrzanowski=2302; Meighan=120

Run Date 13JUL04 13:46

■ current schedule  
■ xECP9 Baseline  
■ Progress Bar  
■ Critical Activity

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**STATUS THROUGH**  
**JULY 1, 2004**  
**ECP 9**



Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl't	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year							
										FY04	FY05	FY06	FY07	FY08			
P2-121	Receive casting A-11-2	01SEP05	25OCT05	19SEP05	09NOV05	82		0.00	0.00								
P2-131	Wind coil A-11-2 (station 3)	20SEP05	10NOV05	09NOV05	11JAN06	82		0.00	0.00								
P2-141	VPI, test & Ship A-11-2 (station 4/5/6)	10NOV05	12JAN06	06JAN06	28FEB06	96		0.00	0.00								
<b>Period 3</b>																	
P3-031	Receive casting A-14-3	29SEP05	21NOV05	14OCT05	08DEC05	85		0.00	0.00								
P3-041	Wind coil A-14-3 (station 2)	17OCT05	09DEC05	08DEC05	07FEB06	85		0.00	0.00								
P3-051	VPI, Test & ship A-14-3 (station 4/5/6)	09DEC05	08FEB06	02FEB06	27MAR06	92		0.00	0.00								
P3-121	Receive casting A-17-3	26OCT05	20DEC05	10NOV05	12JAN06	81		0.00	0.00								
P3-131	Wind coil A-17-3 (station 3)	11NOV05	13JAN06	12JAN06	06MAR06	81		0.00	0.00								
P3-141	VPI, Test & ship A-17-3 (station 4/5/6)	13JAN06	07MAR06	01MAR06	21APR06	88		0.00	0.00								
<b>Job: 1423 - Type B Winding/VPI-CHRZANOWSKI</b>																	
<b>Period 1</b>																	
P1-061	Receive casting B-3-1	22NOV05	24JAN06	09DEC05	08FEB06	84		0.00	0.00								
P1-071	Wind coil B-3-1 (station 2)	12DEC05	09FEB06	08FEB06	31MAR06	84		0.00	0.00								
P1-081	VPI, Test & Ship B-3-1 (station 4/5/6)	09FEB06	03APR06	28MAR06	18MAY06	84		0.00	0.00								
P1-151	Receive casting B-6-1	21DEC05	20FEB06	13JAN06	07MAR06	80		0.00	0.00								
P1-161	Wind coil B-6-1 (station 3)	16JAN06	08MAR06	07MAR06	27APR06	80		0.00	0.00								
P1-171	VPI, Test & Ship B-6-1 (station 4/5/6)	08MAR06	28APR06	24APR06	15JUN06	80		0.00	0.00								
<b>Period 2</b>																	
P2-061	Receive casting B-9-2	25JAN06	17MAR06	09FEB06	03APR06	83		0.00	0.00								
P2-071	Wind coil B-9-2 (station 2)	10FEB06	04APR06	03APR06	24MAY06	83		0.00	0.00								
P2-081	VPI, Test & Ship B-9-2 (station 4/5/6)	04APR06	25MAY06	19MAY06	13JUL06	83		0.00	0.00								
P2-151	Receive casting B-12-2	17FEB06	11APR06	06MAR06	26APR06	81		0.00	0.00								
P2-161	Wind coil B-12-2 (station 3)	08MAR06	28APR06	27APR06	20JUN06	80		0.00	0.00								
P2-171	VPI, Test & Ship B-12-2 (station 4/5/6)	28APR06	21JUN06	15JUN06	08AUG06	80		0.00	0.00								
<b>Period 3</b>																	
P3-061	Receive casting B-15-3	16MAR06	08MAY06	31MAR06	23MAY06	84		0.00	0.00								
P3-071	Wind coil B-15-3 (station 2)	04APR06	25MAY06	24MAY06	18JUL06	83		0.00	0.00								
P3-081	VPI, Test & ship B-15-3 (station 4/5/6)	25MAY06	19JUL06	13JUL06	05SEP06	83		0.00	0.00								
P3-151	Receive casting B-18-3	12APR06	05JUN06	27APR06	20JUN06	80		0.00	0.00								
P3-161	Wind coil B-18-3 (station 3)	28APR06	21JUN06	20JUN06	11AUG06	80		0.00	0.00								
P3-171	Apply Mold, VPI, Test & ship B-18-3 (last mcc)	21JUN06	14AUG06	08AUG06	29SEP06	80		0.00	0.00								
<b>Job: 1431 - Modular Coil Local I&amp;C</b>																	
174-001	Title I design WBS 143 Mod coil local I&C	03OCT05*	03OCT05*	11NOV05	11NOV05	316		0.00	14,027.29								
174-011	Title II design WBS 143 Mod coil local I&C	14NOV05	14NOV05	04JAN06	04JAN06	316		0.00	14,027.29								
174-035	Modular Coil local I&C -Procurement	05JAN06	05JAN06	29MAR06	29MAR06	321		0.00	17,395.65								

 Williamson =97hr ;  
 Williamson =97hr ;  
 41=\$13.33k

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY				
										FY04	FY05	FY06	FY07	FY08
174-036	Modular Coil local I&C -Title III	05JAN06	05JAN06	26APR06	26APR06	884		0.00	5,529.26					
174-037	Modular Coil local I&C -Install	15JAN07*	15JAN07*	09FEB07	09FEB07	120		0.00	70,223.20					

**15 - Structures**

**Job: 1501 - Structures Design- Kalish**

**PDR/PBR Task List**

1501-105	Project PDR	07OCT03A	07OCT03A	07OCT03A	07OCT03A		100	0.00	0.00
1501-109	Prepare FY 04 WP/WAF	31OCT03A	31OCT03A	31OCT03A	31OCT03A		100	12,856.00	12,856.00
1501-113	Prepare PBR documentation	04NOV03A	04NOV03A	18NOV03A	18NOV03A		100	6,428.00	6,428.00
1501-117	Performance baseline review			18NOV03A	18NOV03A		100	0.00	0.00

**Reqmnts, Configuration, Interfaces and PDR**

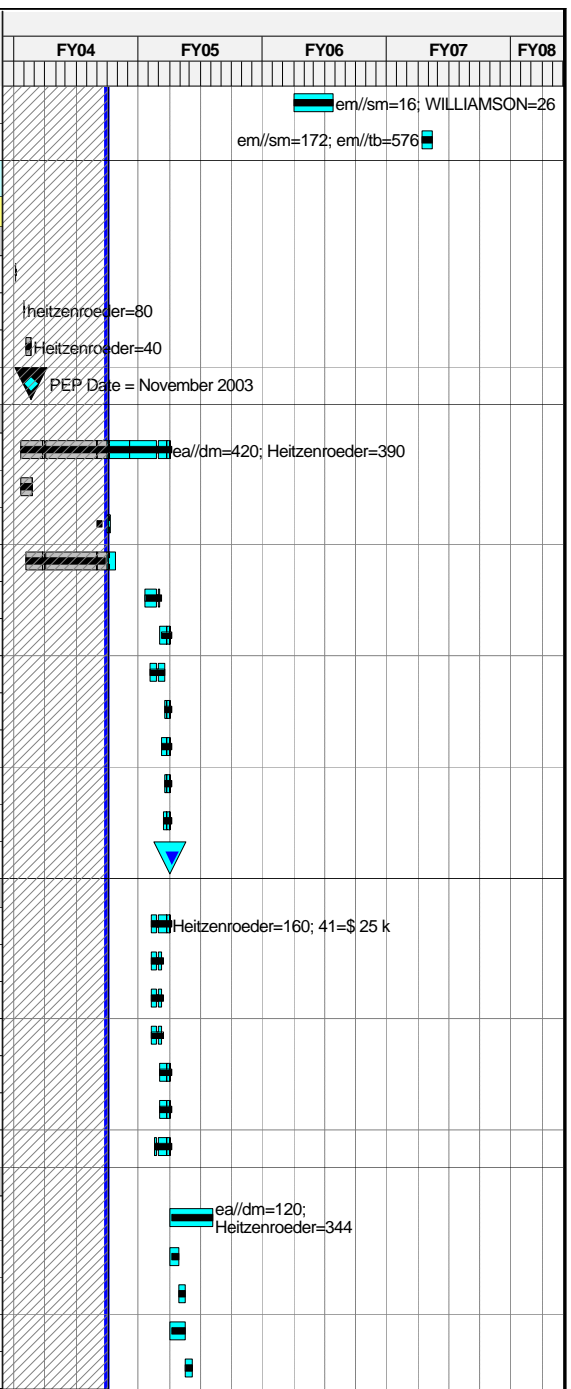
1501-121	Reqmnts, Config, Interfaces, PDR (summary task)	21OCT03A	21OCT03A	05JAN05	04JAN05	123	LOE	0.00	0.00
1501-125	Update drawings & models based on vendor recomb	21OCT03A	21OCT03A	26NOV03A	26NOV03A		100	28,765.30	28,765.30
1501-129	Develop a SRD design to spec	03JUN04*	01JUL04	16JUN04	09JUL04	235		0.00	6,267.30
1501-133	Prepare a "scope sheet" which defines all interf	03NOV03A	03NOV03A	25JUN04	28JUL04	232	90	5,640.57	6,267.30
1501-137	Prepare assembly & interface drawings for ICDs	22OCT04	21OCT04	06DEC04	03DEC04	123		0.00	29,570.80
1501-141	Finalize and approve all ICDs	07DEC04	06DEC04	05JAN05	04JAN05	123		0.00	6,442.80
1501-145	Prepare assembly drawings for structure / coils	05NOV04	04NOV04	20DEC04	17DEC04	123		0.00	29,570.80
1501-149	Update design basis document; address size and w	21DEC04	20DEC04	05JAN05	04JAN05	123		0.00	6,442.80
1501-157	Perform RAM & ES&H analyses document in design b	08DEC04	07DEC04	05JAN05	04JAN05	123		0.00	6,442.80
1501-161	Update cost and schedule	21DEC04	20DEC04	05JAN05	04JAN05	123		0.00	6,442.80
1501-162	PDR Preparation	14DEC04	13DEC04*	05JAN05	04JAN05	123		0.00	6,442.80
1501-165	Perform Coil Support Structure PDR			05JAN05*	04JAN05*	123		0.00	0.00

**Preliminary Design Analyses**

1501-169	Design Analyses (summary task)	11NOV04	10NOV04	05JAN05	04JAN05	123		0.00	0.00
1501-173	Update ANSYS model of coils & structure	11NOV04	10NOV04	13DEC04	10DEC04	123		0.00	10,755.20
1501-177	Perform structural stress analyses	11NOV04	10NOV04	13DEC04	10DEC04	123		0.00	10,755.20
1501-181	Perform structural deflection analyses	11NOV04	10NOV04	13DEC04	10DEC04	123		0.00	10,755.20
1501-185	Check EM loads for reference scenarios	06DEC04	03DEC04	05JAN05	04JAN05	123		0.00	10,755.20
1501-189	Perform EM combined loads & fault conditions	06DEC04	03DEC04	05JAN05	04JAN05	123		0.00	11,085.60
1501-221	Prepare Failure Modes Assessment (FMECA)	18NOV04	17NOV04	05JAN05	04JAN05	123		0.00	4,625.60

**Structures Final Design**

1501-205	Structures FDR (summary task)	06JAN05	05JAN05	06MAY05	05MAY05	123		0.00	0.00
1501-197	Update analyses based on PDR recommendations	06JAN05	05JAN05	26JAN05	25JAN05	123		0.00	6,277.60
1501-201	Independent check of EM/ ANSYS analyses	27JAN05	26JAN05	16FEB05	15FEB05	123		0.00	6,277.60
1501-209	Prepare final drawings	06JAN05*	05JAN05*	16FEB05	15FEB05	123		0.00	19,493.60
1501-213	Check & promote models / drawings	17FEB05	16FEB05	09MAR05	08MAR05	123		0.00	12,885.60



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**STATUS THROUGH  
JULY 1, 2004  
ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY				
										FY04	FY05	FY06	FY07	FY08
1501-217	Update build to spec / sow	10MAR05	09MAR05	29MAR05	28MAR05	123		0.00	6,277.60					
1501-225	Update design basis document	30MAR05	29MAR05	13APR05	12APR05	123		0.00	6,277.60					
1501-229	Update cost & schedule estimates	13APR05	12APR05	06MAY05	05MAY05	123		0.00	6,277.60					
1501-233	Prepare FDR documentation / presentations	13APR05	12APR05	06MAY05	05MAY05	123		0.00	6,442.80					
1501-237	Prepare ECP for FDR	13APR05	12APR05	06MAY05	05MAY05	123		0.00	6,442.80					
1501-241	FDR Coil Support Structure			06MAY05	05MAY05	123		0.00	0.00					

**Job: 1520-Structures Procure,Fab,Title III**

1501-245	Prep Spec,Solicit Bids, and Evaluate Bids	09MAY05	06MAY05	09AUG05	08AUG05	123		0.00	0.00					
162-036.9	Award Coil Support Assy			09AUG05*	08AUG05*	118		0.00	0.00					
162-037	WBS 151Coil Support Assy Procurement [A/1]	10AUG05	09AUG05	08AUG06	07AUG06	118		0.00	987,105.48					
162-031	Title III engr WBS 151	10AUG05	09AUG05	08AUG06	07AUG06	799		0.00	153,515.32					
153.037	WBS 153 Support Structure I&C Procurement/Fab	03OCT05*	03OCT05*	29SEP06	29SEP06	232		0.00	8,464.20					
153.015	Title III design WBS 153 locall&C	03OCT05*	03OCT05*	29SEP06	29SEP06	761		0.00	4,648.46					

**16 - Coil Services**

**161 - LN2 Distribution**

191-001	Title I design WBS 161 LN2 manifolds&piping	01DEC05*	01DEC05*	09MAR06	09MAR06	127		0.00	49,812.41					
191-011	Title II design WBS 161 LN2 manifolds&piping	10MAR06	10MAR06	02JUN06	02JUN06	127		0.00	99,769.73					
191-031	Title III engr WBS 161	05JUN06*	05JUN06*	17JUL07	17JUL07	564		0.00	14,468.81					
191-037	Procurement WBS 161	05JUN06*	05JUN06*	07DEC06	07DEC06	127		0.00	69,999.49					
191-038	PDR#17	08DEC06*	08DEC06*	18JUN07	18JUN07	584		0.00	59,974.72					
191-041	LN2 Manifolds & ppg Fab/assy WBS 161	08DEC06*	08DEC06*	16MAR07	16MAR07	127		0.00	32,986.60					
191-042	PDR #17,25,3	08DEC06*	08DEC06*	16MAR07	16MAR07	649		0.00	10,512.80					

**162 - Electrical Leads**

132-000	PDR #17 & 25	30NOV05*	30NOV05*	22MAR07	22MAR07	645		0.00	40,162.88					
132-001	Title I design WBS 162 Coil leads	01DEC05*	01DEC05*	09JUN06	09JUN06	127		0.00	129,613.39					
132-011	Title II design WBS 162 Coil leads	12JUN06	12JUN06	14DEC06	14DEC06	127		0.00	133,039.37					
132-015	Title III design WBS 162 Coil leads	15DEC06*	15DEC06*	16MAR07	16MAR07	649		0.00	16,105.48					
132-037	Coil Leads Procurement WBS 162	15DEC06*	15DEC06*	16MAR07	16MAR07	127		0.00	302,334.24					

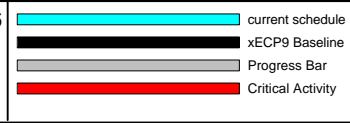
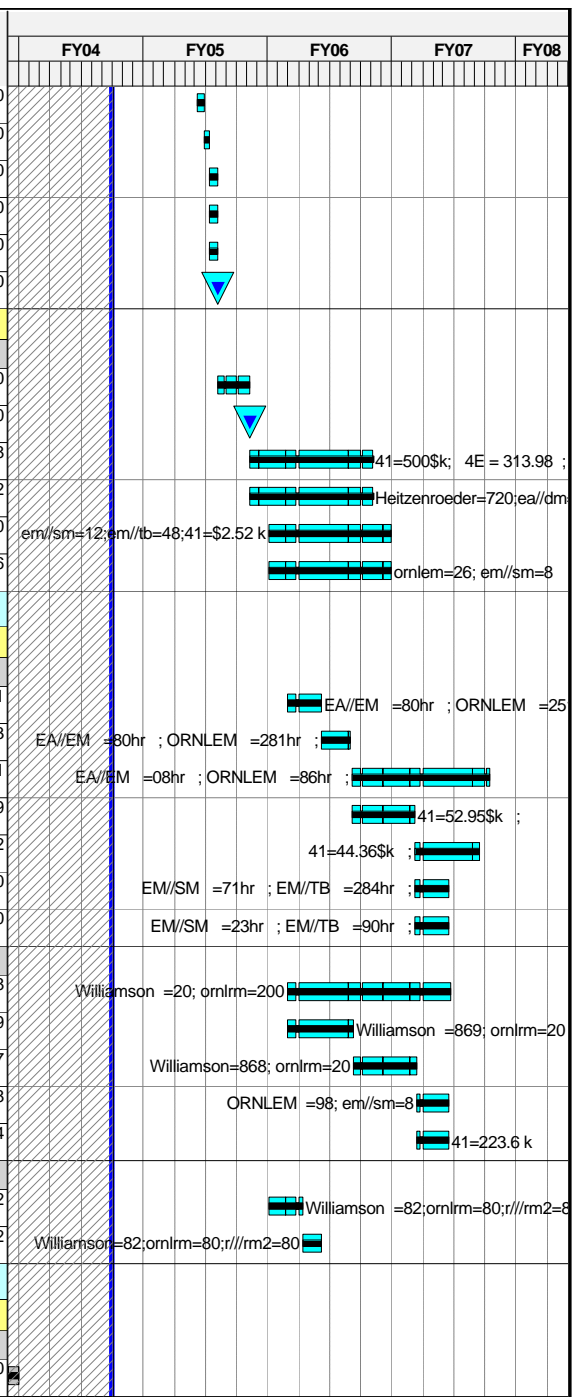
**163 - Coil Protection System**

163.001	Title I design WBS 163 Coil protection	03OCT05*	03OCT05*	11JAN06	11JAN06	905		0.00	39,029.02					
163.011	Title II design WBS 163 Coil protection	12JAN06	12JAN06	08MAR06	08MAR06	905		0.00	39,029.02					

**17 - Cryostat and Base Support Structure**

**Job:1701-Cryostat&Base Sprt Strct Dsn-GETTLEFINGER**

FY03 Actual Cost		01APR03A		01APR03A		30SEP03A		30SEP03A		%	Earned value	Baseline Budget
1701-001	Apr-Sept MIE Costs PPPL											



Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY						
										FY04	FY05	FY06	FY07	FY08		
151-000	Adv Concep Design Cryostat shell & struct		01DEC03A		31MAR04A		100	0.00	0.00							
151-001	Title I design WBS 171 cryostat shell & struct	03MAY04*	01APR04A	22SEP04	22SEP04	171	55	60,531.02	110,056.40							
151-002	Cryostat & Base Support Struct PDR			22SEP04	22SEP04	171		0.00	0.00							
161-001	Title I design WBS 172 base support struct	03MAY04*	01APR04A	22SEP04	22SEP04	171	20	10,101.40	50,507.00							
<b>171 - Cryostat</b>																
151-011	Title II design WBS 171 cryostat shell & struct	01OCT04*	01OCT04*	22SEP05	22SEP05	171		0.00	226,216.90							
151-012	WBS 17 FDR			22SEP05	22SEP05	171		0.00	0.00							
151-031	Title III engr	15DEC05	15DEC05	28MAR07	28MAR07	641		0.00	30,815.05							
151-036.8	Prep Spec, Solicit bids, and Select Vendor	15DEC05*	15DEC05*	23MAR06	23MAR06	124		0.00	0.00							
151-036.9	Award Cryostat Procurement			23MAR06	23MAR06	124		0.00	0.00							
151-037	Cryostat Procurement [A/1]	24MAR06	24MAR06	22MAR07	22MAR07	124		0.00	479,215.43							
<b>172 - Base Support Structure</b>																
161-011	Title II design WBS 172 base support struct	23SEP04	23SEP04	22SEP05	22SEP05	171		0.00	54,706.46							
161-031	Title III engr WBS 172	01DEC05	01DEC05	10JUL06	10JUL06	819		0.00	46,651.32							
161-036.8	Prep Spec, Solicit bids, and Select Vendor	01DEC05*	01DEC05*	09MAR06	09MAR06	124		0.00	0.00							
161-036.9	Award Machine Base&supports Procurement			09MAR06	09MAR06	124		0.00	0.00							
161-037	Machine Base&supports Procurement [A/1]	10MAR06	10MAR06	17JUL06	17JUL06	124		0.00	286,302.65							
<b>18 - Field Period Assembly</b>																
<b>Job: 1801-Field Period Assly -CHRZANOWSKI (ORNL)</b>																
<b>FY03 Actual Cost</b>																
1801-001	Apr-Sept MIE Costs PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	7,750.00	7,750.00							
1801-002	Apr-Sept MIE Costs ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	53,050.00	53,050.00							
<b>Job: 1802 - FP Assy Oversight&amp;Support-VIOLA</b>																
<b>Oversight and Supervision</b>																
181.100	PPPL EM LOE FY04	13OCT03A	13OCT03A	30SEP04	30SEP04	1,259	LOE	57,369.36	77,947.50							
181.200	HP Coverage in the TFTR TC LOE FY04	02FEB04*	02FEB04A	30SEP04	30SEP04	1,259	LOE	72,190.32	115,320.00							
181.201	D-Site Shift Supervisor LOE FY04	02FEB04*	01JUL04*	30SEP04	30SEP04	1,259		0.00	25,920.40							
181.110	PPPL EM LOE FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010		0.00	146,784.00							
181.210	HP Coverage in the TFTR TC LOE FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010		0.00	128,440.00							
181.310	ORNL EM LOE FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010		0.00	119,316.89							
181.120	PPPL EM LOE FY06	03OCT05*	03OCT05*	02OCT06	02OCT06	760		0.00	451,299.93							
181.220	HP Coverage in the TFTR TC LOE FY06	03OCT05*	03OCT05*	02OCT06	02OCT06	760		0.00	130,690.04							
181.320	ORNL EM LOE FY06	03OCT05*	03OCT05*	02OCT06	02OCT06	760		0.00	122,771.80							

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ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
<b>Job: 1803- FP Assy Tooling/Constructability-COLE</b>															
<b>Tooling Design &amp; Fabrication</b>															
713A.010	>>>> Design Tooling ECP 9	01OCT04*	01OCT04*	30SEP05	28SEP05	1,012	LOE	0.00	354,716.75						
713A.010A	FP Assy Tooling Rqmnts&Constructability Peer Rvw			30MAR04*	31MAR04A			0.00	0.00						
713.010B	Tooling & Constructability FDR			04JAN05*	04JAN05*	209		0.00	0.00						
713A.032	Fabricate-TF Coil sub-assy frame/manipulator	18MAR05*	18MAR05*	22DEC05	22DEC05	210		0.00	10,366.40						
713A.030	Fabricate-VV supporting fixture (3)	20APR05*	20APR05*	01FEB06	01FEB06	134		0.00	97,300.00						
713A.031	Fabricate-Modular Coil sub-assy frame/manip/fixt	17JUN05*	17JUN05*	30MAR06	30MAR06	121		0.00	209,310.73						
713A.033	Fabricate-Full FP support fixture (3)	07JUL05*	07JUL05*	18APR06	18APR06	123		0.00	9,757.00						
713A.034	Fabricate-VV port welding fixtures	29JUL05*	29JUL05*	10MAY06	10MAY06	860		0.00	13,020.00						
713A.040	General procurements	01OCT04*	01OCT04*	29SEP06	29SEP06	761		0.00	25,970.00						
713A.050	Welding tools, materials & equip	01OCT04*	01OCT04*	29SEP06	29SEP06	761		0.00	58,432.50						
713A.020	Lab Fabi/Assy/Installation	25FEB05*	25FEB05*	02OCT06	02OCT06	760		0.00	349,167.95						
713A.060	Instl He gas piping from NSTX to D-site tc	03OCT05*	03OCT05*	08FEB06	08FEB06	925		0.00	0.00						
<b>Tooling R&amp;D</b>															
713A.011	>>>> Tooling R&D-Design VV/MCWF Mockups ECP 9	01DEC03A	01JUL04	05APR04		0	10	0.00	0.00						
713A.012	>>>> Tooling R&D-Procure VV & MCWF Mockups ECP 9	06APR04	01JUL04	01SEP04		0		0.00	0.00						
713A.013	>>>Tooling R&D-Inspect & assy trails ecp 9 repro	08AUG05*	08AUG05*	07NOV05	07NOV05	984		0.00	47,820.00						
<b>Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS</b>															
<b>Metrology</b>															
740.010	Final Design Measurement systems	19JAN04A	19JAN04A	30SEP04	30SEP04	1,259	LOE	44,846.87	69,422.40						
740.011	3-D Scanner/Faro Arm FDR			30JAN04A	30JAN04A			0.00	0.00						
740.015	Prepare Requisition 3-D scanner & Romer Arm	30JAN04A	30JAN04A	30JAN04A	30JAN04A			0.00	0.00						
740.030	Deliver 3-D Scanner & Romer Arm	30MAR04*	01APR04A	30MAR04	30APR04A		100	171,990.00	171,990.00						
740.030A	Romer Arm Training		06JUL04*		08JUL04	1,318		0.00	0.00						
740.031	Metrology Software Review			30JAN04A	30JAN04A			0.00	0.00						
740.032	Prepare Met Software Requisition	30JAN04A	30JAN04A	30JAN04A	30JAN04A			0.00	0.00						
740.035	Deliver Metrology Software	31MAR04*	01OCT04*	14JUN04	16DEC04	1,206		0.00	58,075.40						
740.041	FP Assy Laser based GPS Sys Review			02AUG04*	02AUG04*	1,228		0.00	0.00						
740.042	Prepare GPS Sys Requisition	03AUG04	03AUG04	16AUG04	16AUG04	1,228		0.00	0.00						
740.043	Bid,Evaluate & Award GPS sys	17AUG04	17AUG04	01OCT04	01OCT04	1,228		0.00	0.00						
740.044	Deliver GPS sys	04OCT04	04OCT04	12NOV04	12NOV04	1,228		0.00	129,200.00						
740.020	Faculty Prep	03OCT05*	03OCT05*	22FEB06	22FEB06	162		0.00	60,384.40						
740.045	Purchase- second Faro Arm (was under WBS 14)	01OCT04*	01OCT04*	04MAR05	04MAR05	1,157		0.00	71,060.00						
740.050	Purchase- targets [A/9]	01JUL05*	01JUL05*	12JAN06	12JAN06	944		0.00	32,300.00						

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**STATUS THROUGH  
JULY 1, 2004  
ECP 9**

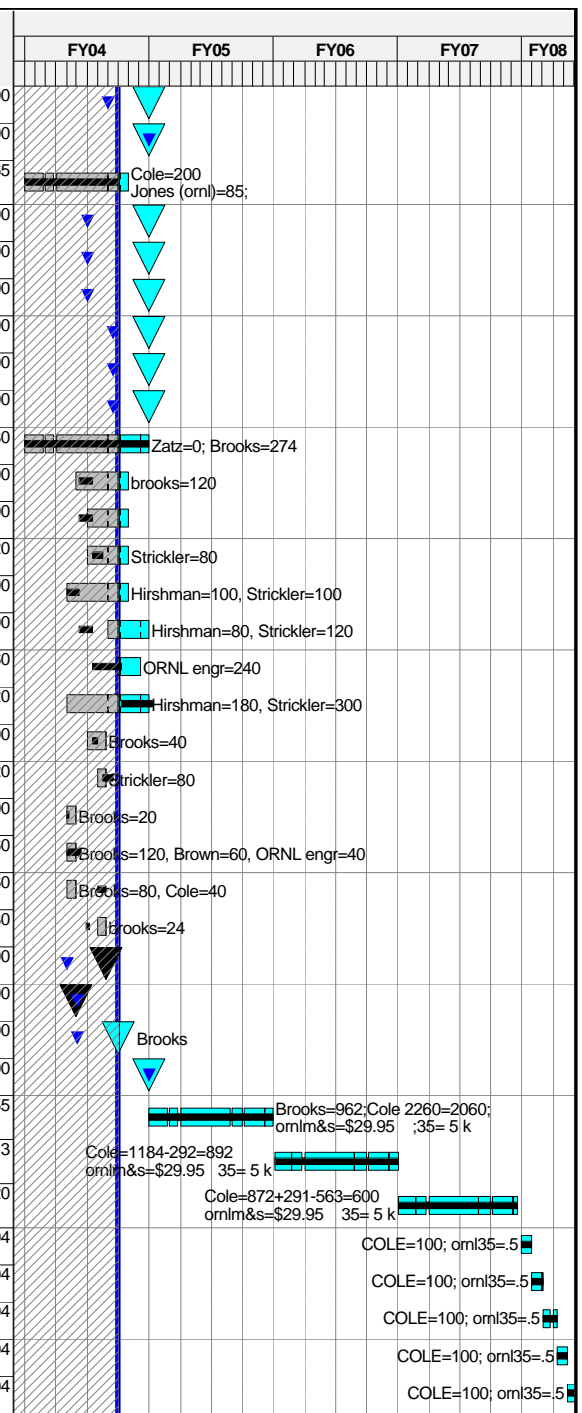
Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmplt	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year					
										FY04	FY05	FY06	FY07	FY08	
<b>1808 - TF/Mod Coil Sub-Assembly-CHRZANOWSKI</b>															
<b>Modular Coil Sub-assembly</b>															
184-200	Mount/align right mod coil in fixture-Period #1	31MAR06	19MAY06	20APR06	09JUN06	86		0.00	47,404.80						
184-205	Mount/align left mod coil in fixture-Period #1	25APR06	16JUN06	10MAY06	03JUL06	80		0.00	38,980.80						
184-210	Mount/align right mod coil in fixture-Period #2	22MAY06	14JUL06	07JUN06	31JUL06	88		0.00	38,980.80						
184-215	Mount/align left mod coil in fixture-Period #2	16JUN06	09AUG06	03JUL06	24AUG06	80		0.00	38,980.80						
184-220	Mount/align right mod coil in fixture-Period #3	14JUL06	06SEP06	31JUL06	21SEP06	88		0.00	38,980.80						
184-225	Mount/align left mod coil in fixture-Period #3	09AUG06	02OCT06	24AUG06	17OCT06	80		0.00	41,990.40						
P1-000	PDR # 19 MCWF fitup	21APR06	12JUN06	01SEP06	23OCT06	745		0.00	16,644.20						
<b>TF Coil Sub-assembly</b>															
722.010	Receive/Inspect TF & PF Coils	03OCT05*	03OCT05*	29SEP06	29SEP06	761		0.00	77,365.60						
184-100	Assemble 3 TF coils&structure -Right -Period #1	21FEB06	20FEB06	06MAR06	03MAR06	175		0.00	34,504.00						
184-105	Assemble 3 TF coils&structure -Left -Period #1	07MAR06	06MAR06	20MAR06	17MAR06	175		0.00	34,504.00						
184-110	Assemble 3 TF coils&structure -Right -Period #2	21MAR06	20MAR06	03APR06	31MAR06	192		0.00	34,504.00						
184-115	Assemble 3 TF coils&structure -Left -Period #2	26APR06	26APR06	09MAY06	09MAY06	175		0.00	34,504.00						
184-120	Assemble 3 TF coils&structure -Right -Period #3	21JUL06	21JUL06	03AUG06	03AUG06	142		0.00	34,504.00						
184-125	Assemble 3 TF coils&structure -Left -Period #3	18SEP06	18SEP06	29SEP06	29SEP06	112		0.00	34,504.00						
<b>Job:1810 - Field Period Assembly-CHRZANOWSKI</b>															
<b>Period 1</b>															
721.010	Area preparations	03OCT05*	03OCT05*	15FEB06	15FEB06	124		0.00	92,942.40						
725.001	Assemble Field Period #1 (summary task)	28APR06	20JUN06	07SEP06	27OCT06	111		0.00	295,270.08						
P1-180	Rec'v VV,Attach clng tubes &Insul to 1st Period	06MAR06	06MAR06	27APR06	27APR06	112		0.00	95,908.80						
P1-180.9	Begin Assembly of First Field Period	28APR06	20JUN06			80		0.00	0.00						
P1-181	Assemble 1st. Field Period - coils/VV	28APR06	20JUN06	20JUN06	10AUG06	80		0.00	0.00						
P1-191	>>>> Position&weld port assemblies (Add'l ECP 8)	21JUN06	11AUG06	12JUL06	31AUG06	111		0.00	24,868.00						
P1-201	Bakeout vessel segment to 150 degrees C	13JUL06	01SEP06	20JUL06	11SEP06	111		0.00	0.00						
P1-211	vacuum leak check &Ext Trim coil instl	21JUL06	12SEP06	24AUG06	16OCT06	111		0.00	0.00						
P1-221	Prepare field period for shipment	25AUG06	17OCT06	31AUG06	23OCT06	111		0.00	0.00						
P1-231	Ship 1st. Field period	01SEP06	24OCT06	06SEP06	26OCT06	111		0.00	0.00						
P1-241	Field period 1 ready for installation	07SEP06	27OCT06	07SEP06	27OCT06	111		0.00	0.00						
<b>Period 2</b>															
725.101	Assemble Field Period #2 (summary task)	23JUN06	11AUG06	31OCT06	20DEC06	95		0.00	304,193.41						
P2-180	Rec'v VV,Attach clng tubes &Insul to 2nd Period	28APR06	28APR06	22JUN06	22JUN06	112		0.00	95,908.80						
P2-181	Assemble 2nd. Field Period- coils/ VV	23JUN06	11AUG06	15AUG06	03OCT06	80		0.00	0.00						
P2-191	>>> Position&weld port assemblies (Add'l ECP 8)	16AUG06	04OCT06	06SEP06	24OCT06	95		0.00	26,788.00						
P2-201	Bakeout vessel segment to 150 degrees C	07SEP06	25OCT06	14SEP06	01NOV06	95		0.00	0.00						
P2-211	vacuum leak check &Ext Trim coil instl	15SEP06	02NOV06	19OCT06	08DEC06	95		0.00	0.00						



Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl't	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year						
										FY04	FY05	FY06	FY07	FY08		
P2-221	Prepare field period for shipment	20OCT06	11DEC06	26OCT06	15DEC06	95		0.00	0.00							
P2-231	Ship 2nd. Field period	27OCT06	18DEC06	31OCT06	20DEC06	95		0.00	0.00							
P2-241	Field Period 2 ready for installation	01NOV06	21DEC06	01NOV06	21DEC06	95		0.00	0.00							
<b>Period 3</b>																
725.201	Assemble Field Period #3 (summary task)	18AUG06	04OCT06	03JAN07	16FEB07	80		0.00	312,816.80							
P3-180	Rec'v VV, Attach cing tubes & Insul to 3rd Period	23JUN06*	23JUN06*	17AUG06	17AUG06	112		0.00	95,908.80							
P3-181	Assemble 3rd. Field Period - coils/ VV	18AUG06	04OCT06	10OCT06	27NOV06	80		0.00	0.00							
P3-191	>>> Position&weld port assemblies (Add'l ECP 8)	11OCT06	28NOV06	31OCT06	18DEC06	80		0.00	26,788.00							
P3-201	Bakeout vessel segment to 150 degrees C	01NOV06	19DEC06	07NOV06	02JAN07	80		0.00	0.00							
P3-211	vacuum leak check & Ext Trim coil instl	08NOV06	03JAN07	14DEC06	06FEB07	80		0.00	0.00							
P3-221	Prepare field period for shipment	15DEC06	07FEB07	21DEC06	13FEB07	80		0.00	0.00							
P3-231	Ship 3rd. Field Period	22DEC06	14FEB07	03JAN07	16FEB07	80		0.00	0.00							
P3-241	3rd. Period ready for installation	04JAN07	19FEB07	04JAN07	19FEB07	80		0.00	0.00							
P3-241.1	Last Field Period Assembled			04JAN07	19FEB07	80		0.00	0.00							
P1-180A	cd-4 350c increment	06MAR06	06MAR06	07AUG06	07AUG06	799		0.00	38,544.00							
<b>19 - Stellarator Core Management and Integration</b>																
<b>Job: 1901 - Stellarator Core Mngtt&amp;Integr-NELSON</b>																
<b>FY03 Actual Cost</b>																
1901-002	Apr-Sept MIE Costs ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	187,090.00	187,090.00							
1901-003	Apr-Sept MIE Costs PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	67,070.00	67,070.00							
<b>191 - Stellarator Core Management &amp; Oversight</b>																
191-4	LOE-FY04 WBS 191-4 Management Activities	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	108,400.69	145,699.85							
0191-5	LOE-FY05 WBS 191	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010	LOE	0.00	197,596.67							
0191-6	LOE-FY06 WBS 191	03OCT05*	03OCT05*	02OCT06	02OCT06	526	LOE	0.00	190,877.89							
0191-6X	LOE-FY07 WBS 191	03OCT06*	03OCT06*	10SEP07	10SEP07	526	LOE	0.00	199,716.12							
0191-91	LOE-FY06 WBS 191 1 mo SO	01OCT07*	01OCT07*	30OCT07	30OCT07	346	LOE	0.00	20,250.00							
0191-92	LOE-FY06 WBS 191 1 mo SO	31OCT07*	31OCT07*	28NOV07	28NOV07	346	LOE	0.00	20,250.00							
0191-93	LOE-FY06 WBS 191 1 mo SO	03DEC07*	03DEC07*	21DEC07	21DEC07	346	LOE	0.00	20,250.00							
0191-94	LOE-FY06 WBS 191 1 mo SO	01JAN08*	01JAN08*	30JAN08	30JAN08	346	LOE	0.00	20,250.00							
0191-95	LOE-FY06 WBS 191 1 mo SO	31JAN08*	31JAN08*	29FEB08	29FEB08	346	LOE	0.00	20,250.00							
0191-96	LOE-FY06 WBS 191 1 mo SO	03MAR08*	03MAR08*	01APR08	01APR08	346	LOE	0.00	20,250.00							
0191-97	LOE-FY06 WBS 191 1 mo SO	02APR08*	02APR08*	30APR08	30APR08	346	LOE	0.00	20,250.00							
0191-98	LOE-FY06 WBS 191 1 mo SO	01MAY08*	01MAY08*	30MAY08	30MAY08	346	LOE	0.00	20,250.00							
<b>192 - Stellarator Core Integration &amp; Analysis</b>																
192-4	LOE-FY05 WBS 192-4 Design Integration Activities	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	176,594.43	237,358.09							
192-4.1	Self consistent models/dwgs f/ Mod Coil & VV FDR			14APR04*	30JUN04*	1,323	100	0.00	0.00							

Legend:  
 current schedule  
 xECP9 Baseline  
 Progress Bar  
 Critical Activity

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year					
										FY04	FY05	FY06	FY07	FY08	
192-4.2	Self consistent models/dwgs Conv Coils&sprt strc			01JUN04*	30SEP04*	1,259		0.00	0.00						
192-4.4	Stellarator Core Assy dwgs & assy sequence			30SEP04*	30SEP04*	1,259		0.00	0.00						
192-5	LOE-FY05 WBS 192-5 VV & Coil Services Integr	01OCT03A	01OCT03A	30JUN04	30JUL04	1,302	LOE	32,972.31	36,676.65						
192-5.1	VV Helium Line Models			01APR04*	30SEP04*	1,259		0.00	0.00						
192-5.2	Mod Coil LN2 Lines Layouts			01APR04*	30SEP04*	1,259		0.00	0.00						
192-5.3	Mod Coil Leads Layouts			01APR04*	30SEP04*	1,259		0.00	0.00						
192-5.4	PF Coil Leads & Services Layouts			15JUN04*	30SEP04*	1,259		0.00	0.00						
192-5.5	TF Coil leads & Services Layouts			15JUN04*	30SEP04*	1,259		0.00	0.00						
192-5.6	External Trim Coil Leads /services Layouts			15JUN04*	30SEP04*	1,259		0.00	0.00						
192-6	LOE-FY05 WBS 192-6 Integrated Analysis	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	32,759.66	44,031.80						
192-6.01	Document coil tolerance and trim coil requiremen	08MAR04*	01MAR04A	19APR04	30JUL04	1,326	95	18,319.80	19,284.00						
192-6.011	Coil winding center determination Increase	08MAR04*	01APR04A	19APR04	30JUL04	160	50	0.00	0.00						
192-6.02	Check critical coil tolerance calculations.	20APR04	01APR04A	17MAY04	30JUL04	160	50	5,147.60	10,295.20						
192-6.03	Method for determining current center	02FEB04*	01FEB04A	08MAR04	30JUL04	155	75	19,303.50	25,738.00						
192-6.04	Calc impact omisalignments on mutual inductances	09MAR04	01JUN04A	19APR04	30SEP04	1,283	70	18,016.60	25,738.00						
192-6.05	Determine reqd process for assy tolerances	20APR04	01JUL04	12JUL04	03SEP04	135		0.00	30,885.60						
192-6.06	Coil positions to minimize islands.	13JUL04	02FEB04A	08OCT04	30SEP04	1,283	70	43,239.84	61,771.20						
192-6.07	Time constant calcs using SPARK	19APR04*	01APR04A	03MAY04	28MAY04A		100	6,428.00	6,428.00						
192-6.08	Indep check time constant calcs using EDDYCUFF	17MAY04*	01MAY04A	14JUN04	28MAY04A		100	10,295.20	10,295.20						
192-6.09	Revised VV geometry	02FEB04*	02FEB04A	09FEB04	27FEB04A		100	3,214.00	3,214.00						
192-6.10	MC interf during assy, geometry, assy trajecto	02FEB04*	02FEB04A	15MAR04	27FEB04A		100	34,073.60	34,073.60						
192-6.11	Range of motion reqts for Assy MC fixture.	03MAY04*	02FEB04A	28MAY04	27FEB04A		100	18,003.60	18,003.60						
192-6.12	Final Check & Verification	31MAR04*	01MAY04A	07APR04	28MAY04A		100	3,856.80	3,856.80						
192-6.5	Structural Design criteria			02FEB04*	28MAY04A		100	0.00	0.00						
192-6.2	Final Mod Coil Trajectories			01MAR04*	27FEB04A			0.00	0.00						
192-6.6	Stellarator Core Materials Database			01MAR04*	30JUN04*	1,323		0.00	0.00						
192-6.3	Best fit for mod coil assy on winding measuremen			30SEP04*	30SEP04*	1,259		0.00	0.00						
0192-5	LOE-FY05 WBS 192	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010	LOE	0.00	514,578.55						
0192-6	LOE-FY06 WBS 192	03OCT05*	03OCT05*	02OCT06	02OCT06	518	LOE	0.00	165,946.13						
0192-6X	LOE-FY06 WBS 192	03OCT06*	03OCT06*	20SEP07	20SEP07	518	LOE	0.00	135,038.20						
0192-91	LOE-F1 mo SO	01OCT07*	01OCT07*	30OCT07	30OCT07	338	LOE	0.00	16,018.04						
0192-92	LOE-F1 mo SO	31OCT07*	31OCT07*	03DEC07	03DEC07	338	LOE	0.00	16,018.04						
0192-93	LOE-F1 mo SO	04DEC07*	04DEC07*	10JAN08	10JAN08	338	LOE	0.00	16,018.04						
0192-94	LOE-F1 mo SO	11JAN08*	11JAN08*	11FEB08	11FEB08	338	LOE	0.00	16,018.04						
0192-95	LOE-F1 mo SO	12FEB08*	12FEB08*	12MAR08	12MAR08	338	LOE	0.00	16,018.04						



Legend:  
█ current schedule  
█ xECP9 Baseline  
█ Progress Bar  
█ Critical Activity

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY				
										FY04	FY05	FY06	FY07	FY08
0192-96	LOE-F1 mo SO	13MAR08*	13MAR08*	11APR08	11APR08	338	LOE	0.00	16,018.04					
0192-97	LOE-F1 mo SO	14APR08*	14APR08*	12MAY08	12MAY08	338	LOE	0.00	16,018.04					
0192-98	LOE-F1 mo SO	13MAY08*	13MAY08*	11JUN08	11JUN08	338	LOE	0.00	16,018.04					

**21 - Fueling Systems**

21-10	Eng. Work Planning and Design	03OCT05*	03OCT05*	05JAN06	05JAN06	238		0.00	13,512.00					
21-15	Design Gas Handling Hardware	06JAN06	06JAN06	06APR06	06APR06	238		0.00	6,606.00					
21-20	Design PLC Controls	06JAN06*	06JAN06*	06APR06	06APR06	238		0.00	17,968.00					
21-25	Electrical Drafting for pumping system	06JAN06*	06JAN06*	06APR06	06APR06	238		0.00	13,200.00					
21-30	Drafting	06JAN06*	06JAN06*	06APR06	06APR06	238		0.00	8,800.00					
21-35	Eng. Work Planning and Design during fab	02OCT06*	02OCT06*	04JAN07	04JAN07	114		0.00	3,638.00					
21-40	Fabrication/Install Hardware	02OCT06*	02OCT06*	04JAN07	04JAN07	114		0.00	7,116.00					
21-45	Fabrication/installation	02OCT06*	02OCT06*	04JAN07	04JAN07	114		0.00	53,477.20					
21-55	Install PLC Controls	02OCT06*	02OCT06*	04JAN07	04JAN07	114		0.00	9,672.00					
21-60	Integrated Systems Testing/Eng	02OCT06*	02OCT06*	04JAN07	04JAN07	114		0.00	3,638.00					
21-65	Integrated Systems Testing/Tech Support	05JAN07*	05JAN07*	08MAR07	08MAR07	114		0.00	2,418.00					

Blanchard =80hr ;  
 EM//SM =60hr ;  
 EE//SM =160hr ;  
 EA//DM =120hr ;  
 EA//DM =80hr ;  
 Blanchard =20hr ;  
 EM//SM =60hr ;  
 EM//SM =150hr ; EM/TB =200hr ;  
 EE//SM =80hr ;  
 Blanchard =20hr ;  
 EE//SM =20hr ;

**22 - Torus Vacuum Pumping Systems**

**Job: 2001-VPS, Gas & Cond Sys Oversight-BLANCHARD**

**FY03 Actual Cost**

2001-001	Apr-May MIE Cost	01APR03A	01APR03A	30MAY03A	30MAY03A		100	35,300.00	35,300.00
2001-100	PDR Support	01JUN03A	01JUN03A	30SEP03A	30SEP03A		LOE	24,896.00	24,896.00

22-25	Eng. Work Planning and Design	03OCT05*	03OCT05*	05JAN06	05JAN06	138		0.00	25,698.00					
22-30	Design PLC based control system	06JAN06*	06JAN06*	06APR06	06APR06	203		0.00	35,936.00					
22-35	Electrical Drafting for pumping system	06JAN06*	06JAN06*	06APR06	06APR06	203		0.00	23,100.00					
22-40	Drafting	06JAN06*	06JAN06*	06APR06	06APR06	138		0.00	17,600.00					
22-45	Eng. Work Planning and Design during fab	07APR06*	07APR06*	10JUL06	10JUL06	138		0.00	15,201.00					
22-50	Perform maint. & repair of prmpg sys	07APR06*	07APR06*	10JUL06	10JUL06	138		0.00	8,808.00					
22-55	Repair and Calibration of vac instrumentation	11AUG06*	11AUG06*	03JAN07	03JAN07	115		0.00	9,243.20					
22-60	Fabrication/installation	11AUG06*	11AUG06*	03JAN07	03JAN07	115		0.00	114,721.68					
22-65	Fab PLC conrols	11AUG06*	11AUG06*	03JAN07	03JAN07	115		0.00	61,571.20					
22-70	Integrated Systems Testing/Eng	04JAN07*	04JAN07*	07MAR07	07MAR07	115		0.00	7,276.00					
22-75	Integrated Systems Testing/Tech Support	04JAN07*	04JAN07*	07MAR07	07MAR07	115		0.00	4,836.00					

Blanchard =100hr ; EM//SM =80hr ;  
 EE//SM =320hr ;  
 EA//DM =210hr ;  
 EA//DM =160hr ;  
 Blanchard =90hr ;  
 EM//SM =80hr ;  
 EM//SM =80hr ;  
 EM//SM =450hr ; EM/TB =380hr ;  
 EE//SM =160hr ; 41=32Sk ;  
 Blanchard =40hr ;  
 EE//SM =40hr ;

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**STATUS THROUGH  
 JULY 1, 2004  
 ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year					
										FY04	FY05	FY06	FY07	FY08	
<b>25 - Neutral Beam Injection System</b>															
<b>Job: 2501 - Neutral Beam Refurbishment-STEVENSON</b>															
<b>FY03 Actual Cost</b>															
2501-001	Apr-Sept MIE Cost	01APR03A	01APR03A	30SEP03A	30SEP03A		100	146,310.00	146,310.00						
<b>FY04 Work Plan</b>															
2501-015	Design & Work Planning	03NOV03A	03NOV03A	30SEP04	30SEP04	1,259	85	4,611.42	5,425.20						
2501-020	Layout & Routing	02JAN04A	02JAN04A	30SEP04	30SEP04	1,259	80	6,186.24	7,732.80						
2501-025	Systems Interfaces	02JAN04A	02JAN04A	30SEP04	30SEP04	1,259	70	5,412.96	7,732.80						
2501-030	Power System Local testing	01JAN04A	01JAN04A	28MAY04	30APR04A		100	15,805.45	15,805.45						
2501-035	Controls Development	02JAN04A	02JAN04A	30JUN04	30JUL04	1,302	50	38,575.20	64,292.00						
2501-036	Dummy load testing		01JUL04*		30SEP04	1,259	50	0.00	0.00						
<b>Refurbishment</b>															
25-100	6) Drafting Support	01OCT04*	01MAR04A	25JUN07	25JUN07	588	25	26,726.33	106,905.30						
25-105	7) Refurbish sources	03OCT05*	01APR04A	26JUN07	26JUN07	587	10	387.33	3,873.27						
25-110	8) Fabricate and install new filaments	03OCT05*	03OCT05*	21JUN07	21JUN07	590		0.00	6,625.84						
25-115	9) Refurbish calorimeters as needed	03OCT05*	01JUN04A	26JUN07	26JUN07	587	10	1,815.10	18,150.93						
25-130	12) Dsn,Fan,Instl NBI vacuum system	13OCT05*	13OCT05*	03JUL07	03JUL07	582		0.00	73,736.99						
25-145	15)Upgrade/Calibr of telemetry, ptical links etc	01OCT04*	01JUN04A	29SEP06	29SEP06	774	10	6,374.08	63,740.80						
25-155	17) Fab/Instl Front Box Nitrogen Cryopanel.	03OCT05*	01JUN04A	23JUL07	23JUL07	568	2	1,904.22	95,210.97						
25-175	21) Sys Engr & Work Planning Procedures	01OCT04*	01MAY04A	29JUN07	29JUN07	584	10	7,044.53	70,445.26						
<b>Re-Install Beamline</b>															
25-180	31)Work Planning Procedures	03JUN05*	03JUN05*	18JUN07	18JUN07	593		0.00	64,528.62						
25-185	32) EAD analysis of platform support capability	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	3,638.00						
25-190	33) Fabr BL alignment measur fixture,	02OCT06*	01JUN04A	28FEB07	28FEB07	670	5	1,340.67	26,813.64						
25-195	34) Fabr new bellows/electrical break	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	16,592.00						
25-200	35) Perform alignment measurements	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	829.60						
25-205	36) Prepare platform for base plate	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	1,659.20						
25-210	37) Relocate base plate to NCSX location	02OCT06*	02OCT06*	28FEB07	28FEB07	670		0.00	6,636.80						
25-215	38) Lift NB from Refurb location to NCSX locatio	04OCT06*	04OCT06*	02MAR07	02MAR07	668		0.00	25,717.60						
25-220	39) Enclose platform around base plate	29SEP06*	29SEP06*	28JUN07	28JUN07	585		0.00	3,317.16						
<b>Re-Install Cables</b>															
25-225	Cabling-Design & WP Procedures	04SEP06*	01APR04A	31AUG07	31AUG07	539	20	5,455.95	27,279.74						
25-230	Cabling-Fabr and Install new Junction Box	02OCT06*	02OCT06*	29JUN07	29JUN07	584		0.00	16,592.00						
25-235	Cabling-Hi-potting cable run and fixing problems	02OCT06*	02OCT06*	29JUN07	29JUN07	584		0.00	8,296.00						
25-240	Cabling-Install Cable Trays	02OCT06*	02OCT06*	29JUN07	29JUN07	584		0.00	33,184.00						

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**STATUS THROUGH  
JULY 1, 2004  
ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
25-245	Cabling-Pull cables Arc Room to PVC Junction Box	02OCT06*	02OCT06*	29JUN07	29JUN07	584		0.00	74,480.00			41=06\$ EM/TB =320hr ;			
25-250	Cabling- M&S f/ trays, fixtures, materials	02OCT06*	02OCT06*	29JUN07	29JUN07	584		0.00	35,152.00					41=26\$	
<b>Beamline Connections</b>															
25-255	Install weld cables Juncton Box to Ion Source.	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	9,107.20			41=01\$ EE//SM =40hr ; EM/TB =40hr ;			
25-260	Connect bBL to foreline and exhaust manifold.	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	4,129.60			41=01\$ EE//SM =16hr ; EM/TB =16hr ;			
25-265	New PLC. Test system after installation.	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	3,318.40			EE//SM =16hr ; EM/TB =16hr ;			
25-270	Connect BL to new manifold & test	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	3,318.40			EE//SM =16hr ; EM/TB =16hr ;			
25-275	Connect beamline to new manifold & test.	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	3,318.40			EE//SM =16hr ; EM/TB =16hr ;			
25-280	Connect beamline to new manifold and test	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	1,659.20			EE//SM =08hr ; EM/TB =08hr ;			
25-285	Install Water System	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	27,727.20			41=02\$ EE//SM =120hr ; EM/TB =120hr ;			
25-290	Fab & Install Water Cooled Aperture	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	19,609.60			41=05\$ EE//SM =60hr ; EM/TB =60hr ;			
25-295	New PLC for water sys & test	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	1,659.20			EE//SM =08hr ; EM/TB =08hr ;			
25-300	Diag Sys-Fab/install new cables	02OCT06*	02OCT06*	01JUN07	01JUN07	604		0.00	1,659.20			EE//SM =08hr ; EM/TB =08hr ;			
25-310	Drafting Labor Support	03APR06*	03APR06*	01JUN07	01JUN07	604		0.00	55,127.52			EA/DM =480hr ;			
<b>31 - Magnetic Diagnostics</b>															
310-010	Design Mag Diagnostics	03OCT05*	03OCT05*	21FEB06	21FEB06	129		0.00	44,460.00					R//RM2 =108hr ; EE//EM =176hr ;	
310-015	Fabricate & Install Magnetics on Vessel	17MAR06	17MAR06	17AUG06	17AUG06	112		0.00	140,205.50			EE//EM =215hr ; EE//SM =725hr ; 41=19\$			
310-020	Design other ex-vessel sensors	25JUL05*	25JUL05*	21NOV05	21NOV05	116		0.00	154,537.34					R//RM2 =20hr ; EE//EM =580hr ; EA/DM =560hr ;	
310-025	Fab & Install other ex-vessel sensors on coils	22NOV05	23JAN06	27APR06	19JUN06	80		0.00	78,406.05			EE//EM =72hr ; EM//SM =472hr ; 41=12\$			
310-030	Design & FabMagnetic integrators	22NOV05*	22NOV05*	12APR06	12APR06	127		0.00	36,491.65			41=11\$ EE//EM =40hr ; EE//SM =127hr ; EE//TB =24hr ;			
<b>36 - Edge and Divertor Diagnostics</b>															
361-001	Design Visible Camera sys	03OCT05*	03OCT05*	12APR06	12APR06	208		0.00	11,096.00					R//RM2 =28hr ; EM//EM =40hr ;	
361-015	Fab/Assy/Installation Visible Camera	28AUG06*	26SEP06*	08MAR07	05APR07	93		0.00	88,844.40			R//RM2 =98hr ; EM//EM =20hr ; EM//SM =96hr ; 41=43\$			
<b>38 - Electron Beam (EB) Mapping</b>															
380-010	Designe-Beam Probe,Fluor. Screen	03OCT05*	03OCT05*	13FEB06	13FEB06	278		0.00	42,118.00					R//RM2 =70hr ; EM//EM =120hr ; EA/DM =100hr ;	
380-015	Fab & Install Beam probe	06OCT06	03NOV06	08MAR07	05APR07	93		0.00	249,952.00			R//RM2 =160hr ; EE//EM =60hr ; EM//EM =160hr ; EE//SM =80hr ; EM//SM =170hr ; 41=114\$			

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**STATUS THROUGH  
JULY 1, 2004  
ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year					
										FY04	FY05	FY06	FY07	FY08	
<b>39 - Diagnostics Integration</b>															
<b>Job: 3901 - Diagnostics sys Integration-JOHNSON</b>															
<b>FY03 Actual Cost</b>															
390-001	LOE Support FY03	01APR03A	01APR03A	30SEP03A	30SEP03A		100	155,450.00	155,450.00						
390-100	Finalize VV ports (number,size,locations)			30JAN04*	30JUN04*	1,323	90	0.00	0.00						
390-110	Resolve port interferences.Final port config			30JAN04*	30JUN04*	1,323		0.00	0.00						
390-120	Update port map&revise diag port assignments			01MAR04*	30JUN04*	1,323	30	0.00	0.00						
390-130	Rvw status of existing ICD's w/VV & Mod Coils			30JAN04*	30JUN04*	1,323	100	0.00	0.00						
390-140	Write ICD's-Define external space for diagnostic			01MAR04*	30JUN04*	1,323		0.00	0.00						
390-150	Write ICD's-Define space f/racks in cntrl rm			01MAR04*	30JUN04*	1,323		0.00	0.00						
390-160	Start recruiting diag team at HTPD conference			30APR04*	30JUN04*	1,323		0.00	0.00						
390-170	Develop space envelopes for SXR			30JAN04*	30JUN04*	1,323		0.00	0.00						
390-180	Hold CDR's co-wound mag sensors&ext saddle loops			30SEP04*	30SEP04*	1,259		0.00	0.00						
390-010	LOE Support FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	58,049.48	78,023.50						
<b>FY04 Actual Cost</b>															
390-015	LOE Support FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010		0.00	183,996.90						
390-020	LOE Support FY06	03OCT05*	03OCT05*	29SEP06	29SEP06	761		0.00	187,148.40						
390-025	LOE Support FY07	02OCT06*	02OCT06*	30MAR07	30MAR07	469		0.00	99,039.11						
390-901	LOE Support FY07 1mo SO	02APR07	02APR07	01MAY07	01MAY07	469		0.00	17,760.40						
390-902	LOE Support FY07 1mo SO	02MAY07	02MAY07	01JUN07	01JUN07	469		0.00	17,760.40						
390-903	LOE Support FY07 1mo SO	04JUN07	04JUN07	02JUL07	02JUL07	469		0.00	17,760.40						
390-904	LOE Support FY07 1mo SO	03JUL07	03JUL07	01AUG07	01AUG07	469		0.00	17,760.40						
390-905	LOE Support FY07 1mo SO	02AUG07	02AUG07	30AUG07	30AUG07	469		0.00	17,760.40						
390-906	LOE Support FY07 1mo SO	31AUG07	31AUG07	01OCT07	01OCT07	469		0.00	17,793.33						
390-907	LOE Support FY07 1mo SO	02OCT07	02OCT07	30OCT07	30OCT07	469		0.00	18,451.90						
390-908	LOE Support FY07 1mo SO	31OCT07	31OCT07	28NOV07	28NOV07	469		0.00	18,451.90						
<b>41 - AC Power</b>															
<b>Job: 4101 - AC Power-RAMAKRISHNAN</b>															
<b>411 - Auxiliary AC Power Systems</b>															
4101-100	Prepare Preliminary One line diagram	02FEB04*	01MAR04A	30SEP04	30SEP04	1,259	80	7,552.64	9,440.80						
411-1-2	fEx-Test Cell AC Power Dist-Dsn	01OCT04*	01OCT04*	18FEB05	18FEB05	385		0.00	19,761.90						
411-1-4	Ex-Test Cell AC Power Dist-Procure	07OCT05*	07OCT05*	06JUL06	06JUL06	279		0.00	11,745.00						

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**STATUS THROUGH**  
**JULY 1, 2004**  
**ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY						
										FY04	FY05	FY06	FY07	FY08		
411-1-6	Ex-Test Cell AC Power Dist-Install	03OCT05*	03OCT05*	18SEP06	18SEP06	228		0.00	51,769.40						EE//EM =120hr ; EE//TB =208hr ;	
411-1-8	Ex-Test Cell AC Power Dist-Commission	02OCT06*	02OCT06*	28FEB07	28FEB07	119		0.00	46,568.00						EE//EM =80hr ; EE//SM =80hr ; EE//TB =160hr ;	
411-2-2	Grounding-Dsn	01OCT04*	01OCT04*	19AUG05	19AUG05	225		0.00	29,688.00						VANKIRK =160hr ; Raki =80hr ;	
411-2-4	Grounding-Procure	03OCT05*	03OCT05*	10MAR06	10MAR06	261		0.00	6,525.00						41=05\$K ;	
411-2-6	Grounding-Install	13OCT05*	13OCT05*	22JUN06	22JUN06	188		0.00	55,912.00						EE//EM =80hr ; EE//SM =80hr ; EE//TB =320hr ;	
411-2-8	Grounding-Commission	02OCT06*	02OCT06*	28FEB07	28FEB07	119		0.00	18,448.00						EE//EM =40hr ; EE//SM =40hr ; EE//TB =80hr ;	
411-3-2	Test Cell AC Power Distr-Dsn	01OCT04*	01APR04A	19AUG05	30AUG04	739	95	62,882.40	66,192.00						VANKIRK =160hr ; Raki =160hr ;	
411-3-4	Test Cell AC Power Distr-Procure(pnls & xfmrs)	29SEP05*	01JUN04A	08MAY06	30SEP04	717	40	27,187.16	67,967.90						41=53\$K ;	
411-3-6	Test Cell AC Power Distr-Install	09MAY06*	01JUN04A	08MAR07	30SEP04	717	30	17,095.20	56,984.00						EE//EM =80hr ; EE//SM =80hr ; EE//TB =480hr ; POWERS	
411-3-8	Test Cell AC Power Distr-Commission	11SEP06*	21AUG06*	08MAR07	16FEB07	127		0.00	30,926.44						EE//EM =48hr ; EE//SM =80hr ; EE//TB =160hr ;	
411-4-2	Standby Power for Cryo Sys -Dsn	01MAR06*	01MAR06*	31MAY06	31MAY06	295		0.00	15,100.00						EA/DM =80hr ; EE//EM =40hr ;	
411-4-4	Standby Power for Cryo Sys -Procure	02OCT06*	02OCT06*	11APR07	11APR07	210		0.00	21,632.00						41=16\$K ;	
411-4-6	Standby Power for Cryo Sys -Install	12APR07	12APR07	13JUL07	13JUL07	210		0.00	51,968.00						EE//EM =80hr ; EE//SM =120hr ; EE//TB =280hr ;	
<b>412 - Experimental AC Power Systems</b>																
412-1-2	D-site Pulsed AC Power Distr-Dsn	01OCT04*	01OCT04*	06OCT05	06OCT05	189		0.00	10,522.84						VANKIRK =40hr ; Raki =40hr ;	
412-1-4	D-site Pulsed AC Power Distr-Procure	13OCT05*	13OCT05*	03JUL06	03JUL06	251		0.00	6,525.00						41=05\$K ;	
412-1-6	D-site Pulsed AC Power Distr-Install	07OCT05	07OCT05	29SEP06	29SEP06	189		0.00	16,043.20						EE//EM =16hr ; EE//TB =80hr ;	
412-1-8	D-site Pulsed AC Power Distr-Commission	03MAY06*	03MAY06*	23OCT06	23OCT06	173		0.00	9,741.47						EE//EM =24hr ; EE//SM =24hr ; EE//TB =40hr ;	
<b>42 - AC/DC Converters</b>																
<b>422 - D-Site AC/DC Converters</b>																
422-1-8	Transrex power supplies Reactivation	02OCT06*	02OCT06*	28FEB07	28FEB07	119		0.00	23,534.00						EE//EM =40hr ; EE//SM =40hr ; EE//TB =100hr ; 41=\$2.5 k	
<b>43 - DC Systems</b>																
<b>Job: 4301 - DC Systems-RAMAKRISHNAN</b>																
<b>FY03 Actual Cost</b>																
4301-001	Apr-Sept MIE Cost	01APR03A	01APR03A	30SEP03A	30SEP03A		100	2,390.00	2,390.00							
<b>431 - C-Site DC Systems</b>																
4301-100	Prei Design link box & physical details,location	03MAY04*	01JUL04*	30JUL04	29SEP04	1,260		0.00	75,124.40						vankirk=240; raki=160 ee//sm=96; ee//tb=120; 41=\$5	
4301-104	clear EF/OH bldg of stored hardware	02FEB04	01JUL04	13FEB04	15JUL04	1,313		0.00	0.00							
431-1-2	Coil DC Cabling to link box (PCTB)-Dsn	13OCT05*	13OCT05*	25MAY06	25MAY06	659		0.00	38,740.00						EA/DM =272hr ; EE//EM =	
431-1-4	Coil DC Cabling to link box(PCTB)-Procure	01SEP06*	01SEP06*	07JUN07	07JUN07	591		0.00	52,804.46						41=39\$K ;	
431-1-6	Coil DC Cabling to (PCTB)-Install	08JAN07*	08JAN07*	07JUN07	07JUN07	591		0.00	9,689.60						EE//EM =40hr ; EE//SM =24hr ;	
431-2-2	DC Cabling to Coils in TC-Dsn	13OCT05*	13OCT05*	19MAY06	19MAY06	181		0.00	60,140.00						EA/DM =352hr ; EE//EM =	
431-2-4	DC Cabling to Coils in TC-Procure	01JUN06*	01JUN06*	07MAR07	07MAR07	174		0.00	60,160.01						41=45\$K ;	

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**STATUS THROUGH  
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ECP 9**





Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year					
										FY04	FY05	FY06	FY07	FY08	
<b>Job: 4350 - Hybrid Power System Concept</b>															
<b>451 - System Design &amp; Interfaces</b>															
4350-10	Conceptual Design Review Hybrid Power Concept				16AUG04*	1,291		0.00	0.00						
<b>44 - Control and protection Systems</b>															
<b>Job: 4401 - Control &amp; Protection-RAMAKRISHNAN</b>															
<b>441 - Electrical Interlocks</b>															
441-1-2	C-site-Dsn	01OCT04*	01OCT04*	23FEB06	23FEB06	114		0.00	120,616.10						
441-1-4	C-site-Procure	30SEP05*	30SEP05*	08MAY06	08MAY06	300		0.00	26,046.06						
441-1-6	C-site-Install	24FEB06*	24FEB06*	07FEB07	07FEB07	114		0.00	161,027.72	EE//EM =264hr ; EE//SM =320hr ; EE//TB =1,000hr ;					
441-2-2	D-site-Dsn	01OCT04*	01OCT04*	23FEB06	23FEB06	120		0.00	65,417.43						
441-2-4	D-site-Procure	03OCT05*	03OCT05*	11JUL06	11JUL06	176		0.00	18,217.80						
441-2-6	D-site-Install	24FEB06*	24FEB06*	27NOV06	27NOV06	120		0.00	77,399.95	EE//EM =120hr ; EE//SM =200hr ; EE//TB =40hr ;					
441-2-8	D-site-Commission	31JUL06*	31JUL06*	30JAN07	30JAN07	120		0.00	35,951.61	EE//EM =80hr ; EE//SM =80hr ; EE//TB =160hr ;					
441-3-2	D-to-C-site-Dsn	03OCT05*	03OCT05*	01FEB06	01FEB06	128		0.00	25,800.00						
441-3-4	D-to-C-site-Procure	07OCT05*	07OCT05*	07JUL06	07JUL06	178		0.00	6,525.00						
441-3-6	D-to-C-site-Install	02FEB06*	02FEB06*	13NOV06	13NOV06	128		0.00	23,744.24	EE//EM =40hr ; EE//SM =40hr ; EE//TB =160hr ;					
441-3-8	D-to-C-site-Commission	19JUL06*	19JUL06*	18JAN07	18JAN07	128		0.00	17,889.95	EE//EM =40hr ; EE//SM =40hr ; EE//TB =80hr ;					
<b>442 - Kirk Key Interlocks</b>															
442-1-2	Kirk Keys-Dsn	03OCT05*	03OCT05*	30NOV05	30NOV05	289		0.00	32,100.00						
442-1-4	Kirk Keys-Procure	24OCT05*	24OCT05*	21JUL06	21JUL06	130		0.00	13,050.00						
442-1-6	Kirk Keys-Install	24JUL06*	24JUL06*	26OCT06	26OCT06	130		0.00	31,103.17	EE//EM =24hr ; EE//SM =40hr ; EE//TB =280hr ;					
442-1-8	Kirk Keys-Commission	27SEP06*	27SEP06*	02JAN07	02JAN07	130		0.00	21,784.32	EE//EM =40hr ; EE//SM =40hr ; EE//TB =120hr ;					
<b>443 - Real Time Control Systems</b>															
443-1-2	Develop Control Algorithms-Dsn	21APR06*	21APR06*	09NOV06	09NOV06	130		0.00	38,397.97						
<b>444 - Instrument Systems</b>															
444-1-2	DC Current Transducers (DCCTs)-Dsn	13OCT05*	13OCT05*	14APR06	14APR06	126		0.00	15,100.00	EA//DM =80hr ; EE//EM =40hr ;					
444-1-4	DC Current Transducers (DCCTs)-Procure	05DEC05*	05DEC05*	01AUG06	01AUG06	191		0.00	46,980.00						
444-1-6	DC Current Transducers (DCCTs)-Install	17APR06*	17APR06*	01DEC06	01DEC06	126		0.00	35,115.07	EE//EM =32hr ; EE//SM =64hr ; EE//TB =280hr ;					
444-1-8	DC Current Transducers (DCCTs)-Commission	08JUN06*	08JUN06*	08JAN07	08JAN07	126		0.00	16,521.62	EE//EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;					
444-2-2	DC Potential Transducers (DCPTs)-Dsn	07OCT05*	07OCT05*	28FEB06	28FEB06	119		0.00	30,200.00						
444-2-4	DC Potential Transducers (DCPTs)-Procure	30SEP05*	30SEP05*	31JUL06	31JUL06	192		0.00	15,659.25						
444-2-6	DC Potential Transducers (DCPTs)-Install	01MAR06*	01MAR06*	12DEC06	12DEC06	119		0.00	33,603.00	EE//EM =40hr ; EE//SM =40hr ; EE//TB =280hr ;					
444-2-8	DC Potential Transducers (DCPTs)-Commission	21JUL06*	21JUL06*	17JAN07	17JAN07	119		0.00	16,697.40	EE//EM =24hr ; EE//SM =24hr ; EE//TB =120hr ;					
444-3-2	DC Shunts-Dsn	01OCT04*	01OCT04*	01APR05	01APR05	415		0.00	14,844.00						
444-3-4	DC Shunts-Procure	29SEP05*	29SEP05*	22AUG06	22AUG06	176		0.00	41,756.29						

current schedule  
 xECP9 Baseline  
 Progress Bar  
 Critical Activity

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY04					FY05					FY06					FY07					FY08					
										Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
444-3-6	DC Shunts-Install	20MAR06*	20MAR06*	20SEP06	20SEP06	176		0.00	34,403.20	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
444-3-8	DC Shunts-Commission	21SEP06*	21SEP06*	22DEC06	22DEC06	131		0.00	17,077.81	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
444-4-2	Signal Conditioning & Cabling-Dsn	23SEP05*	23SEP05*	20FEB06	20FEB06	195		0.00	52,846.67	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
444-4-4	Signal Conditioning & Cabling-Procure	13OCT05*	13OCT05*	17JUL06	17JUL06	135		0.00	11,745.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
444-4-6	Signal Conditioning & Cabling-Install	16MAY06*	16MAY06*	16NOV06	16NOV06	135		0.00	29,050.34	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
444-4-8	Signal Conditioning & Cabling-Commission	15SEP06*	15SEP06*	18DEC06	18DEC06	135		0.00	21,559.32	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
<b>445 - Coil Protection Systems</b>											Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart				
445-1-2	Ground Fault Protection-Dsn	01OCT04*	01OCT04*	29APR05	29APR05	282		0.00	21,040.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
445-1-4	Ground Fault Protection-Procure	24NOV04*	24NOV04*	26AUG05	26AUG05	199		0.00	3,876.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
445-1-6	Ground Fault Protection-Install	05OCT05*	05OCT05*	25AUG06	25AUG06	173		0.00	18,137.60	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
445-1-8	Ground Fault Protection-Commission	05OCT06*	05OCT06*	15JAN07	15JAN07	121		0.00	12,028.80	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
445-2-0	Overload Protection & Cabling-Prelim Dsn	01MAR04*	01MAR04A	01SEP04	01SEP04	1,279	10	8,928.72	89,287.20	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
445-2-1	Overload Protection & Cabling-Peer Review	02SEP04	02SEP04	01SEP04	01SEP04	1,279		0.00	0.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
445-2-2	Overload Protection & Cabling-FinalDsn	05OCT05*	05OCT05*	13JAN06	13JAN06	120		0.00	37,740.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
445-2-4	Overload Protection & Cabling-Procure	30SEP05*	30SEP05*	19APR06	19APR06	173		0.00	36,537.32	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
445-2-6	Overload Protection & Cabling-Install	16JAN06*	16JAN06*	05OCT06	05OCT06	120		0.00	40,522.14	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
445-2-8	Overload Protection & Cabling-Commission	09OCT06	09OCT06	17JAN07	17JAN07	119		0.00	24,268.80	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
<b>446 - Ground Fault Monitoring System</b>											Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart				
446-1-2	GFMS-Dsn	03OCT05*	03OCT05*	07JUL06	07JUL06	208		0.00	34,652.50	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
446-1-4	GFMS-Procure/Fab/Install	02OCT06*	02OCT06*	11APR07	11APR07	149		0.00	132,370.40	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
<b>45 - Power System Design and Integration</b>											Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart				
<b>Job: 4501 - Power Sys Dsn &amp; Integr-RAMAKRISHNAN</b>											Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart				
<b>FY03 Actual Cost</b>											Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart				
4501-001	Apr-Sept MIE Cost	01APR03A	01APR03A	30SEP03A	30SEP03A		100	112,340.00	112,340.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
<b>451 - System Design &amp; Interfaces</b>											Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart				
4501-100	Design Drawings	02FEB04*	02FEB04A	30SEP04	30SEP04	1,259	25	17,458.00	69,832.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
4501-110	Calculations-Dsn	02FEB04*	01MAR04A	31MAR04	30SEP04	1,259	5	644.88	12,897.60	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
451-0-1	C-Site Decision	02FEB04	30APR04A	30JAN04*	30APR04A		100	0.00	0.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
451-0-2	Develop SRD	02FEB04*	01JUL04*	01MAR04	30JUL04	1,302		0.00	0.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
451-1-2	Calculations-Dsn	01OCT04*	01OCT04*	29SEP06	29SEP06	761		0.00	37,488.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
451-2-2	PDR Power system -Dsn	01APR04*	01JUL04*	30APR04	29JUL04	524		0.00	10,236.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
451-2-2.1	FDR Power system -Dsn	01OCT04*	01OCT04*	12JAN05	12JAN05	1,194		0.00	10,520.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
451-2-20	PDR Electr Power system			30APR04	29JUL04	535		0.00	0.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
451-3-2	Drawings,changes,asbuilts -Elect Dsn Integration	01OCT04*	01OCT04*	11OCT07	11OCT07	503		0.00	275,076.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					
451-4-2	FDR AC auxiliaries & grounding-Dsn	03OCT05*	03OCT05*	06DEC05	06DEC05	965		0.00	10,700.00	Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					Gantt Chart					

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**STATUS THROUGH  
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ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
451-6-2	FDR C-Site -Dsn	01OCT04*	01OCT04*	06DEC04	06DEC04	1,214		0.00	21,040.00						
451-7-2	FDR DC transmission-Dsn	03MAY04*	01MAY04A	28MAY04	28MAY04A		100	10,236.00	10,236.00						
451-7-20	FDR DC transmission			28MAY04	28MAY04A		100	0.00	0.00						
451-8-2	FDR D-Site -Dsn	01OCT04*	01OCT04*	06DEC04	06DEC04	1,214		0.00	21,040.00						
<b>452 - Electrical Systems Support</b>															
452-1-2	Diagnostics AC Power Distr-Dsn	11AUG05*	11AUG05*	20JAN06	20JAN06	139		0.00	16,505.06						
452-1-4	Diagnostics AC Power Distr-Procure	05OCT05*	05OCT05*	02OCT06	02OCT06	178		0.00	1,305.19						
452-1-6	Diagnostics AC Power Distr-Install	23JAN06	23JAN06	28NOV06	28NOV06	139		0.00	14,659.67						
452-1-8	Diagnostics AC Power Distr-Commission	23OCT06*	23OCT06*	31JAN07	31JAN07	139		0.00	6,021.60						
452-2-2	Diagnostics sensor cabling-Dsn	11AUG05*	11AUG05*	05JAN06	05JAN06	237		0.00	23,748.58						
452-2-4	Diagnostics sensor cabling-Procure	05OCT05*	05OCT05*	20SEP06	20SEP06	186		0.00	2,610.00						
452-2-6	Diagnostics sensor cabling-Install	30MAY06*	30MAY06*	01DEC06	01DEC06	136		0.00	20,556.31						
452-2-8	Diagnostics sensor cabling-Commission	26OCT06*	26OCT06*	05FEB07	05FEB07	136		0.00	6,021.60						
<b>453 - System Testing (PTP's)</b>															
453-1-2	New Procedures	06OCT05*	06OCT05*	20FEB06	20FEB06	215		0.00	68,000.00						
453-1-4	Preop Testing-Procure test equipt	10JUL06*	10JUL06*	01MAR07	01MAR07	118		0.00	33,366.72						
453-1-8	Testing PTPs, ISTPs	09OCT06*	09OCT06*	07MAR07	07MAR07	114		0.00	90,618.40						
<b>46 - FCPC Building Modifications</b>															
<b>Job: 4601 - FCPC Bldg Mods-RAMAKRISHNAN</b>															
<b>FY03 Actual Cost</b>															
4601-001	Apr-Sept MIE Cost	01APR03A	01APR03A	30SEP03A	30SEP03A		100	1,300.00	1,300.00						
4601-100	Clear area in West wing SPS to HVAC equipt	01APR04*	01JUL04	30JUN04	01OCT04	1,258		0.00	24,236.23						
460-2-4	Clear the small Vacuum prep lab -Procure	01OCT04*	01OCT04*	12JAN05	12JAN05	1,129		0.00	646.00						
460-2-6	Clear the small Vacuum prep lab -Install	13JAN05	13JAN05	13APR05	13APR05	1,129		0.00	12,464.00						
460-3-2	Floor & Wall Penetrations-Dsn	01OCT04*	01OCT04*	12JAN05	12JAN05	392		0.00	2,968.80						
460-3-4	Floor & Wall Penetrations-Procure	13JAN05	13JAN05	13APR05	13APR05	392		0.00	11,628.00						
460-3-6	Floor & Wall Penetrations-Install	14APR05	14APR05	15JUL05	15JUL05	392		0.00	11,730.40						
460-4-2	Mechanical Modifications-Dsn	01APR05*	01APR05*	01JUL05	01JUL05	271		0.00	4,208.00						
460-4-4	Mechanical Modifications-Procure	05JUL05	05JUL05	04OCT05	04OCT05	271		0.00	2,584.80						
460-4-6	Mechanical Modifications-Install	05OCT05	05OCT05	13JAN06	13JAN06	271		0.00	6,858.40						
<b>51 - TCP/IP Infrastructure Systems</b>															
<b>Job: 5801 -Central I&amp;C Integr &amp; Oversight-OLIARO</b>															
51-00	FY03		01APR03A		30SEP03A		LOE	11,900.00	11,900.00						
51-01	FY04 LOE support	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	9,303.27	12,504.40						

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
<b>51 - Central Instrumentation &amp; Control</b>															
51-02	FY05 LOE support	01OCT04*	01OCT04*	30SEP05	30SEP05	1,010		0.00	12,848.40						
51-10	Preliminary Design (Title I)	21AUG06*	21AUG06*	23OCT06	23OCT06	123		0.00	6,246.40						
51-20	Final Network Design (Title II)	24OCT06	24OCT06	20NOV06	20NOV06	123		0.00	6,548.00						
51-30	Installation, Testing, Documentation (Title III)	21NOV06*	21NOV06*	17MAY07	17MAY07	123		0.00	390,879.60						
<b>52 - Central Instrumentation &amp; Control</b>															
52-10	Preliminary Design (Title I)	06MAR06*	06MAR06*	05MAY06	05MAY06	121		0.00	24,320.00						
52-20	Final Design (Title II)	08MAY06	08MAY06	08SEP06	08SEP06	121		0.00	97,280.00						
52-30	Installation, Testing, Documentation (Title III)	11SEP06*	11SEP06*	21MAY07	21MAY07	121		0.00	456,439.69						
<b>53 - Data Acquisition &amp; Facility Computing</b>															
53-10	Preliminary Design (Title I)	08MAR06*	08MAR06*	09MAY06	09MAY06	119		0.00	48,640.00						
53-20	Final Design (Title II)	10MAY06	10MAY06	12SEP06	12SEP06	119		0.00	72,960.00						
53-30	Coding, Configuration, Testing (Title III)	13SEP06*	13SEP06*	23MAY07	23MAY07	119		0.00	286,217.26						
<b>54 - Facility Timing &amp; Synchronization</b>															
54-10	Preliminary Design (Title I)	01JUN06*	01JUN06*	03AUG06	03AUG06	119		0.00	36,480.00						
54-20	Final Design (Title II)	04AUG06	04AUG06	03NOV06	03NOV06	119		0.00	56,340.00						
54-30	Installation, Testing, Documentation (Title III)	06NOV06	06NOV06	23MAY07	23MAY07	119		0.00	259,211.60						
<b>55 - Real Time Plasma &amp; Power Supply Control Sys</b>															
55-10	Preliminary Design (Title I)	01AUG06*	01AUG06*	03OCT06	03OCT06	137		0.00	12,201.60						
55-20	Final Design (Title II)	04OCT06	04OCT06	31OCT06	31OCT06	137		0.00	13,096.00						
55-30	Installation, Testing, Documentation (Title III)	10NOV06	10NOV06	08MAY07	08MAY07	130		0.00	267,982.40						
<b>56 - Central Safety Interlock Systems</b>															
56-10	Preliminary Design (Title I)	15MAY06*	15MAY06*	15SEP06	15SEP06	136		0.00	24,320.00						
56-20	Final Design (Title II)	18SEP06	18SEP06	17NOV06	17NOV06	136		0.00	25,776.00						
56-30	Installation, Testing, Documentation (Title III)	20NOV06	20NOV06	30APR07	30APR07	136		0.00	349,830.00						

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 current schedule  
 xECP9 Baseline  
 Progress Bar  
 Critical Activity

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**STATUS THROUGH**  
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**ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year					
										FY04	FY05	FY06	FY07	FY08	
<b>57 - Control Room Facility</b>															
57-10	Preliminary Design (Title I)	01SEP06*	01SEP06*	03NOV06	03NOV06	147		0.00	12,680.00						
57-20	Final Design (Title II)	06NOV06	06NOV06	05DEC06	05DEC06	147		0.00	13,096.00						
57-30	Installation, Testing, Documentation (Title III)	06DEC06	06DEC06	13APR07	13APR07	147		0.00	93,938.00						
<b>61 - Water Systems</b>															
<b>611 - C-Site Cooling System</b>															
615.011	Engr recommissioning of C-Site Water systems	03JUL06*	03JUL06*	01SEP06	01SEP06	160		0.00	9,796.20						
615.021	Replace valves, resins, filters	06OCT06*	06OCT06*	16JAN07	16JAN07	137		0.00	143,473.60						
<b>612 - NB Water Cooling Systems</b>															
622.001	WBS 612 Preliminary design	30MAY06*	30MAY06*	19SEP06	19SEP06	147		0.00	35,824.00						
622.011	WBS 612 Final Design	20SEP06	20SEP06	14DEC06	14DEC06	147		0.00	23,802.66						
622.021	WBS 612 Assembly/Fabrication/Installation	26JAN07*	26JAN07*	17MAY07	17MAY07	123		0.00	180,299.92						
<b>613 - Vacuum Pumping System</b>															
623.010	LOE WBS 612	06OCT04*	06OCT04*	31MAY06	31MAY06	846		0.00	10,033.20						
623.011	Design WBS 612	01JUN06*	01JUN06*	15NOV06	15NOV06	133		0.00	22,793.02						
623.021	WBS 612 Assembly/Fabrication/Installation	13DEC06*	13DEC06*	14FEB07	14FEB07	116		0.00	67,180.00						
<b>614 - Bakeout Water System</b>															
625.001	WBS 614 Preliminary design	03OCT05*	03OCT05*	23DEC05	23DEC05	368		0.00	12,178.00						
625.011	WBS 614 Final Design	03JAN06	03JAN06	29MAR06	29MAR06	368		0.00	12,178.00						
625.021	WBS 614 Assembly/Fabrication	26MAR07	26MAR07	18MAY07	18MAY07	122		0.00	14,153.80						
<b>62 - Cryogenic Systems</b>															
<b>621 - LN2-LHe Supply System</b>															
631-001	Preliminary Design	19MAY06*	19MAY06*	21AUG06	21AUG06	137		0.00	15,032.10						
631-010	Final Design	22AUG06	22AUG06	21NOV06	21NOV06	137		0.00	35,902.27						
631-015	Fab/Assy/Installation	08FEB07*	08FEB07*	09MAY07	09MAY07	129		0.00	82,963.10						
631-020	Procurement	06DEC06*	06DEC06*	16APR07	16APR07	129		0.00	118,976.00						
<b>622 - LN2 Coil Cooling Supply</b>															
632-001	Preliminary Design	15MAY06*	15MAY06*	15AUG06	15AUG06	116		0.00	15,032.10						
632-010	Final Design	16AUG06	16AUG06	15NOV06	15NOV06	116		0.00	29,337.35						
632-015	Fab/Assy/Installation	18DEC06*	18DEC06*	29MAY07	29MAY07	116		0.00	114,018.60						
632-020	Procurement	16NOV06*	16NOV06*	29MAY07	29MAY07	116		0.00	116,001.60						
<b>623 - GN2 Cryostat Cooling System</b>															
633-001	Preliminary Design	12APR06*	12APR06*	13JUL06	13JUL06	139		0.00	15,032.10						

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
633-010	Final Design	14JUL06	14JUL06	13OCT06	13OCT06	139		0.00	24,114.72						
633-015	Fab/Assy/Installation	11JAN07*	11JAN07*	14MAY07	14MAY07	126		0.00	72,933.10						
633-020	Procurement	02NOV06*	02NOV06*	14MAY07	14MAY07	126		0.00	108,092.40						
<b>63 - Utility Systems</b>															
640.010	FY04/05 LOE support	06OCT04*	06OCT04*	21SEP06	21SEP06	767		0.00	16,749.14						
640.011	Design GN2, Air & Vent Systems	26MAY06*	26MAY06*	09NOV06	09NOV06	150		0.00	31,706.87						
640.021	Assembly/Fabrication	19DEC06*	19DEC06*	20FEB07	20FEB07	125		0.00	72,413.80						
<b>64 - PFC/VV Heating &amp; Cooling</b>															
650.001	Preliminary Design	26MAY06*	26MAY06*	07AUG06	07AUG06	122		0.00	40,172.00						
650.005	Final Design	08AUG06	08AUG06	07NOV06	07NOV06	122		0.00	118,749.29						
650.010	Lab Fab/Assy/Installation	08NOV06*	08NOV06*	18MAY07	18MAY07	122		0.00	286,477.00						
650.012	Procured Hardware/Material	08NOV06*	08NOV06*	18MAY07	18MAY07	122		0.00	172,650.40						
650.015	Procured Installation/Assy	21MAR07*	21MAR07*	18MAY07	18MAY07	122		0.00	10,816.00						
<b>65 - Facility Systems Integration</b>															
<b>Job: 6163 - Facility Systems Support FY04</b>															
65-03	LOE WBS 6	01OCT03A	01OCT03A	30SEP04	30SEP04	1,259	LOE	23,971.68	32,220.00						
<b>Job: 6501 - Facility Systems Integration-DUDEK</b>															
<b>FY03 Actual Cost</b>															
6501-001	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	9,380.00	9,380.00						
<b>71 - Shield Wall Seismic Modifications</b>															
<b>Job: 7101 - Shield Wall Modif Design-PERRY</b>															
<b>FY03 Actual Cost</b>															
7101-000	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	32,150.00	32,150.00						
<b>72 - Control Room Refurbishment</b>															
<b>Job: 7201 - Control Room Walls&amp;Floors-PERRY</b>															
710.001	Block Wall east side control room	01JUN04*	16AUG04*	28JUL04	17SEP04	1,250		0.00	39,512.00						
711B.050	Complete Control Room Flooring	29JUL04	20SEP04	25AUG04	13OCT04	1,250	85	0.00	8,222.40						
<b>73 - Platform Design &amp; Fabrication</b>															
<b>Job: 7301 - Platform Design &amp; Fab-PERRY</b>															
712.008	Update Platform Specification	02FEB04*	23JUL04*	17FEB04	26AUG04	1,259		0.00	6,460.00						
712.009	Platform PDR			17FEB04*	26AUG04	1,259		0.00	0.00						

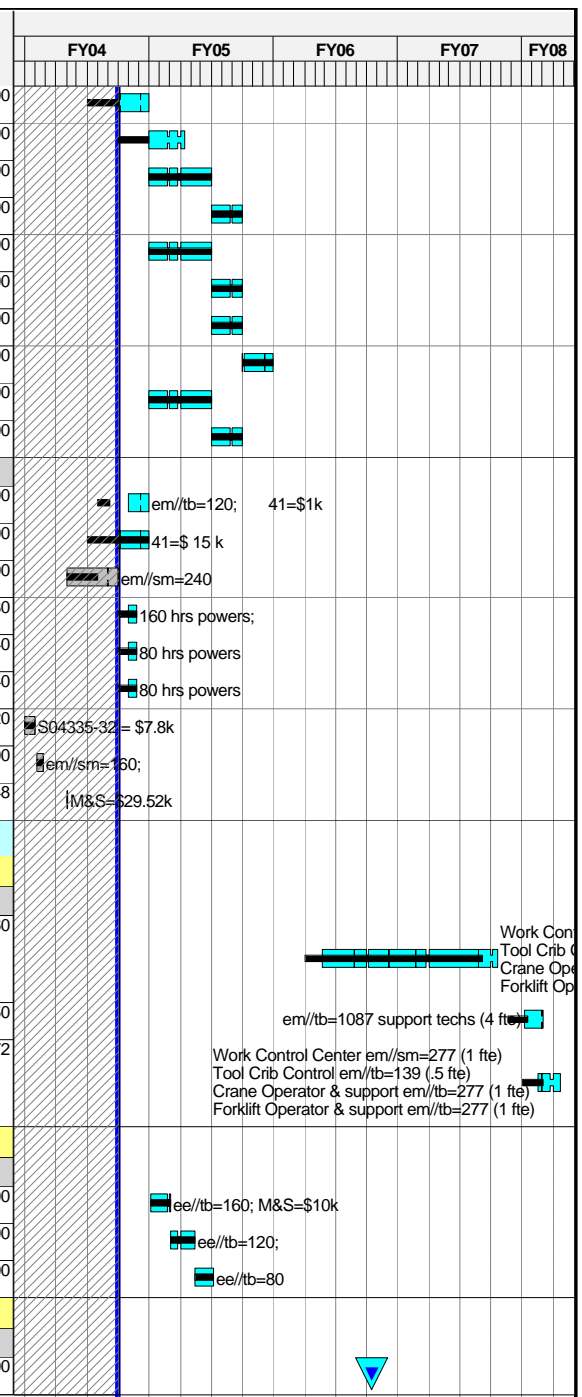
Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
711A.040	Platform nut plates	02JUL04*	02JUL04*	30SEP04	30SEP04	1,259	75	0.00	28,922.00						
712.010	Final Design	01JUL04*	27AUG04*	30SEP04	30SEP04	1,283		0.00	54,170.00						
<b>Job: 7401 - TC Prep &amp; Mach Assy Planning-PERRY</b>															
712.020	Fab & Assemble Platform	03OCT05*	03OCT05*	10APR06	10APR06	212		0.00	24,296.30						
712.030	Miscs Hardware/Material	03OCT05*	03OCT05*	10APR06	10APR06	896		0.00	45,675.00						
<b>74 - Machine Assembly Planning and Oversight</b>															
<b>Job: 7401 - TC Prep &amp; Mach Assy Planning-PERRY</b>															
<b>FY03 Actual Cost</b>															
7401-001	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	131,680.00	131,680.00						
<b>Oversight and Supervision</b>															
711A.020	LOE FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	112,420.88	149,894.50						
<b>Project Scope</b>															
714.010	LOE FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	522		0.00	236,807.20						
714.020	LOE FY06 prior to assy starting	03OCT05	03OCT05	31MAR06	31MAR06	522		0.00	118,111.86						
714.030	LOE FY07 thru first plasma	03APR06	03APR06	14SEP07	14SEP07	522		0.00	542,474.94						
714.031	WBS 7 mgt stretch out cost	11SEP07*	11SEP07*	30MAY08	30MAY08	346		0.00	287,396.72						
<b>FED/Infrastructure Support (non Project cost)</b>															
613.010	Remove Shield Walls ** GPP **	02FEB04*	01APR04A	01JUN04	22JUN04A			0.00	0.00						
613.015	Fabricate New Bottom Course of Blocks **GPP**	15MAR04*	01APR04A	15JUL04	15NOV04	1,251		0.00	0.00						
613.017	Install New Bottom Course **GPP**	02AUG04*	02AUG04*	04JAN05	04JAN05	1,219		0.00	0.00						
613.020	Remove south PLT shielding (cc 7230)	12JAN04A	01JUN04A	15JUN04	22JUN04A			0.00	0.00						
613.025	Dispose of old south PLT shielding **GPP**	15JUN04*	01JUL04*	16AUG04	16AUG04	1,315		0.00	0.00						
EXFAC003	Clear PBX control room & Safe PBX (cc7230)	27JAN03A	27JAN03A	30JUN03A	30JUN03A		100	0.00	0.00						
EXFAC004	Remove Fire protection PLT wall (cc7230)	01MAY03A	01MAY03A	09MAY03A	09MAY03A		100	0.00	0.00						
EXFAC005	Remove Fire Protection under platform (cc7230)	01APR03A	01APR03A	30APR03A	30APR03A		100	0.00	0.00						
EXFAC006	Remove Fire Protection Control rm walls(cc7230)	01MAY03A	01MAY03A	09MAY03A	09MAY03A		100	0.00	0.00						
EXFAC007	Remove PBX Base Plates cc7230)	01MAR04*	25FEB04A	30APR04	12MAR04A		100	0.00	0.00						
GPP001	GPP-Upgarde C-Site central chilled wtr plant*TBD	01OCT02A	01OCT02A	01OCT02A	01OCT02A			0.00	0.00						
GPP004	GPP-Roofing Design	02FEB04*	01APR04A	30SEP04	30SEP04	1,259		0.00	0.00						
GPP004.1	GPP-Roofing Install	01OCT04*	02AUG04*	30SEP05	30SEP04	1,259		0.00	0.00						
GPP005	GPP-Test Cell lighting Design	01APR04*	01APR04A	30JUN04				0.00	0.00						
GPP005.1	GPP-Test Cell lighting Install	01JUL04	01JUL04	30SEP04	30SEP04	1,259		0.00	0.00						
GPP006	GPP-Test Cell HVAC/dew point control Design	01OCT04*	01OCT04*	30MAR05	30MAR05	1,011		0.00	0.00						
GPP006.1	GPP-Test Cell HVAC/dew point control Install	31MAR05	31MAR05	29SEP05	29SEP05	1,011		0.00	0.00						
GPP007	GPP-C-Site elevators Design	02FEB04*	01JUL04*	29APR04	30JUN04	1,259		0.00	0.00						
GPP007.1	GPP-C-Site elevators Install	30APR04	01JUL04	30JUL04	30SEP04	1,259		0.00	0.00						

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ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY						
										FY04	FY05	FY06	FY07	FY08		
GPP008	GPP-Fire suppression high bay design	01APR04*	01JUL04*	30JUN04	30SEP04	1,195		0.00	0.00							
GPP008.1	GPP-Fire suppression high bay install	01JUL04	01OCT04	30SEP04	11JAN05	1,195		0.00	0.00							
GPP009	Control Room Lights & Outlets design	01OCT04*	01OCT04*	31MAR05	31MAR05	1,010		0.00	0.00							
GPP009.1	Control Room Lights & Outlets install	01APR05	01APR05	30JUN05	30JUN05	1,010		0.00	0.00							
GPP010	Control Room HVAC Design	01OCT04*	01OCT04*	31MAR05	31MAR05	1,010		0.00	0.00							
GPP010.1	Control Room HVAC Install	01APR05	01APR05	30JUN05	30JUN05	1,010		0.00	0.00							
GPP011	Control Room Ceiling Design	01APR05*	01APR05*	30JUN05	30JUN05	1,010		0.00	0.00							
GPP011.1	Control Room Ceiling Install	01JUL05	01JUL05	30SEP05	30SEP05	1,010		0.00	0.00							
GPP012	Control Rm Fire Detection & Suppression Design	01OCT04*	01OCT04*	31MAR05	31MAR05	1,010		0.00	0.00							
GPP012.1	Control Rm Fire Detection & Suppression Install	01APR05	01APR05	30JUN05	30JUN05	1,010		0.00	0.00							
<b>Test Cell Modifications &amp; Upgrades</b>																
613.030	Test Cell copper ground plane cuts	03MAY04*	02AUG04*	07JUN04	30SEP04	1,283		0.00	10,490.00							
713.010	General procurements	01APR04*	01JUL04*	30SEP04	30SEP04	1,283		0.00	19,110.00							
7502-000	Outlet Design	02FEB04*	02FEB04A	30APR04	30JUN04A		100	25,272.00	25,272.00							
7502-001	Test Cell 110v outlets	01JUL04*	02AUG04*	26AUG04	27AUG04	1,282		0.00	14,268.80							
7502-002	Test Cell 208v outlets	01JUL04*	02AUG04*	26AUG04	27AUG04	1,282		0.00	7,134.40							
7502-010	Ready Rooms (under control room) 110v outlets	01JUL04*	02AUG04*	26AUG04	27AUG04	1,156		0.00	7,134.40							
7502-011	Cable Removal in test cell (S04335-32)	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	9,937.20	9,937.20							
7502-025	TC Floor penetration covers	03NOV03A	03NOV03A	26NOV03A	26NOV03A		100	16,848.00	16,848.00							
EXFAC001.2	Complete Crane Modifications (S04354)	02FEB04A	02FEB04A	30JAN04A	30JAN04A		100	37,608.48	37,608.48							
<b>75 - Test Cell and Basement Assembly Operations</b>																
<b>7501 - Construction Support Crew</b>																
7501-05	Construction Support Crew during machine assy	05JAN06	20FEB06	04JUN07	19JUL07	80		0.00	800,138.60							
7501-06	Construction Support Crew during e-beam mapping	22AUG07	08OCT07	18OCT07	05DEC07	466		0.00	94,025.50							
7501-07	Construction Support Crew during cryostat instl	05OCT07	20NOV07	03DEC07	24JAN08	436		0.00	92,837.72							
<b>7502 - Test Cell Facility Preparations</b>																
7502-020	Resurface TC floor	04OCT04*	04OCT04*	02DEC04	02DEC04	1,132		0.00	30,248.00							
7502-030	TC Floor firesealing	03DEC04*	03DEC04*	09FEB05	09FEB05	1,132		0.00	12,996.00							
7502-035	Control room firesealing	10FEB05*	10FEB05*	08APR05	08APR05	1,132		0.00	8,664.00							
<b>7503 - Machine Assembly</b>																
730.1000	Begin Assembly Activities	18JUL06*	18JUL06*			124		0.00	0.00							





Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY					
										FY04	FY05	FY06	FY07	FY08	
730.1020	Install & Level Support Base Plates	18JUL06	18JUL06	07AUG06	07AUG06	124		0.00	34,504.00						em//sm=80; em//tb=320
730.1030	Install/Level Machine Support Columns	08AUG06	08AUG06	12SEP06	12SEP06	124		0.00	51,756.00						em//sm=120; em//tb=480
730.1040	Install Platform	13SEP06	13SEP06	30NOV06	30NOV06	124		0.00	231,277.87	41+\$20k					em//em=40;em//sm=432;em//tb=1728
730.1050	Install Lighting, Fire Det/Supprs under platform	01DEC06	01DEC06	24JUL07	24JUL07	559		0.00	70,761.60	41=\$6k					em//em=40;em//sm=80;em//tb=480
730.1060	Install Lower Cryostat Floor	27SEP06	27SEP06	03OCT06	03OCT06	124		0.00	17,784.80						em//sm=40; em//tb=160
730.1070	Install Lower PF 3,4,5&6 into prelim position	04OCT06	04OCT06	10OCT06	10OCT06	124		0.00	18,584.00						em//sm=40; em//tb=160
730.1081	1st Field Period Assembly-Position	11OCT06	30OCT06	18OCT06	06NOV06	111		0.00	22,300.80						em//sm=48; em//tb=192
730.1081X	*****PBR add1st Field Period Assembly-Position	19OCT06	07NOV06	26OCT06	14NOV06	111		0.00	22,300.80						em//sm=48; em//tb=192
730.1082	1st Field Period Assembly-Weld	27OCT06	15NOV06	01NOV06	20NOV06	111		0.00	14,867.20						em//sm=32; em//tb=128
730.1083	1st Field Period Assembly-Leak Check	02NOV06	21NOV06	08NOV06	29NOV06	111		0.00	18,584.00						em//sm=40; em//tb=160
730.1091	2nd Field Period Assembly-Position	09NOV06	22DEC06	16NOV06	08JAN07	95		0.00	22,300.80						em//sm=48; em//tb=192
730.1091X	****PBR add2nd Field Period Assembly-Position	17NOV06	09JAN07	28NOV06	16JAN07	95		0.00	22,300.80						em//sm=48; em//tb=192
730.1092	2nd Field Period Assembly-Weld	29NOV06	17JAN07	04DEC06	22JAN07	95		0.00	14,867.20						em//sm=32; em//tb=128
730.1093	2nd Field Period Assembly-Leak Check	05DEC06	23JAN07	11DEC06	29JAN07	95		0.00	18,584.00						em//sm=40; em//tb=160
730.1101	3rd Field Period Assembly-Position	05JAN07	20FEB07	22JAN07	07MAR07	80		0.00	44,601.60						em//sm=96; em//tb=384
730.1101X	*****pbr adrd Field Period Assembly-Position	23JAN07	08MAR07	07FEB07	23MAR07	80		0.00	44,601.60						em//sm=96; em//tb=384
730.1102	3rd Field Period Assembly-Weld	08FEB07	26MAR07	13FEB07	29MAR07	80		0.00	14,867.20						em//sm=32; em//tb=128
730.1103	3rd Field Period Assembly-Leak Check	14FEB07	30MAR07	20FEB07	05APR07	80		0.00	18,584.00						em//sm=40; em//tb=160
730.1130	Make Final Vacuum Pump Connections to VV	21FEB07	06APR07	09MAR07	24APR07	80		0.00	37,168.00						em//sm=80; em//tb=320
730.1139	Begin Vac Vsl Pumpdown	12MAR07	25APR07			80		0.00	0.00						PEP Date = September 2007
730.1140	PTP Pumpdown & leak check VV (WBS 220-025)	12MAR07	25APR07	23MAR07	08MAY07	80		0.00	47,012.00	support labor					em//em=40; em//sm=160; em//tb=240
730.1150	Raise lower PF-3,4,5&6 coils into final position	26MAR07	09MAY07	28MAR07	11MAY07	80		0.00	11,615.00						em//sm=25; em//tb=100
730.1170	Install PF Solenoid into position (U/L 1&2 PF)	29MAR07	14MAY07	03APR07	17MAY07	80		0.00	13,938.00						em//sm=30; em//tb=120
730.1175	Install Upper PF-3,4,5 & 6 coils	04APR07	18MAY07	06APR07	22MAY07	80		0.00	11,615.00						em//sm=25; em//tb=100
730.1180	Install Bus connections to coil sys (WBS 431-131)	09APR07	23MAY07	04JUN07	19JUL07	80		0.00	0.00						
730.1210	Connect Cooling System (WBS 61)	26MAR07	09MAY07	04MAY07	20JUN07	100		0.00	0.00						
730.1230	Complete Bus connections (WBS 4 )	09APR07	23MAY07	04JUN07	19JUL07	80		0.00	37,168.00						em//sm=80; em//tb=320
730.1249	Operational Readiness Assessment	07MAY07	21JUN07	04JUN07	19JUL07	80		0.00	0.00						
730.1250	Operational Readiness			04JUN07	19JUL07	80		0.00	0.00						PEP Date = November 2007
730.8074	Begin Cryostat Installation	05OCT07	20NOV07			80		0.00	0.00						PEP Date = March 2008
730.8075	Prep Cryostat for installation	05OCT07	20NOV07	18OCT07	05DEC07	80		0.00	66,128.00						em//em=80; em//sm=80; em//tb=480
730.8100	Cryo stat installation & Test & Cooldown	19OCT07	06DEC07	15NOV07	10JAN08	80		0.00	132,256.00						em//em=160; em//sm=160; em//tb=960
730.8200	Cold Power Test PTP	16NOV07	11JAN08	03DEC07	24JAN08	80		0.00	66,128.00						em//em=80; em//sm=80; em//tb=480

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 current schedule  
 xECP9 Baseline  
 Progress Bar  
 Critical Activity

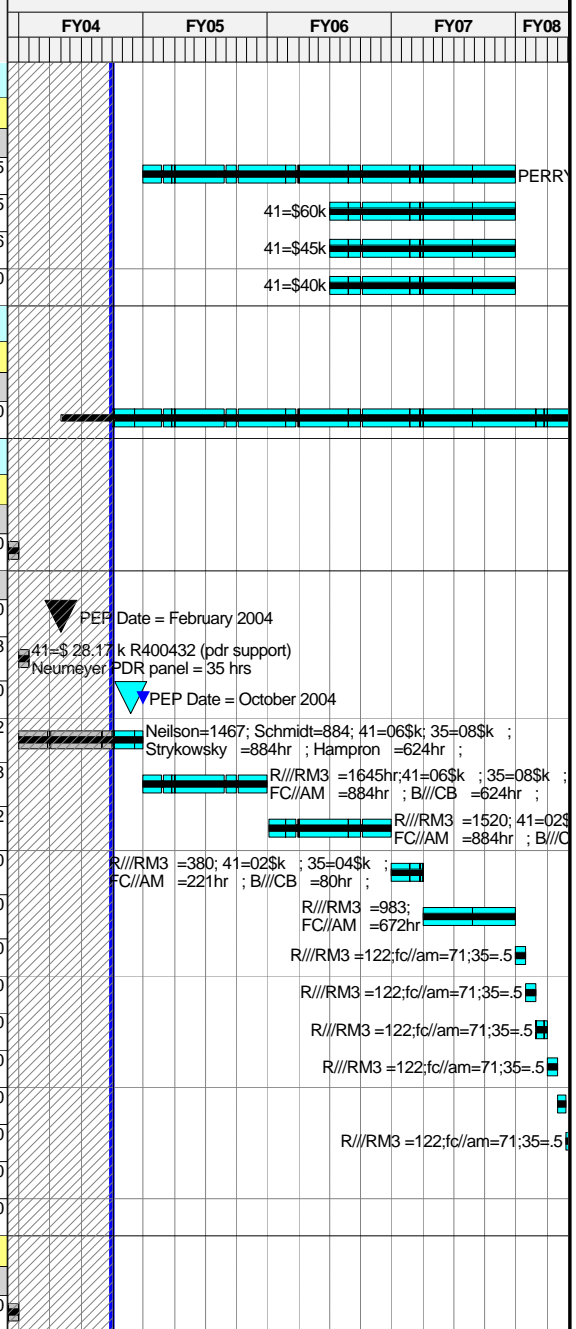
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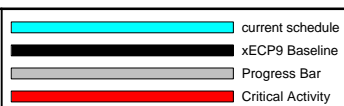
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**STATUS THROUGH**  
**JULY 1, 2004**  
**ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year					
										FY04	FY05	FY06	FY07	FY08	
<b>76 - Tooling Design &amp; Fabrication</b>															
713.020	Lab Fab/Assy/Installation	01OCT04*	01OCT04*	28SEP07	28SEP07	519		0.00	29,973.45						
713.030	Tooling,assy fixtures,misc equipt	03APR06*	03APR06*	28SEP07	28SEP07	519		0.00	80,177.55						
713.040	General procurements	03APR06*	03APR06*	28SEP07	28SEP07	519		0.00	60,133.16						
713.050	Welding tools, materials & equipt	03APR06*	03APR06*	28SEP07	28SEP07	519		0.00	53,451.70						
<b>77 - Measurement Systems</b>															
780.000	No additional tools/devices needed.	02FEB04	01JUL04	30MAY08	30MAY08	348		0.00	0.00						
<b>81 - Project Management and Control</b>															
<b>Job: 8101 - Project Management &amp; Control-NEILSON</b>															
<b>FY03 Actual Cost</b>															
810.001	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	387,340.00	387,340.00						
M-0110	CD-2				03FEB04A			0.00	0.00						
810.009	PDR Support	01OCT03A	01OCT03A	31OCT03A	31OCT03A		100	41,163.08	41,163.08						
M-0115	CD-3			30SEP04*	24AUG04		120	0.00	0.00						
810.002	Project Management Office PPPL FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	516,866.12	689,154.82						
810.003	Project Management Office PPPL FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,028		0.00	538,759.58						
810.004	Project Management Office PPPL FY06	03OCT05*	03OCT05*	29SEP06	29SEP06	519		0.00	492,727.12						
810.004X	Project Management Office PPPL FY07	02OCT06	02OCT06	04JAN07	04JAN07	519		0.00	140,228.10						
810.005	Project Management Office PPPL FY07	05JAN07	05JAN07	28SEP07	28SEP07	519		0.00	341,782.20						
810.900	Project Management Office PPPL 1 mo SO	01OCT07*	01OCT07*	29OCT07	29OCT07	351		0.00	42,310.60						
810.990	Project Management Office PPPL 1 mo SO	30OCT07*	30OCT07*	27NOV07	27NOV07	351		0.00	42,310.60						
810.991	Project Management Office PPPL 1 mo SO	28NOV07*	28NOV07*	31DEC07	31DEC07	351		0.00	42,310.60						
810.992	Project Management Office PPPL 1 mo SO	02JAN08*	02JAN08*	30JAN08	30JAN08	351		0.00	42,310.60						
810.993	Project Management Office PPPL 1 mo SO	31JAN08*	31JAN08*	28FEB08	28FEB08	351		0.00	42,310.60						
810.994	Project Management Office PPPL 1 mo SO	29FEB08*	29FEB08*	28MAR08	28MAR08	351		0.00	42,310.60						
810.995	Project Management Office PPPL 1 mo SO	31MAR08*	31MAR08*	28APR08	28APR08	351		0.00	42,310.60						
810.996	Project Management Office PPPL 1 mo SO	29APR08*	29APR08*	27MAY08	27MAY08	351		0.00	42,310.60						
<b>Job: 8102 - NCSX MIE Management ORNL-LYON</b>															
<b>FY03 Actual Cost</b>															
810.101	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	58,600.00	58,600.00						



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**STATUS THROUGH  
JULY 1, 2004  
ECP 9**

Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	FY				
										FY04	FY05	FY06	FY07	FY08
810.102	Project Management Office ORNL FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	90,171.17	120,228.22					
810.103	Project Management Office ORNL FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,028		0.00	85,894.36					
810.104	Project Management Office ORNL FY06	03OCT05*	03OCT05*	29SEP06	29SEP06	519		0.00	49,323.49					
810.104X	Project Management Office ORNL FY06	02OCT06	02OCT06	04JAN07	04JAN07	519		0.00	14,321.54					
810.105	Project Management Office ORNL FY07	05JAN07	05JAN07	28SEP07	28SEP07	519		0.00	33,631.32					
810.901	Project Management Office ORNL 1 mo SO	02OCT07*	02OCT07*	30OCT07	30OCT07	350		0.00	2,834.10					
810.980	Project Management Office ORNL 1 mo SO	31OCT07*	31OCT07*	28NOV07	28NOV07	350		0.00	2,834.10					
810.981	Project Management Office ORNL 1 mo SO	03DEC07*	03DEC07*	02JAN08	02JAN08	350		0.00	2,834.10					
810.982	Project Management Office ORNL 1 mo SO	03JAN08*	03JAN08*	31JAN08	31JAN08	350		0.00	2,834.10					
810.983	Project Management Office ORNL 1 mo SO	01FEB08*	01FEB08*	29FEB08	29FEB08	350		0.00	2,834.10					
810.984	Project Management Office ORNL 1 mo SO	03MAR08*	03MAR08*	31MAR08	31MAR08	350		0.00	2,834.10					
810.985	Project Management Office ORNL 1 mo SO	01APR08*	01APR08*	29APR08	29APR08	350		0.00	2,834.10					
810.986	Project Management Office ORNL 1 mo SO	30APR08*	30APR08*	28MAY08	28MAY08	350		0.00	2,834.10					

**82 - Project Engineering**

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

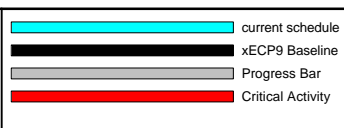
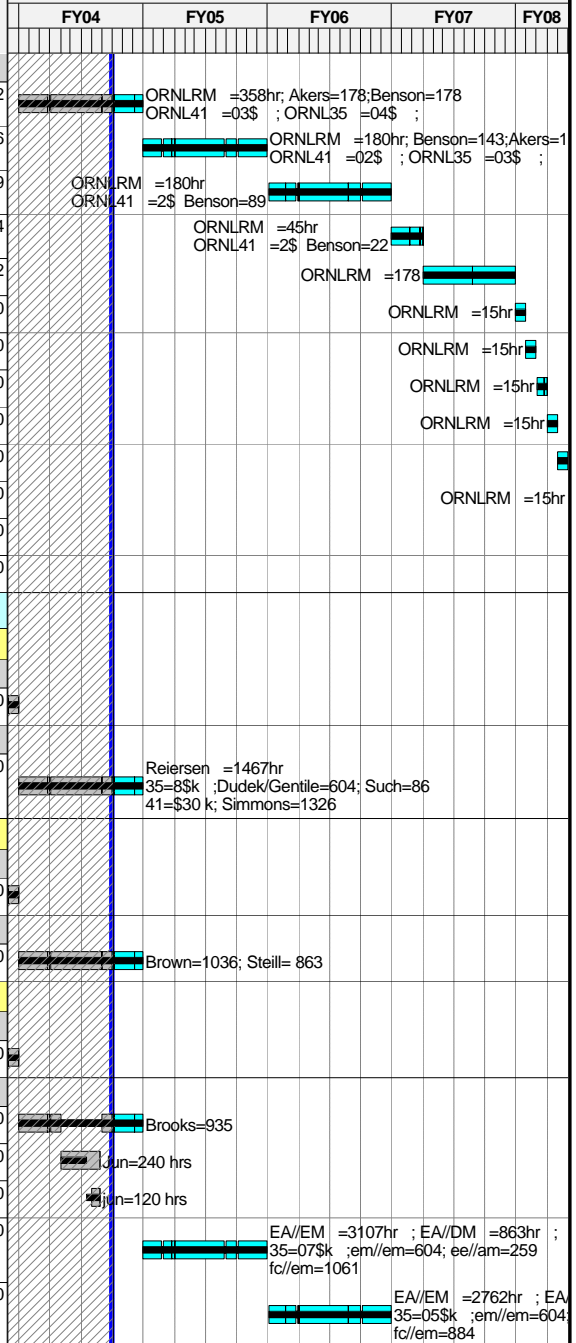
FY03 Actual Cost										
820.110	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	295,530.00	295,530.00	
820.002	LOE FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	470,063.48	626,751.30	

**Job: 8203 - Design Integration-REIERSEN**

FY03 Actual Cost										
820.150	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	178,750.00	178,750.00	
820.200	LOE FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	192,954.60	257,272.80	

**Job: 8204 - Systems Analysis-REIERSEN**

FY03 Actual Cost										
820.173	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	44,620.00	44,620.00	
820.174	LOE FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	94,345.85	150,254.50	
8204.01	Assess magnetic material in test cell	02FEB04*	02FEB04A	19APR04	28MAY04A		100	38,568.00	38,568.00	
8204.02	Model effects local high MU regions on MCWF	20APR04	01MAY04A	28MAY04	28MAY04A		100	19,284.00	19,284.00	
820.003	Proj engr,Sys Integr.,Designers, Deputy PM FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,028		0.00	933,340.30	
820.004	Proj engr,Sys Integr.,Designers, Deputy PM FY06	03OCT05*	03OCT05*	29SEP06	29SEP06	348		0.00	870,153.80	



Activity ID	Activity Description	ECP6 Baseline Start	Forecast Start	ECP6 Baseline Finish	Forecast Finish	Total Float	% Cmpl	Earned value (BCWP)	Baseline Budget ECP9	Fiscal Year				
										FY04	FY05	FY06	FY07	FY08
820.004X	Proj engr, Sys Integr., Designers, Deputy PM FY07	02OCT06	02OCT06	04JAN07	04JAN07	348		0.00	240,404.50					
820.004Z	Proj engr, Sys Integr., Designers, Deputy 8mo s.o.	05JAN07	05JAN07	25SEP07	25SEP07	348		0.00	692,941.22					
820.005	Proj engr, Sys Integr., Designers, Deputy PM FY07	26SEP07*	26SEP07*	30MAY08	30MAY08	348		0.00	375,239.54					

**84 - Project Physics**

**Job: 8401 - Project Physics-ZARNSTORFF**

**FY03 Actual Cost**

840.201	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	210,270.00	210,270.00
840.202	Project Physics/Engr Analysis FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	74,854.65	99,806.20
840.203	Project Physics/Engr Analysis FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,028		0.00	95,530.00

**Job: 8402 - Project Physics MIE ORNL-LYON**

**FY03 Actual Cost**

840.301	Apr-Sept MIE Cost ORNL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	40,980.00	40,980.00
840.302	Project Physics/Engr Analysis FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	45,833.22	61,110.96

**85 - Integrated Systems Testing**

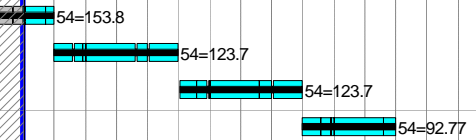
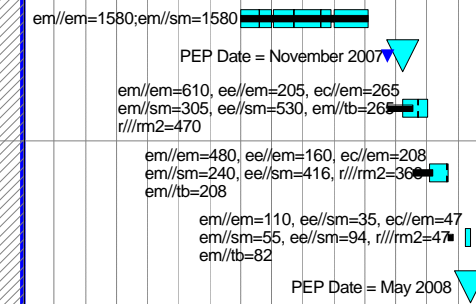
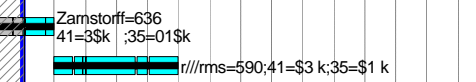
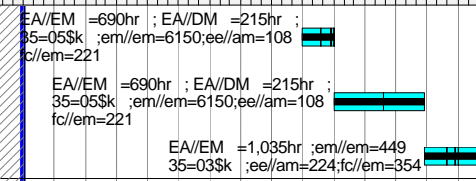
920.001	Procedure and Document Preparation	03APR06*	03APR06*	11APR07	11APR07	129		0.00	458,003.27
920.004	Begin Start-up Testing	05JUN07	20JUL07			80		0.00	0.00
920.005	Start-up Testing	05JUN07	20JUL07	21AUG07	05OCT07	80		0.00	391,414.96
920.010	Power Testing and E-Beam Mapping	22AUG07	08OCT07	18OCT07	05DEC07	80		0.00	312,483.20
920.020	Final ISTP	04DEC07	25JAN08	17DEC07	07FEB08	80		0.00	67,553.80
730.9000	First Plasma			30MAY08*	07FEB08	80		0.00	0.00
M-0120	CD-4			30MAY08*	30MAY08*	0		0.00	0.00

**PPPL Allocations**

**Job: 8998 - Allocations**

**FY03 Actual Cost**

99.03	Apr-Sept MIE Cost PPPL	01APR03A	01APR03A	30SEP03A	30SEP03A		100	60,670.00	60,670.00
99.04	PPPL Allocations FY04	01OCT03A	01OCT03A	30SEP04	30SEP04	1,283	LOE	199,440.15	265,920.20
99.05	PPPL Allocations FY05	01OCT04*	01OCT04*	30SEP05	30SEP05	1,028		0.00	214,990.60
99.06	PPPL Allocations FY06	03OCT05*	03OCT05*	29SEP06	29SEP06	774		0.00	214,619.50
99.07	PPPL Allocations FY07	02OCT06*	02OCT06*	29JUN07	29JUN07	519		0.00	170,232.95



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**STATUS THROUGH  
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