

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | | | | |
|--|--|----------------|----------|-----------------|-------------|-------------------|--------------------------|--------------------|--|---------------------------|------|------------------------------|------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | | | | |
| Job: 1206 - VV Field Weld Joint R&D-DUDEK | | | | | | | | | | | | | | | | | | | | | | | |
| Vessel Weld Joint R&D | | | | | | | | | | | | | | | | | | | | | | | |
| 1202-848 | Bid,eval,award full size test sample *ECP6* | 29APR04A | 254* | 29APR05 | 648 | LOE | 1,471.05 | 1,604.20 | █ dudek=10 | | | | | | | | | | | | | | |
| 1202-851 | vendor fab & deliver full size sample *ECP6* | 02MAY05 | 120 | 14OCT05 | 648 | | 0.00 | 37,770.37 | █ 41=\$ 25k; dudek=10 | | | | | | | | | | | | | | |
| 1202-854 | Instrument sample *ECP6* | 17OCT05 | 11 | 31OCT05 | 648 | | 0.00 | 6,441.90 | █ dudek=16,eem/sm=24; 41=.5 | | | | | | | | | | | | | | |
| 1202-857 | Perform welds on sample *ECP6* | 01NOV05 | 5 | 07NOV05 | 648 | | 0.00 | 9,417.60 | █ welder=80 | | | | | | | | | | | | | | |
| 1202-860 | Measure Results *ECP6* | 08NOV05 | 6 | 15NOV05 | 648 | | 0.00 | 4,315.68 | █ dudek=24 | | | | | | | | | | | | | | |
| 1202-863 | Report Results *ECP6* | 16NOV05 | 5 | 22NOV05 | 648 | | 0.00 | 4,315.68 | █ dudek=24 | | | | | | | | | | | | | | |
| 1206-100 | Prep Sample | 01NOV04A | 125* | 29APR05 | 1,144 | 50 | 1,260.24 | 2,520.48 | █ machinist=24 | | | | | | | | | | | | | | |
| 1206-110 | Weld | 01NOV04A | 125* | 29APR05 | 1,144 | 50 | 298.08 | 596.16 | █ welder=8 | | | | | | | | | | | | | | |
| Job: 1250 - Vacuum Vessel Fabrication-VIOLA | | | | | | | | | | | | | | | | | | | | | | | |
| Start Up/Engineering | | | | | | | | | | | | | | | | | | | | | | | |
| VVSA-001 | Process Order | 24SEP04A | 151* | 29APR05 | 1,144 | 77 | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-021 | Sect 5.1.2 Fiducials | 29NOV04A | 88* | 04APR05 | 1,163 | 98 | 69,045.90 | 70,455.00 | █ 41=\$55k | | | | | | | | | | | | | | |
| VVSA-031 | Sect 5.1.3 Proc Outline & Asc Procedures | 24SEP04A | 151* | 29APR05 | 1,144 | 91 | 110,722.41 | 121,672.98 | █ 41=\$95k | | | | | | | | | | | | | | |
| Dies & Gages | | | | | | | | | | | | | | | | | | | | | | | |
| VVSA-061 | Machine Complete | 01FEB05A | 48* | 07APR05 | 453 | 77 | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-071 | Deburr | 01FEB05A | 49* | 08APR05 | 452 | 70 | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-081 | Inspection | 01FEB05A | 53* | 14APR05 | 448 | 60 | 272,892.00 | 454,820.00 | █ 48=\$239k █ 48=amendment for dies=\$215.822 | | | | | | | | | | | | | | |
| VVSA-091 | Development Panels (9 panels) | 01APR05* | 22* | 02MAY05 | 436 | 2 | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| 121-115 | S005243 #4-Dies Manufactured | | 0 | 02MAY05 | 1,143 | | 0.00 | 0.00 | ▼ Contract Milestone Payment\$464 (ref only) | | | | | | | | | | | | | | |
| Fixture (2) 60 degree | | | | | | | | | | | | | | | | | | | | | | | |
| VVA-152 | Inspection Second | | 0 | 06MAY05* | 1,139 | | 0.00 | 0.00 | ▼ | | | | | | | | | | | | | | |
| VVSA-111 | Procure Materials | 01APR05* | 1* | 01APR05 | 602 | 85 | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-121 | Fab & Machine | 01APR05* | 12* | 18APR05 | 602 | 25 | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-131 | Assemble | 01APR05* | 21* | 29APR05 | 1,138 | 5 | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-141 | Deburr | 01APR05* | 27* | 09MAY05 | 1,138 | | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-151 | Inspection First | 19APR05* | 20* | 16MAY05 | 602 | | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| Fixture (3) 120 degree | | | | | | | | | | | | | | | | | | | | | | | |
| VVSA-161 | Engineering | 01APR05* | 11* | 15APR05 | 1,102 | 30 | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-171 | Procure Materials | 01APR05* | 31* | 13MAY05 | 1,102 | | 0.00 | 220,000.00 | █ 48=\$220k | | | | | | | | | | | | | | |
| 121-110 | S005243 #3-Fixture material procured | | 0 | 13MAY05 | 1,134 | | 0.00 | 0.00 | ▼ Contract Milestone Payment \$220 (ref only) | | | | | | | | | | | | | | |
| VVSA-181 | Fab & Machine | 01APR05* | 60* | 23JUN05 | 1,102 | | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-191 | Assemble | 04MAY05* | 59* | 25JUL05 | 1,079 | | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-201 | Deburr | 12MAY05* | 63* | 08AUG05 | 1,073 | | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| VVSA-211 | Inspection - | 04JUL05* | 9* | 14JUL05 | 593 | | 0.00 | 0.00 | █ | | | | | | | | | | | | | | |
| Panels & Ports | | | | | | | | | | | | | | | | | | | | | | | |
| VVSA-221 | Procure Vessel Material | 29OCT04A | 121* | 22APR05 | 421 | 85 | 315,766.50 | 371,490.00 | █ 41=\$290k | | | | | | | | | | | | | | |
| 121-105 | S005243 #2-Vessel material procured | | 0 | 22APR05* | 1,149 | | 0.00 | 0.00 | ▼ Contract Milestone Payment \$290 (ref only) | | | | | | | | | | | | | | |
| VVSA-231 | Production Panels Period #1 | 25APR05 | 21* | 23MAY05 | 421 | | 0.00 | 260,000.00 | █ 48=\$260k | | | | | | | | | | | | | | |
| 121-120 | S005243 #5-1/3 of Vessel plates formed | | 0 | 23MAY05* | 1,128 | | 0.00 | 0.00 | ▼ Contract Milestone Payment \$260 (ref only) | | | | | | | | | | | | | | |
| Run Date | 27APR05 09:15 | | | | 0503 | NCSX ECPxx | | | Sheet 2 of 42 | completed tasks not shown | | | | | | | | | | | | | |
| © Primavera Systems, Inc. | | | | | | | | | | | | NEW PROPOSED BASELINE | | | | | | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|-------------------------------|---|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|---|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| VVSA-241 | Production Panels Period #2 | 25APR05* | 45' | 24JUN05 | 479 | | 0.00 | 200,000.00 | 48=\$200k | | | | | | | | | | | |
| 121-125 | S005243 #6-Second 1/3 of vsl plates formed | | 0 | 24JUN05* | 1,104 | | 0.00 | 0.00 | Contract Milestone Payment \$200 (ref only) | | | | | | | | | | | |
| VVSA-251 | Production Panels Period #3 | 17MAY05* | 36' | 05JUL05 | 566 | | 0.00 | 200,000.00 | 48=\$200k | | | | | | | | | | | |
| 121-130 | S005243 #7-Last 1/3 of vsl plates formed | | 0 | 05JUL05* | 1,097 | | 0.00 | 0.00 | Contract Milestone Payment \$200 (ref only) | | | | | | | | | | | |
| VVSA-261 | Port Ext, Misc HW Period #1 | 11APR05* | 67' | 12JUL05 | 437 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-271 | Port Ext, Misc HW Period #2 | 30MAY05* | 57' | 16AUG05 | 506 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-281 | Port Ext, Misc HW Period #3 | 27JUN05* | 57' | 13SEP05 | 583 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-291 | Spacer & port Ext | 03JUN05* | 77' | 19SEP05 | 632 | | 0.00 | 0.00 | | | | | | | | | | | | |
| First 120 deg segment | | | | | | | | | | | | | | | | | | | | |
| VVSA-301 | 1st 60 deg segment | 10MAY05* | 25' | 13JUN05 | 410 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-311 | 2nd 60 deg segment | 14JUN05 | 20' | 11JUL05 | 410 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-321 | Join two pieces | 12JUL05 | 16' | 02AUG05 | 410 | | 0.00 | 375,000.00 | 48=\$375k | | | | | | | | | | | |
| 121-135 | S005243 #8-One VVSA fabricated | | 0 | 02AUG05* | 1,077 | | 0.00 | 0.00 | Contract Milestone Payment \$375 (ref only) | | | | | | | | | | | |
| VVSA-331 | Machine for Ports | 03AUG05 | 12' | 18AUG05 | 410 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-341 | Weld Ports | 23AUG05* | 19' | 16SEP05 | 408 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-351 | Final Machine (not required) | 19SEP05 | 14 | 06OCT05 | 408 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-361 | Vacuum Test | 07OCT05 | 12' | 24OCT05 | 408 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-371 | Cut Off Ports | 25OCT05 | 9' | 04NOV05 | 408 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-381 | Pack for Shipping LI#4 | 07NOV05 | 5' | 11NOV05 | 408 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-391 | Receive at PPPL | 14NOV05 | 3 | 16NOV05 | 408 | | 0.00 | 375,560.00 | 48=\$375.56k | | | | | | | | | | | |
| 121-150 | S005243 #11-Receipt/Acceptance of 1st VVSA | | 0 | 16NOV05* | 1,001 | | 0.00 | 0.00 | Contract Milestone Payment\$375.56 (ref only) | | | | | | | | | | | |
| Second 120 deg segment | | | | | | | | | | | | | | | | | | | | |
| VVSA-401 | 60 deg segment | 08JUL05* | 16 | 29JUL05 | 470 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-411 | 60 deg segment | 01AUG05 | 13 | 17AUG05 | 470 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-421 | Join two pieces | 18AUG05 | 15 | 07SEP05 | 470 | | 0.00 | 350,000.00 | 48=\$350k | | | | | | | | | | | |
| 121-140 | S005243 #9-Second VVSA fabricated | | 0 | 07SEP05* | 1,051 | | 0.00 | 0.00 | Contract Milestone Payment\$350 (ref only) | | | | | | | | | | | |
| VVSA-431 | Machine for Ports | 08SEP05 | 20 | 05OCT05 | 470 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-441 | Weld Ports | 06OCT05 | 25 | 09NOV05 | 470 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-451 | Final Machine (not Required) | 10NOV05 | 0 | 09NOV05 | 470 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-461 | Vacuum Test | 10NOV05 | 10 | 23NOV05 | 470 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-471 | Cut Off Ports | 24NOV05 | 15 | 14DEC05 | 470 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-481 | Pack for Shipping LI#4 | 15DEC05 | 4 | 20DEC05 | 470 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-491 | Receive at PPPL | 21DEC05 | 2 | 22DEC05 | 470 | | 0.00 | 375,000.00 | 48=\$375k | | | | | | | | | | | |
| 121-155 | S005243 #12-Receipt /Acceptance of 2nd VVSA | | 0 | 22DEC05* | 975 | | 0.00 | 0.00 | Contract Milestone Payment 375 (ref only) | | | | | | | | | | | |
| Third 120 deg segment | | | | | | | | | | | | | | | | | | | | |
| VVSA-501 | 60 deg segment | 10AUG05* | 21 | 07SEP05 | 541 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-511 | 60 deg segment | 08SEP05 | 13 | 26SEP05 | 541 | | 0.00 | 0.00 | | | | | | | | | | | | |
| VVSA-521 | Join two pieces | 27SEP05 | 15 | 17OCT05 | 541 | | 0.00 | 350,000.00 | 48=\$350k | | | | | | | | | | | |
| 121-145 | S005243 #10-Third VVSA fabricated | | 0 | 17OCT05 | 1,023 | | 0.00 | 0.00 | Contract Milestone Payment\$350 (ref only) | | | | | | | | | | | |
| VVSA-531 | Machine for Ports | 18OCT05 | 18 | 10NOV05 | 541 | | 0.00 | 0.00 | | | | | | | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|-------------------------------------|---|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|---|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| VVSA-541 | Weld Ports | 11NOV05 | 25 | 15DEC05 | 541 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| VVSA-551 | Final Machine (not required) | 16DEC05 | 0 | 15DEC05 | 541 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| VVSA-561 | Vacuum Test | 16DEC05 | 10 | 29DEC05 | 541 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| VVSA-571 | Cut Off Ports | 30DEC05 | 15 | 19JAN06 | 541 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| VVSA-581 | Pack for Shipping LI#4 | 20JAN06 | 3 | 24JAN06 | 541 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| VVSA-591 | Receive at PPPL | 25JAN06 | 2 | 26JAN06 | 541 | | 0.00 | 375,000.00 | [Gantt bar] | | | | | | | | | | | |
| 121-160 | S005243 #13-Receipt/Acceptance of 3rd VVSA | | 0 | 26JAN06* | 950 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 121-038.1 | All Vacuum Vessel Sections (3) Delivered | | 0 | 26JAN06 | 541 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| Ship Tooling | | | | | | | | | | | | | | | | | | | | |
| VVSA-601 | Pack Tooling for PPPL | 25JAN06 | 5 | 31JAN06 | 943 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| VVSA-611 | PPPL Receive Tooling | 01FEB06 | 4 | 06FEB06 | 943 | | 0.00 | 486,000.00 | [Gantt bar] | | | | | | | | | | | |
| 121-165 | S005243 #14-Deliviefy of tooling,dies,fixtures | | 0 | 06FEB06* | 943 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 121-034 | VVSA Title III engr | 01MAR05A | 440' | 22NOV06 | 727 | LOE | 3,826.22 | 73,581.15 | [Gantt bar] Goranson 15%=448hrshrs | | | | | | | | | | | |
| 121-035 | VVSA Contract oversight FY05 & FY06 | 01MAR05A | 231' | 31JAN06 | 936 | LOE | 25,900.58 | 259,005.79 | [Gantt bar] Viola 85%=1304hrs 35=\$24k | | | | | | | | | | | |
| 121-035.1 | ORNL fesign support during MTM Contract | 01MAR05A | 231' | 31JAN06 | 936 | LOE | 3,193.71 | 31,937.06 | [Gantt bar] ORNL Jones=200 hrs | | | | | | | | | | | |
| 121-036 | Ship vac equip from PPPL to MTM for vac testing | 08JUL05* | 15 | 28JUL05 | 441 | | 0.00 | 2,562.00 | [Gantt bar] m&s=\$2k | | | | | | | | | | | |
| 121-037 | Purchase seals and ship to MTM | 01APR05 | 65 | 01JUL05 | 459 | | 0.00 | 33,680.00 | [Gantt bar] ORNL m&s=\$31.2 k; ornlem=16hrs | | | | | | | | | | | |
| 121-038 | assist MTM testing of VVSA | 07OCT05 | 54' | 23DEC05 | 526 | | 0.00 | 18,835.20 | [Gantt bar] provost=160hrs | | | | | | | | | | | |
| 13 - Conventional Coils | | | | | | | | | | | | | | | | | | | | |
| Job: 1301 - TF Design-KALISH | | | | | | | | | | | | | | | | | | | | |
| Final Design | | | | | | | | | | | | | | | | | | | | |
| 133-010 | Design WBS 134 Conv Coil I&C | 01MAR05A | 44' | 29APR05 | 415 | 10 | 1,322.00 | 13,220.00 | [Gantt bar] Kalish =80 ; | | | | | | | | | | | |
| 1301FD-01 | TF Detailed Drawings | 01MAR05A | 44' | 29APR05 | 417 | 90 | 17,847.00 | 19,830.00 | [Gantt bar] RUSHINSKI =120 | | | | | | | | | | | |
| 1301FD-02 | Develop Subassembly Process | 01MAR05A | 44' | 29APR05 | 416 | 50 | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 1301FD-03 | Layout Subassembly Fixture | 08APR05 | 16' | 29APR05 | 1,123 | | 0.00 | 5,288.00 | [Gantt bar] RUSHINSKI =32 | | | | | | | | | | | |
| 1301FD-04 | Final Drawing Check | 01MAR05A | 44' | 29APR05 | 417 | 10 | 661.00 | 6,610.00 | [Gantt bar] RUSHINSKI =40 | | | | | | | | | | | |
| 1301FD-05 | Anaylsis Check | 01MAR05A | 44' | 29APR05 | 416 | 10 | 2,644.00 | 26,440.00 | [Gantt bar] Dahlgren=160 | | | | | | | | | | | |
| 1301FD-06 | Complete ICDs | 01MAR05A | 44' | 29APR05 | 416 | 50 | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 1301FD-07 | TF FDR Preperations | 27APR05 | 4 | 02MAY05 | 416 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 1301FD-08 | Resolove PDR Chits | 01MAR05A | 43' | 28APR05 | 417 | 75 | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 1301FD-15 | Lead Transition Stress Analysis | 01MAR05A | 34' | 15APR05 | 426 | 80 | 4,099.20 | 5,124.00 | [Gantt bar] Myatt=32hrs | | | | | | | | | | | |
| 1301FD-17 | Resolve Tolerance Issues | 01MAR05A | 28' | 07APR05 | 1,123 | 75 | 4,957.50 | 6,610.00 | [Gantt bar] RUSHINSKI =40 | | | | | | | | | | | |
| 1301FD-20 | Test 1st Sample | 01MAR05A | 39' | 22APR05 | 417 | 10 | 2,116.20 | 21,162.00 | [Gantt bar] m&s=2 | | | | | | | | | | | |
| 1301FD-21 | Test 2nd Sample | 25APR05 | 3 | 27APR05 | 417 | | 0.00 | 21,162.00 | [Gantt bar] m&s=2 | | | | | | | | | | | |
| 1301FD-22 | Evaluate Results | 28APR05 | 2 | 29APR05 | 417 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 1301FD-50 | Engineering | 01APR05* | 21' | 29APR05 | 417 | | 0.00 | 49,575.00 | [Gantt bar] KALISH=300 | | | | | | | | | | | |
| 1301R-37 | Prepare Coil Spec | 01MAR05A | 37' | 20APR05 | 1,125 | 10 | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 1301R-31 | Review and Approve Coil Spec | 21APR05* | 5 | 27APR05 | 1,125 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 131-012 | WBS 13 TF FDR | | 0 | 02MAY05* | 414 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |

Run Date 27APR05 09:15

■ proposed new baseline
■ Progress Bar
■ Critical Activity

0503

NCSX
ECPxx
NEW PROPOSED BASELINE

Sheet 4 of 42

completed tasks not shown

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|--|--|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|--|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| Job: 1302 - PF and CS Design -KALISH | | | | | | | | | | | | | | | | | | | | |
| 1302-PF | PF& CS Support Preliminary Design | 02OCT06* | 50 | 12DEC06 | 175 | | 0.00 | 87,148.48 | [Bar] kalish=220; rushinski=132; dahlgren=112 | | | | | | | | | | | |
| 141-012 | PF & CS Sprt PDR | | 0 | 12DEC06 | 175 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 1302-CSS | PF & CS Support Final Design | 13DEC06 | 75 | 04APR07 | 175 | | 0.00 | 166,032.88 | [Bar] kalish=220; rushinski=468; dahlgren=196 | | | | | | | | | | | |
| 1301-137 | PF & CS Support FDR | | 0 | 04APR07 | 175 | | 0.00 | 0.00 | | | | | | | | | | | | |
| Job: 1350 TF Coil Fab Preparation-CHRZANOWSKI | | | | | | | | | | | | | | | | | | | | |
| 1350-100 | Design tooling & winding facility | 01MAR05A | 152* | 30SEP05 | 1,015 | 5 | 6,064.20 | 121,284.00 | [Bar] designer =720 ; chrzanowski =288hr ; | | | | | | | | | | | |
| 1350-500 | Recondition turnkng fixture | 21MAR05A | 88* | 22JUL05 | 1,065 | 5 | 1,661.61 | 33,232.20 | [Bar] EM//TB =360hr ; 41=05\$k ; | | | | | | | | | | | |
| 1350-505 | Winding Clamps | 06JUN05* | 84* | 30SEP05 | 1,015 | | 0.00 | 20,768.20 | [Bar] EM//TB =80hr ; EM//SM =80hr ; 41=05\$k ; | | | | | | | | | | | |
| 1350-510 | Taping Machine Conditioning | 13JUN05* | 69* | 16SEP05 | 1,025 | | 0.00 | 27,656.20 | [Bar] EM//TB =160hr ; EM//SM =80hr ; EE//TB =80hr ; 41=01\$k ; | | | | | | | | | | | |
| 1350-515 | Winding mandrel | 06JUN05* | 84* | 30SEP05 | 1,015 | | 0.00 | 30,930.60 | [Bar] EM//TB =160hr ; EM//SM =120hr ; 41=05\$k ; | | | | | | | | | | | |
| 1350-520 | Misc tools & equipt | 06JUN05* | 84* | 30SEP05 | 1,015 | | 0.00 | 3,843.00 | [Bar] 41=03\$k ; | | | | | | | | | | | |
| 1350-525 | TF mold (2) | 20JUN05* | 96* | 01NOV05 | 993 | | 0.00 | 79,690.05 | [Bar] EM//TB =360hr ; EM//SM =360hr ; 41=10\$k ; | | | | | | | | | | | |
| 1350-600 | Build Cleanroom | 28MAR05A | 83* | 22JUL05 | 1,015 | 5 | 1,891.50 | 37,829.96 | [Bar] EM//TB =220hr ; EM//SM =148hr ; 41=05\$k ; | | | | | | | | | | | |
| 1350-605 | Install winding table | 25JUL05* | 50* | 30SEP05 | 1,015 | | 0.00 | 24,655.80 | [Bar] EM//TB =144hr ; EM//SM =96hr ; 41=03\$k ; | | | | | | | | | | | |
| 1350-610 | Setup copper delivery system | 05SEP05* | 20* | 30SEP05 | 1,015 | | 0.00 | 9,850.12 | [Bar] EM//TB =58hr ; EM//SM =38hr ; 41=01\$k ; | | | | | | | | | | | |
| 1350-615 | Install taping machine | 05SEP05* | 20* | 30SEP05 | 1,015 | | 0.00 | 9,850.12 | [Bar] EM//TB =58hr ; EM//SM =38hr ; 41=01\$k ; | | | | | | | | | | | |
| 1350-620 | Complete setup of facility | | 0 | 30SEP05 | 1,015 | | 0.00 | 0.00 | | | | | | | | | | | | |
| Job: 1351 - TF Coil Fabrication-KALISH | | | | | | | | | | | | | | | | | | | | |
| TF Fabrication Oversight | | | | | | | | | | | | | | | | | | | | |
| 131-031 | Title III engr (FDR through 1st coil test 75%) | 03MAY05 | 199* | 20FEB06 | 852 | | 0.00 | 180,590.26 | [Bar] Kalish=1039 75% | | | | | | | | | | | |
| 131-032 | Title III engr (completion of coils 10%) | 13FEB06 | 518* | 07MAR08 | 125 | | 0.00 | 62,942.22 | [Bar] Kalish=335 10% | | | | | | | | | | | |
| 131-033 | Winding operations field oversight | 03MAY05 | 711* | 07MAR08 | 340 | | 0.00 | 32,995.66 | [Bar] meighan=280 | | | | | | | | | | | |
| TF Materials & Supplies | | | | | | | | | | | | | | | | | | | | |
| 1351-524 | Prep specifications& requisitions for supplies | 03MAY05 | 65 | 03AUG05 | 1,057 | | 0.00 | 0.00 | [Bar] | | | | | | | | | | | |
| 1351-525 | Coil Supplies- Insulation | 03MAY05 | 65 | 03AUG05 | 509 | | 0.00 | 102,480.00 | [Bar] m&s=\$80k | | | | | | | | | | | |
| 1351-527 | Coil Supplies- Epoxy | 15DEC05 | 548* | 26FEB08 | 128 | | 0.00 | 85,394.89 | [Bar] m&s=\$60k | | | | | | | | | | | |
| 1351-529 | Coil Supplies- Copper Conductor | 03MAY05 | 130 | 02NOV05 | 416 | | 0.00 | 131,468.31 | [Bar] m&s=\$88.89k (for 20 coils) | | | | | | | | | | | |
| 1351-531 | Coil Supplies- G-11 fillers | 03MAY05 | 130 | 02NOV05 | 426 | | 0.00 | 62,841.51 | [Bar] machinist=480; em//tb=80;m&s=\$4k | | | | | | | | | | | |
| 1351-533 | Coil Supplies- Lead Blocks | 03MAY05 | 130 | 02NOV05 | 426 | | 0.00 | 24,650.09 | [Bar] machinist=144;em//tb=40;m&s=\$4.68k | | | | | | | | | | | |
| 1351-535 | Coil Supplies- Safety & PPE equipt & supplies | 03MAY05 | 88 | 05SEP05 | 468 | | 0.00 | 10,248.00 | [Bar] m&s=\$8k | | | | | | | | | | | |
| 1351-537 | Coil Supplies- Misc supplies | 03MAY05 | 88 | 05SEP05 | 468 | | 0.00 | 10,248.00 | [Bar] m&s=\$8k | | | | | | | | | | | |
| 1351-539 | Coil Supplies- Primer | 03MAY05 | 88 | 05SEP05 | 468 | | 0.00 | 10,248.00 | [Bar] m&s=\$8k | | | | | | | | | | | |
| 1351-541 | VPI Supplies- Misc VPI supplies | 23AUG05 | 88 | 03JAN06 | 416 | | 0.00 | 11,310.00 | [Bar] m&s=\$8k | | | | | | | | | | | |
| 1351-543 | VPI Supplies- Disposable VPI HW | 27JUL05 | 107 | 03JAN06 | 416 | | 0.00 | 82,997.46 | [Bar] em//tb=432; m&s=\$35k | | | | | | | | | | | |
| TF Braze Qualification | | | | | | | | | | | | | | | | | | | | |
| 1351-512 | Prepare braze samples | 03MAY05 | 15 | 23MAY05 | 496 | | 0.00 | 8,401.60 | [Bar] machinist=80 | | | | | | | | | | | |

Run Date 27APR05 09:15



0503

**NCSX
ECPxx
NEW PROPOSED BASELINE**

Sheet 5 of 42

completed tasks not shown

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|---|--------------------------|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|-------------|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 1351-513 | Develop braze techniques | 24MAY05 | 15 | 14JUN05 | 496 | | 0.00 | 4,471.20 | em//tb=60 | | | | | | | | | | | |
| 1351-514 | Braze conductor samples | 15JUN05 | 15 | 06JUL05 | 496 | | 0.00 | 4,471.20 | em//tb=60 | | | | | | | | | | | |
| 1351-515 | Test brazed samples | 07JUL05 | 15 | 27JUL05 | 496 | | 0.00 | 8,401.60 | em//sm=80 | | | | | | | | | | | |
| Conductor Prep | | | | | | | | | | | | | | | | | | | | |
| 1351-547 | Conductor Preparation | 03NOV05 | 21 | 05DEC05 | 416 | | 0.00 | 28,069.44 | em//tb=336 | | | | | | | | | | | |
| Coil Winding | | | | | | | | | | | | | | | | | | | | |
| 1351-549 | Wind Coil #1 | 17NOV05 | 18 | 14DEC05 | 416 | | 0.00 | 24,727.84 | em//tb=296 | | | | | | | | | | | |
| 1351-551 | Wind Coil #2 | 24JAN06 | 10 | 06FEB06 | 416 | | 0.00 | 12,029.76 | em//tb=144 | | | | | | | | | | | |
| 1351-553 | Wind Coil #3 | 06APR06* | 10 | 19APR06 | 374 | | 0.00 | 12,029.76 | em//tb=144 | | | | | | | | | | | |
| 1351-555 | Wind Coil #4 | 20APR06 | 10 | 03MAY06 | 374 | | 0.00 | 12,029.76 | em//tb=144 | | | | | | | | | | | |
| 1351-557 | Wind Coil #5 | 02OCT06* | 10 | 13OCT06 | 269 | | 0.00 | 12,307.68 | em//tb=144 | | | | | | | | | | | |
| 1351-559 | Wind Coil #6 | 16OCT06 | 10 | 27OCT06 | 269 | | 0.00 | 13,675.20 | em//tb=144 | | | | | | | | | | | |
| 1351-561 | Wind Coil #7 | 03JAN07* | 10 | 16JAN07 | 267 | | 0.00 | 12,307.68 | em//tb=144 | | | | | | | | | | | |
| 1351-563 | Wind Coil #8 | 17JAN07 | 10 | 30JAN07 | 267 | | 0.00 | 12,307.68 | em//tb=144 | | | | | | | | | | | |
| 1351-565 | Wind Coil #9 | 28MAR07* | 10 | 10APR07 | 227 | | 0.00 | 12,307.68 | em//tb=144 | | | | | | | | | | | |
| 1351-567 | Wind Coil #10 | 11APR07 | 10 | 24APR07 | 227 | | 0.00 | 12,307.68 | em//tb=144 | | | | | | | | | | | |
| 1351-569 | Wind Coil #11 | 25JUN07* | 10 | 06JUL07 | 185 | | 0.00 | 12,307.68 | em//tb=144 | | | | | | | | | | | |
| 1351-571 | Wind Coil #12 | 09JUL07 | 10 | 20JUL07 | 185 | | 0.00 | 12,307.68 | em//tb=144 | | | | | | | | | | | |
| 1351-573 | Wind Coil #13 | 23AUG07* | 10 | 05SEP07 | 171 | | 0.00 | 12,307.68 | em//tb=144 | | | | | | | | | | | |
| 1351-575 | Wind Coil #14 | 06SEP07 | 10 | 19SEP07 | 171 | | 0.00 | 12,307.68 | em//tb=144 | | | | | | | | | | | |
| 1351-577 | Wind Coil #15 | 20NOV07* | 10 | 05DEC07 | 128 | | 0.00 | 12,751.20 | em//tb=144 | | | | | | | | | | | |
| 1351-579 | Wind Coil #16 | 06DEC07 | 10 | 19DEC07 | 128 | | 0.00 | 12,751.20 | em//tb=144 | | | | | | | | | | | |
| 1351-581 | Wind Coil #17 | 20DEC07 | 10 | 11JAN08 | 128 | | 0.00 | 12,751.20 | em//tb=144 | | | | | | | | | | | |
| 1351-583 | Wind Coil #18 | 14JAN08 | 10 | 25JAN08 | 128 | | 0.00 | 12,751.20 | em//tb=144 | | | | | | | | | | | |
| Ground Wrap & Mold Application | | | | | | | | | | | | | | | | | | | | |
| 1351-649 | GW & Apply Mold Coil #1 | 15DEC05 | 8 | 03JAN06 | 416 | | 0.00 | 13,366.40 | em//tb=160 | | | | | | | | | | | |
| 1351-651 | GW & Apply Mold Coil #2 | 07FEB06 | 6 | 14FEB06 | 426 | | 0.00 | 6,683.20 | em//tb=80 | | | | | | | | | | | |
| 1351-653 | GW & Apply Mold Coil #3 | 20APR06 | 6 | 27APR06 | 382 | | 0.00 | 6,683.20 | em//tb=80 | | | | | | | | | | | |
| 1351-655 | GW & Apply Mold Coil #4 | 04MAY06 | 6 | 11MAY06 | 378 | | 0.00 | 6,683.20 | em//tb=80 | | | | | | | | | | | |
| 1351-657 | GW & Apply Mold Coil #5 | 16OCT06 | 6 | 23OCT06 | 273 | | 0.00 | 6,837.60 | em//tb=80 | | | | | | | | | | | |
| 1351-659 | GW & Apply Mold Coil #6 | 30OCT06 | 6 | 06NOV06 | 269 | | 0.00 | 6,837.60 | em//tb=80 | | | | | | | | | | | |
| 1351-661 | GW & Apply Mold Coil #7 | 17JAN07 | 6 | 24JAN07 | 279 | | 0.00 | 6,837.60 | em//tb=80 | | | | | | | | | | | |
| 1351-663 | GW & Apply Mold Coil #8 | 31JAN07 | 6 | 07FEB07 | 275 | | 0.00 | 6,837.60 | em//tb=80 | | | | | | | | | | | |
| 1351-665 | GW & Apply Mold Coil #9 | 11APR07 | 6 | 18APR07 | 235 | | 0.00 | 6,837.60 | em//tb=80 | | | | | | | | | | | |
| 1351-667 | GW & Apply Mold Coil #10 | 25APR07 | 6 | 02MAY07 | 231 | | 0.00 | 6,837.60 | em//tb=80 | | | | | | | | | | | |
| 1351-669 | GW & Apply Mold Coil #11 | 09JUL07 | 6 | 16JUL07 | 189 | | 0.00 | 6,837.60 | em//tb=80 | | | | | | | | | | | |
| 1351-671 | GW & Apply Mold Coil #12 | 23JUL07 | 6 | 30JUL07 | 185 | | 0.00 | 6,837.60 | em//tb=80 | | | | | | | | | | | |
| 1351-673 | GW & Apply Mold Coil #13 | 06SEP07 | 6 | 13SEP07 | 183 | | 0.00 | 6,837.60 | em//tb=80 | | | | | | | | | | | |
| 1351-675 | GW & Apply Mold Coil #14 | 20SEP07 | 6 | 27SEP07 | 179 | | 0.00 | 6,837.60 | em//tb=80 | | | | | | | | | | | |
| 1351-677 | GW & Apply Mold Coil #15 | 06DEC07 | 6 | 13DEC07 | 136 | | 0.00 | 7,084.00 | em//tb=80 | | | | | | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart (FY05-FY09) | | | | | | | | | | | | | |
|--|-----------------------------------|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|-------------------------|------|------|------|------|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | | | |
| 1351-679 | GW & Apply Mold Coil #16 | 20DEC07 | 6 | 07JAN08 | 132 | | 0.00 | 7,084.00 | | | | | | | | | | | | | | |
| 1351-681 | GW & Apply Mold Coil #17 | 14JAN08 | 6 | 21JAN08 | 132 | | 0.00 | 7,084.00 | | | | | | | | | | | | | | |
| 1351-683 | GW & Apply Mold Coil #18 | 28JAN08 | 6 | 04FEB08 | 128 | | 0.00 | 7,084.00 | | | | | | | | | | | | | | |
| VPI | | | | | | | | | | | | | | | | | | | | | | |
| 1351-751 | VPI Coil #1 | 04JAN06 | 14 | 23JAN06 | 416 | | 0.00 | 13,032.24 | | | | | | | | | | | | | | |
| 1351-752 | VPI Coil #2 | 15FEB06 | 14 | 06MAR06 | 426 | | 0.00 | 13,032.24 | | | | | | | | | | | | | | |
| 1351-755 | VPI Coil #3 & #4 | 12MAY06 | 16 | 05JUN06 | 378 | | 0.00 | 26,064.48 | | | | | | | | | | | | | | |
| 1351-759 | VPI Coil #5 & #6 | 07NOV06 | 16 | 30NOV06 | 269 | | 0.00 | 26,666.64 | | | | | | | | | | | | | | |
| 1351-763 | VPI Coil #7 & #8 | 08FEB07 | 16 | 01MAR07 | 275 | | 0.00 | 26,666.64 | | | | | | | | | | | | | | |
| 1351-767 | VPI Coil #9 & #10 | 03MAY07 | 16 | 24MAY07 | 231 | | 0.00 | 26,666.64 | | | | | | | | | | | | | | |
| 1351-771 | VPI Coil #11 & #12 | 31JUL07 | 16 | 21AUG07 | 185 | | 0.00 | 26,666.64 | | | | | | | | | | | | | | |
| 1351-775 | VPI Coil #13 & #14 | 28SEP07 | 16 | 19OCT07 | 179 | | 0.00 | 27,567.54 | | | | | | | | | | | | | | |
| 1351-779 | VPI Coil #15 & #16 | 08JAN08 | 16 | 29JAN08 | 132 | | 0.00 | 27,627.60 | | | | | | | | | | | | | | |
| 1351-783 | VPI Coil #17 & #18 | 05FEB08 | 16 | 26FEB08 | 128 | | 0.00 | 27,627.60 | | | | | | | | | | | | | | |
| Electrical Test (warm before casting instl) | | | | | | | | | | | | | | | | | | | | | | |
| 1351-848 | Prep & setup for warm test | 19DEC05 | 20 | 23JAN06 | 466 | | 0.00 | 9,417.60 | | | | | | | | | | | | | | |
| 1351-849 | Warm Test Coil #1 | 24JAN06 | 2 | 25JAN06 | 466 | | 0.00 | 1,336.64 | | | | | | | | | | | | | | |
| 1351-851 | Warm Test Coil #2 | 07MAR06 | 2 | 08MAR06 | 448 | | 0.00 | 1,336.64 | | | | | | | | | | | | | | |
| 1351-853 | Warm Test Coil #3 | 06JUN06 | 2 | 07JUN06 | 387 | | 0.00 | 1,336.64 | | | | | | | | | | | | | | |
| 1351-855 | Warm Test Coil #4 | 08JUN06 | 2 | 09JUN06 | 389 | | 0.00 | 1,336.64 | | | | | | | | | | | | | | |
| 1351-857 | Warm Test Coil #5 | 01DEC06 | 2 | 04DEC06 | 269 | | 0.00 | 1,367.52 | | | | | | | | | | | | | | |
| 1351-859 | Warm Test Coil #6 | 05DEC06 | 2 | 06DEC06 | 270 | | 0.00 | 1,367.52 | | | | | | | | | | | | | | |
| 1351-861 | Warm Test Coil #7 | 02MAR07 | 2 | 05MAR07 | 293 | | 0.00 | 1,367.52 | | | | | | | | | | | | | | |
| 1351-863 | Warm Test Coil #8 | 06MAR07 | 2 | 07MAR07 | 294 | | 0.00 | 1,367.52 | | | | | | | | | | | | | | |
| 1351-865 | Warm Test Coil #9 | 25MAY07 | 2 | 29MAY07 | 239 | | 0.00 | 1,367.52 | | | | | | | | | | | | | | |
| 1351-867 | Warm Test Coil #10 | 30MAY07 | 2 | 31MAY07 | 242 | | 0.00 | 1,367.52 | | | | | | | | | | | | | | |
| 1351-869 | Warm Test Coil #11 | 22AUG07 | 2 | 23AUG07 | 185 | | 0.00 | 1,367.52 | | | | | | | | | | | | | | |
| 1351-871 | Warm Test Coil #12 | 24AUG07 | 2 | 27AUG07 | 186 | | 0.00 | 1,367.52 | | | | | | | | | | | | | | |
| 1351-873 | Warm Test Coil #13 | 22OCT07 | 2 | 23OCT07 | 197 | | 0.00 | 1,416.80 | | | | | | | | | | | | | | |
| 1351-875 | Warm Test Coil #14 | 24OCT07 | 2 | 25OCT07 | 198 | | 0.00 | 1,416.80 | | | | | | | | | | | | | | |
| 1351-877 | Warm Test Coil #15 | 30JAN08 | 2 | 31JAN08 | 140 | | 0.00 | 1,416.80 | | | | | | | | | | | | | | |
| 1351-879 | Warm Test Coil #16 | 01FEB08 | 2 | 04FEB08 | 143 | | 0.00 | 1,416.80 | | | | | | | | | | | | | | |
| 1351-881 | Warm Test Coil #17 | 27FEB08 | 2 | 28FEB08 | 128 | | 0.00 | 1,416.80 | | | | | | | | | | | | | | |
| 1351-883 | Warm Test Coil #18 | 29FEB08 | 2 | 03MAR08 | 129 | | 0.00 | 1,416.80 | | | | | | | | | | | | | | |
| TF Wedge Casting | | | | | | | | | | | | | | | | | | | | | | |
| 1351-85A | Prep Spec and Req for TF castings | 15JUN05 | 10 | 28JUN05 | 508 | | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 1351-85B | Bid & Award TF Castings | 29JUN05 | 40 | 24AUG05 | 508 | | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 1351-85C | Award TF Castings | | 0 | 24AUG05* | 508 | | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 1351-85D | Vendor Fab TF Castings | 25AUG05 | 66 | 28NOV05 | 508 | | 0.00 | 273,879.00 | | | | | | | | | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|---|---|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|--------------------------|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 1403-20.2 | Resolve FDR chits | 01JUN05* | 11 | 15JUN05 | 170 | | 0.00 | 6,200.00 | 40 hrs | | | | | | | | | | | |
| 1403-20.03 | ISSUE CLAMP, INSTR, & TOP ASSY DWGS FOR | 01JUN05 | 11 | 15JUN05 | 192 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 1403-70.05 | Update MIT/QA Plans for Type C Winding Fab | 16JUN05 | 15 | 07JUL05 | 169 | | 0.00 | 6,200.00 | 40 hrs | | | | | | | | | | | |
| 1403-20.1 | Mod Coil Type C Fab Preparedness Review | | 0 | 07JUL05* | 170 | | 0.00 | 0.00 | | | | | | | | | | | | |
| Winding and Assembly Design-Type A | | | | | | | | | | | | | | | | | | | | |
| 1403-319 | MCWF studs, modifications-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-320 | Cladding assembly-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 31,000.00 | HARGROVE =80+120=200hr ; | | | | | | | | | | | |
| 1403-301 | Leads & crossover Dwgs (10)-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-300 | Winding pack assy Dwgs (8)-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | WILLIAMSON =40hr ; | | | | | | | | | | | |
| 1403-321 | Lead ends & closure-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-322 | Terminal assembly-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-304 | Chill Plate Dwgs (66)-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 31,000.00 | HARGROVE =80+120=200hr ; | | | | | | | | | | | |
| 1403-324 | VPI mold assembly 0-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-303 | Clamp Dwgs (5)-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-306 | Cooling, Electr Schematic Dwgs (1)-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | WILLIAMSON =40hr ; | | | | | | | | | | | |
| 1403-308 | I&C Dwgs (1) -Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | WILLIAMSON =40hr ; | | | | | | | | | | | |
| 1403-323 | Top level coil assembly-Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-58A | Check and promote models / drawings -Type A | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | COLE =40hr ; | | | | | | | | | | | |
| 1403-904 | Update cost/sched estimates&Design Basis doc. | 01JUN05* | 42 | 29JUL05 | 143 | | 0.00 | 6,200.00 | Freudenberg =40hr ; | | | | | | | | | | | |
| 1403-900 | Prep FDR Documentation | 25JUL05 | 5 | 29JUL05 | 143 | | 0.00 | 3,100.00 | WILLIAMSON =20hr ; | | | | | | | | | | | |
| 1403-71 | FDR Production Type A Mod Coil Winding | | 0 | 29JUL05* | 143 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 1403-901 | Resolve FDR comments | 01AUG05 | 3 | 03AUG05 | 1,057 | | 0.00 | 3,100.00 | WILLIAMSON =20hr ; | | | | | | | | | | | |
| 1403-902 | Type A product specification | 01AUG05* | 5 | 05AUG05 | 1,045 | | 0.00 | 3,100.00 | WILLIAMSON =20hr ; | | | | | | | | | | | |
| 1403-71.05 | Update MIT/QA Plans for Type A Winding Fab | 08AUG05* | 10 | 19AUG05 | 1,045 | | 0.00 | 3,100.00 | Chrzanowski=20 | | | | | | | | | | | |
| 1403-71.1 | Fab Readiness Review - Production Type A | | 0 | 19AUG05* | 1,045 | | 0.00 | 0.00 | | | | | | | | | | | | |
| Winding and Assembly Design-Type B | | | | | | | | | | | | | | | | | | | | |
| 1403-419 | MCWF studs, modifications-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-420 | Cladding assembly-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 31,000.00 | HARGROVE =80+120=200hr ; | | | | | | | | | | | |
| 1403-401 | Leads & crossover Dwgs (10)-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-400 | Winding pack assy Dwgs (8)-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | WILLIAMSON =40hr ; | | | | | | | | | | | |
| 1403-421 | Lead ends & closure-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-422 | Terminal assembly-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-404 | Chill Plate Dwgs (66)-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 31,000.00 | HARGROVE =80+120=200hr ; | | | | | | | | | | | |
| 1403-424 | VPI mold assembly 0-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-403 | Clamp Dwgs (5)-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-406 | Cooling, Electr Schematic Dwgs (1)-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | WILLIAMSON =40hr ; | | | | | | | | | | | |
| 1403-408 | I&C Dwgs (1) -Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | WILLIAMSON =40hr ; | | | | | | | | | | | |
| 1403-423 | Top level coil assembly-Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | LOVETT =40hr ; | | | | | | | | | | | |
| 1403-58B | Check and promote models / drawings -Type B | 01AUG05* | 45 | 30SEP05 | 202 | | 0.00 | 6,200.00 | COLE =40hr ; | | | | | | | | | | | |

Run Date 27APR05 09:15



0503

NCSX
ECPxx
NEW PROPOSED BASELINE

Sheet 11 of 42

completed tasks not shown

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|---|--|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|-------------|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 1406-01608 | Coil Clamps | 01APR05 | 42 | 31MAY05 | 177 | | 0.00 | 11,529.00 | [Gantt bar] | | | | | | | | | | | |
| 1406-018 | Pre-VPI Press test & Apply bag mold | 11APR05* | 16 | 28APR05 | 228 | | 0.00 | 15,500.16 | [Gantt bar] | | | | | | | | | | | |
| 1406-019 | VPI TRC in autoclave | 29APR05 | 12 | 12MAY05 | 228 | | 0.00 | 24,442.56 | [Gantt bar] | | | | | | | | | | | |
| 1406-019.1 | Instl permanent clamps | 01JUN05 | 9 | 10JUN05 | 213 | | 0.00 | 9,538.56 | [Gantt bar] | | | | | | | | | | | |
| 1406-019.2 | Electrical & Pressure tests | 13JUN05 | 1 | 13JUN05 | 176 | | 0.00 | 1,192.32 | [Gantt bar] | | | | | | | | | | | |
| 1406-020 | Begin Testing of Twisted RT in Coil test Stand | 14JUN05 | 0 | | 177 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 1406-021 | Test Coil | 14JUN05 | 5 | 20JUN05 | 176 | | 0.00 | 30,844.24 | [Gantt bar] | | | | | | | | | | | |
| 1406-023 | Dissect Coil | 21JUN05 | 5 | 27JUN05 | 176 | | 0.00 | 5,961.60 | [Gantt bar] | | | | | | | | | | | |
| Job: 1412 - Complete Winding Facilities-CHRZANOW | | | | | | | | | | | | | | | | | | | | |
| Remaining fixtures & tooling | | | | | | | | | | | | | | | | | | | | |
| 1412-199 | Complete Winding Facility ACC Review | | 0 | 31MAR05* | 1,138 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 1407-130.1 | Misc tools & equipt FY05 | 01OCT04A | 130 | 13APR05 | 1,129 | 100 | 27,763.16 | 29,820.80 | [Gantt bar] | | | | | | | | | | | |
| 1407-127.1 | Complete Fab Type B casting supports (6) sets | 01OCT04A | 163 | 31MAY05 | 1,096 | 90 | 21,270.99 | 33,235.92 | [Gantt bar] | | | | | | | | | | | |
| Job: 1431 - Modular Coil Local I&C | | | | | | | | | | | | | | | | | | | | |
| 174-035 | Modular Coil local I&C -Procurement | 01JUN05 | 60 | 24AUG05 | 173 | | 0.00 | 17,075.73 | [Gantt bar] | | | | | | | | | | | |
| 174-037 | Modular Coil local I&C -Install | 08SEP05 | 515 | 25SEP07 | 140 | | 0.00 | 68,883.89 | [Gantt bar] | | | | | | | | | | | |
| Job: 1409 - Mod. Coil Test Stand-GETTELFINGER | | | | | | | | | | | | | | | | | | | | |
| Test Stand | | | | | | | | | | | | | | | | | | | | |
| 1409-155 | Fab/Instl Closed Loop LN2 sys | 01DEC04A | 97 | 25APR05 | 204 | 90 | 11,342.16 | 12,602.40 | [Gantt bar] | | | | | | | | | | | |
| 1409-029 | Oversight/Supervision | 01APR04A | 286 | 23MAY05 | 190 | LOE | 30,527.89 | 35,049.24 | [Gantt bar] | | | | | | | | | | | |
| 1409-027 | Cryo Line Installation | 03MAY04A | 244 | 25APR05 | 204 | 60 | 16,682.37 | 27,803.94 | [Gantt bar] | | | | | | | | | | | |
| 1409-141 | Modify Cryostat for TRC | 01APR05* | 31 | 13MAY05 | 190 | | 0.00 | 11,923.20 | [Gantt bar] | | | | | | | | | | | |
| 1409-130 | Cryostat (specimen shroud) dsn | 01APR05* | 31 | 13MAY05 | 1,064 | | 0.00 | 6,416.80 | [Gantt bar] | | | | | | | | | | | |
| 1409-135 | Cryostat (specimen shroud) Fabr & Install | 16MAY05 | 43 | 15JUL05 | 1,064 | | 0.00 | 21,752.40 | [Gantt bar] | | | | | | | | | | | |
| 1409-044 | Final Design & ACC Review | 16MAY05 | 0 | 13MAY05 | 1,107 | 60 | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 1409-028 | System Testing (planar racetrack) | 02MAY05* | 6 | 09MAY05 | 200 | | 0.00 | 17,677.40 | [Gantt bar] | | | | | | | | | | | |
| 1409-160 | Test Closed Loop Cooling | 16MAY05 | 6 | 23MAY05 | 190 | | 0.00 | 2,980.80 | [Gantt bar] | | | | | | | | | | | |
| 1409-165 | Closed Loop Facility Available for TRC | | 0 | 23MAY05 | 190 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| 1409-199 | Closed Loop Facility Available for Production MC | | 0 | 15JUL05* | 1,064 | | 0.00 | 0.00 | [Gantt bar] | | | | | | | | | | | |
| Job: 1413 -MCWF Fracture Analysis-HEITZENROEDER | | | | | | | | | | | | | | | | | | | | |
| 1413-150 | Perform fracture tests (NHMFL) | 01APR05 | 15 | 21APR05 | 1,150 | | 0.00 | 3,996.72 | [Gantt bar] | | | | | | | | | | | |
| Job: 1411-MCWF Fabrication S005242-HEITZENROEDER | | | | | | | | | | | | | | | | | | | | |
| 172-031 | Title III engr | 24MAY04A | 690 | 01MAR07 | 660 | LOE | 53,771.19 | 175,150.48 | [Gantt bar] | | | | | | | | | | | |
| MCWF-001 | EIO Project Mgt. & Reporting | 29OCT04A | 604 | 01MAR07 | 666 | LOE | 158,136.42 | 908,830.00 | [Gantt bar] | | | | | | | | | | | |
| MCWF-011 | Pattern A complete | 29OCT04A | 106 | 01APR05 | 158 | 98 | 288,825.00 | 290,125.00 | [Gantt bar] | | | | | | | | | | | |
| MCWF-021 | Pattern B complete | 01DEC04A | 150 | 01JUL05 | 164 | 15 | 38,268.00 | 255,120.00 | [Gantt bar] | | | | | | | | | | | |
| MCWF-041 | Materials (MetalTek) | 29NOV04A | 352 | 07APR06 | 301 | 67 | 498,982.50 | 744,750.00 | [Gantt bar] | | | | | | | | | | | |
| MCWF-061 | C1-MTM - machining/inspection | 01APR05A | 59 | 22JUN05 | 172 | 10 | 15,491.00 | 154,910.00 | [Gantt bar] | | | | | | | | | | | |

| | | | | | | |
|------------------------------|---------------|--|------|-----------------------|----------------|---------------------------|
| Run Date | 27APR05 09:15 | | 0503 | NCSX ECPxx | Sheet 16 of 42 | completed tasks not shown |
| NEW PROPOSED BASELINE | | | | | | |
| © Primavera Systems, Inc. | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | | | | |
|-------------|-------------------------------|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|-------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | | | | |
| MCWF-071 | C1-Receive at PPPL | | 0 | 23JUN05* | 172 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| C-121.1 | First MCWF C-1 Delivered | | 0 | 23JUN05 | 1,105 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-081 | C2-MTK-casting | 20APR05* | 53* | 01JUL05 | 116 | 10 | 14,081.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-091 | C2-MTM - machining/inspection | 04JUL05 | 64* | 29SEP05 | 116 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-101 | C2-Receive at PPPL | | 0 | 30SEP05* | 116 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-111 | A1-MTK-casting | 20MAY05* | 41* | 15JUL05 | 124 | | 0.00 | 141,000.00 | | | | | | | | | | | | | | | |
| MCWF-121 | A1-MTM - machining/inspection | 18JUL05 | 64* | 13OCT05 | 144 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-131 | A1-Receive at PPPL | | 0 | 18OCT05* | 144 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-141 | C3-MTK-casting | 18JUL05 | 30 | 26AUG05 | 124 | | 0.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-151 | C3-MTM - machining/inspection | 29AUG05 | 65 | 25NOV05 | 130 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-161 | C3-Receive at PPPL | | 0 | 29NOV05 | 130 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-171 | A2-MTK-casting | 29AUG05 | 30 | 07OCT05 | 124 | | 0.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-181 | A2-MTM - machining/inspection | 10OCT05 | 65 | 06JAN06 | 139 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-191 | A2-Receive at PPPL | | 0 | 10JAN06 | 139 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-201 | C4-MTK-casting | 10OCT05 | 30 | 18NOV05 | 124 | | 0.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-211 | C4-MTM - machining/inspection | 21NOV05 | 63 | 15FEB06 | 127 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-221 | C4-Receive at PPPL | | 0 | 20FEB06 | 127 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-231 | B1-MTK-casting | 21NOV05 | 30 | 30DEC05 | 124 | | 0.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-241 | B1-MTM - machining/inspection | 02JAN06 | 65 | 31MAR06 | 131 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-251 | B1-Receive at PPPL | | 0 | 03APR06 | 131 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-261 | C5-MTK-casting | 02JAN06 | 20 | 27JAN06 | 124 | | 0.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-261B | A4-MTK-ba task 271,291,301 | 01SEP05* | 21* | 30SEP05 | 1,010 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-271 | C5-MTM - machining/inspection | 30JAN06 | 65 | 28APR06 | 124 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-281 | C5-Receive at PPPL | | 0 | 03MAY06 | 124 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-291 | C6-MTK-casting | 30JAN06 | 20 | 24FEB06 | 139 | | 0.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-301 | C6-MTM - machining/inspection | 27FEB06 | 65 | 26MAY06 | 139 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-311 | C6-Receive at PPPL | | 0 | 31MAY06 | 139 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-321 | B2-MTK-casting | 27FEB06 | 20 | 24MAR06 | 139 | | 0.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-331 | B2-MTM - machining/inspection | 27MAR06 | 65 | 23JUN06 | 139 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-341 | B2-Receive at PPPL | | 0 | 28JUN06 | 139 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-351 | A3-MTK-casting | 27MAR06 | 20 | 21APR06 | 154 | | 0.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-361 | A3-MTM - machining/inspection | 24APR06 | 65 | 21JUL06 | 159 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-371 | A3-Receive at PPPL | | 0 | 26JUL06 | 159 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-381 | A4-MTK-casting | 24APR06 | 20 | 19MAY06 | 154 | | 0.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-391 | A4-MTM - machining/inspection | 22MAY06 | 65 | 18AUG06 | 154 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-401 | A4-Receive at PPPL | | 0 | 23AUG06 | 154 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| MCWF-411 | A5-MTK-casting | 22MAY06 | 20 | 16JUN06 | 185 | | 0.00 | 140,810.00 | | | | | | | | | | | | | | | |
| MCWF-421 | A5-MTM - machining/inspection | 19JUN06 | 65 | 15SEP06 | 190 | | 0.00 | 154,910.00 | | | | | | | | | | | | | | | |
| MCWF-431 | A5-Receive at PPPL | | 0 | 20SEP06 | 190 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |

NEW PROPOSED BASELINE

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|---|--|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|--|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| P1-011J | Complete Winding First Modular Coil | | 0 | 07SEP05 | 1,027 | | 0.00 | 0.00 | ***** Joule Milestone Q4 9/30/05 ***** | | | | | | | | | | | |
| P1-020 | Instl Chill Plates, Tubing, Bag C1 (Station 2) | 08SEP05 | 22 | 07OCT05 | 163 | | 0.00 | 32,771.96 | EM//TB = 428 hrs | | | | | | | | | | | |
| P2-011 | Wind coil A1 | 14NOV05 | 33 | 09JAN06 | 138 | | 0.00 | 101,584.64 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P2-020 | Instl Chill Plates, Tubing, Bag A1 (Station 2) | 10JAN06 | 15 | 30JAN06 | 138 | | 0.00 | 35,755.12 | EM//TB = 428 hrs | | | | | | | | | | | |
| P3-011 | Wind coil A2 | 01FEB06 | 33 | 17MAR06 | 137 | | 0.00 | 101,584.64 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P3-020 | Instl Chill Plates, Tubing, Bag A2 (Station 2) | 20MAR06 | 22 | 18APR06 | 137 | | 0.00 | 35,755.12 | EM//TB = 428 hrs | | | | | | | | | | | |
| P1-041 | Wind coil B1 | 25APR06 | 33 | 09JUN06 | 133 | | 0.00 | 101,584.64 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P1-050 | Instl Chl Plates, Tubing, Bag B1 (Station 2) | 12JUN06 | 15 | 30JUN06 | 133 | | 0.00 | 35,755.12 | EM//TB = 428 hrs | | | | | | | | | | | |
| P2-041 | Wind coil C6 (station 2) | 03JUL06 | 33 | 17AUG06 | 133 | | 0.00 | 101,584.64 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P2-050 | Instl Chl Plates, Tubing, Bag C6 (Station 2) | 18AUG06 | 22 | 19SEP06 | 133 | | 0.00 | 35,755.12 | EM//TB = 428 hrs | | | | | | | | | | | |
| P3-041 | Wind coil A3 (station 2) | 20SEP06 | 49 | 29NOV06 | 133 | | 0.00 | 103,548.36 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P3-050 | Instl Chl Plates, Tubing, Bag A3 Station 2) | 30NOV06 | 22 | 08JAN07 | 133 | | 0.00 | 36,581.16 | EM//TB = 428 hrs | | | | | | | | | | | |
| P1-071 | Wind coil A5 (station 2)@15% | 09JAN07 | 42 | 07MAR07 | 133 | | 0.00 | 88,375.98 | EM//TB = 1,034 hrs | | | | | | | | | | | |
| P1-080 | Instl Chl Plates, Tubing, Bag A5(Station 2)@15% | 08MAR07 | 19 | 03APR07 | 133 | | 0.00 | 31,111.08 | EM//TB = 364hrs | | | | | | | | | | | |
| P2-071 | Wind coil B3 (station 2)@15% | 04APR07 | 42 | 01JUN07 | 133 | | 0.00 | 88,375.98 | EM//TB = 1,034 hrs | | | | | | | | | | | |
| P2-080 | Instl Chill Plates, Tubing, Bag B3 (Station 2)@15% | 04JUN07 | 19 | 28JUN07 | 133 | | 0.00 | 31,111.08 | EM//TB = 364hrs | | | | | | | | | | | |
| P3-071 | Wind coil B5 (station 2)@15% | 29JUN07 | 42 | 28AUG07 | 141 | | 0.00 | 88,375.98 | EM//TB = 1,034 hrs | | | | | | | | | | | |
| P3-080 | Instl Chill Plates, Tubing, Bag B5 Station 2)@15% | 29AUG07 | 19 | 25SEP07 | 141 | | 0.00 | 31,111.08 | EM//TB = 364hrs | | | | | | | | | | | |
| Station 3-Winding, Instl Chill Plates, Tubing, Bag | | | | | | | | | | | | | | | | | | | | |
| P1-101 | Wind coil C-2(station 3) | 24OCT05* | 33 | 09DEC05 | 108 | | 0.00 | 101,584.64 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P1-110 | Instl Chill Plates, Tubing, Bag C2 (Station 3) | 12DEC05 | 22 | 18JAN06 | 108 | | 0.00 | 35,755.12 | EM//TB = 428 hrs | | | | | | | | | | | |
| P2-101 | Wind coil C-3 (station3) | 19JAN06 | 33 | 06MAR06 | 108 | | 0.00 | 101,584.64 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P2-110 | Instl Chill Plates, Tubing, Bag C3(Station 3) | 07MAR06 | 22 | 05APR06 | 108 | | 0.00 | 35,755.12 | EM//TB = 428 hrs | | | | | | | | | | | |
| P3-101 | Wind coil C4 (station 3) | 06APR06 | 33 | 22MAY06 | 108 | | 0.00 | 101,584.64 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P3-110 | Instl Chill Plates, Tubing, Bag C4 (Station 3) | 23MAY06 | 15 | 13JUN06 | 108 | | 0.00 | 35,755.12 | EM//TB = 428 hrs | | | | | | | | | | | |
| P1-131 | Wind coil C5 (station 3) | 14JUN06 | 33 | 31JUL06 | 108 | | 0.00 | 101,584.64 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P1-140 | Instl Chl Plates, Tubing, Bag C5 Station 3) | 01AUG06 | 15 | 21AUG06 | 108 | | 0.00 | 35,755.12 | EM//TB = 428 hrs | | | | | | | | | | | |
| P2-131 | Wind coil B2 (station3) | 22AUG06 | 33 | 06OCT06 | 108 | | 0.00 | 101,940.23 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P2-140 | Instl Chl Plates, Tubing, Bag B2 (Station 3) | 09OCT06 | 22 | 07NOV06 | 108 | | 0.00 | 36,581.16 | EM//TB = 428 hrs | | | | | | | | | | | |
| P3-131 | Wind coil A4 (station 3) | 08NOV06 | 49 | 25JAN07 | 108 | | 0.00 | 103,931.52 | EM//TB = 1,216 hrs | | | | | | | | | | | |
| P3-140 | Instl Chl Plates, Tubing, Bag A4 (Station 3) | 26JAN07 | 22 | 26FEB07 | 108 | | 0.00 | 36,581.16 | EM//TB = 428 hrs | | | | | | | | | | | |
| P1-161 | Wind coil A6 (station 3)@15% | 27FEB07 | 42 | 25APR07 | 108 | | 0.00 | 88,375.98 | EM//TB = 1,034 hrs | | | | | | | | | | | |
| P1-170 | Instl Chill Plates, Tubing, Bag A6Station 3)@15% | 26APR07 | 19 | 22MAY07 | 108 | | 0.00 | 31,111.08 | EM//TB = 364 hrs | | | | | | | | | | | |
| P2-161 | Wind coil B4 (station 3)@15% | 23MAY07 | 42 | 23JUL07 | 108 | | 0.00 | 88,375.98 | EM//TB = 1,034 hrs | | | | | | | | | | | |
| P2-170 | Instl Chill Plates, Tubing, Bag B4Station3)@15% | 24JUL07 | 19 | 17AUG07 | 108 | | 0.00 | 31,111.08 | EM//TB = 364 hrs | | | | | | | | | | | |
| P3-161 | Wind coil B6 (station 3)@15% | 20AUG07 | 42 | 17OCT07 | 125 | | 0.00 | 89,361.73 | EM//TB = 1,034 hrs | | | | | | | | | | | |
| P3-170 | Instl Chill Plates, Tubing, Bag B6Station3)@15% | 18OCT07 | 19 | 13NOV07 | 125 | | 0.00 | 32,232.20 | EM//TB = 364 hrs | | | | | | | | | | | |

Run Date 27APR05 09:15



0503

**NCSX
ECPxx
NEW PROPOSED BASELINE**

Sheet 19 of 42

completed tasks not shown

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|--|---|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|---|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| P1-021.1 | Complete First Mod Coil Fabrication C1 | | 0 | 14NOV05 | 439 | | 0.00 | 0.00 | [Gantt Chart] | | | | | | | | | | | |
| P2-021 | Test Coil (Coil Test Stand) A1 | 03MAR06 | 7 | 13MAR06 | 362 | | 0.00 | 31,012.48 | EM/TB=176,EE/TB=72,EE/SM=20,EE/EM=16,EM/EM=28, | | | | | | | | | | | |
| P1-051 | Test Coil (Coil Test Stand) B1 | 31JUL06 | 7 | 08AUG06 | 258 | | 0.00 | 31,012.48 | EM/TB=176,EE/TB=72,EE/SM=20,EE/EM=16,EM/EM=28, | | | | | | | | | | | |
| LOE Oversight & Supervision | | | | | | | | | | | | | | | | | | | | |
| 171-040 | Winding Oversight (LOE) | 02MAY05* | 663 | 21DEC07 | 454 | | 0.00 | 931,799.53 | EA//EM Chrzanowski @ 70%=3244 EA//EM Raftopolous @40%=1843 | | | | | | | | | | | |
| 171-041 | Tech Supervision | 02MAY05* | 707 | 29FEB08 | 410 | | 0.00 | 343,901.41 | EM//SM (Meighan) @ 70%=29 | | | | | | | | | | | |
| TITLE3W | Title III Design-CASTING FAB & WINDING | 01APR05* | 751 | 02APR08 | 387 | | 0.00 | 196,751.20 | WILLIAMSON=908 (20%) travel=\$24k | | | | | | | | | | | |
| 15 - Structures | | | | | | | | | | | | | | | | | | | | |
| Job: 1501 - Structures Design- Kalish | | | | | | | | | | | | | | | | | | | | |
| 1501-FY05 | Prelim Design Structures | 22DEC05 | 65 | 30MAR06 | 177 | | 0.00 | 93,437.13 | kalish=188;rushinski=188;dahlgren=133 | | | | | | | | | | | |
| 1501-PDR | Structures PDR | | 0 | 30MAR06 | 177 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 1501-FD | Final Design Structures | 31MAR06 | 65 | 30JUN06 | 177 | | 0.00 | 93,437.13 | kalish=188;rushinski=188;dahlgren=133 | | | | | | | | | | | |
| 1501-FDR | Structures FDR | | 0 | 30JUN06 | 177 | | 0.00 | 0.00 | | | | | | | | | | | | |
| Job:1500 - Structures Procurement -KALISH | | | | | | | | | | | | | | | | | | | | |
| 1501-245 | Prep Spec,Solicit Bids, and Evaluate Bids | 03JUL06 | 65 | 02OCT06 | 177 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 162-036.9 | Award Coil Support Assy | | 0 | 02OCT06* | 177 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 162-037 | WBS 151Coil Support Assy Procurement [A/1] | 03OCT06 | 249 | 01OCT07 | 177 | | 0.00 | 1,020,858.45 | 41=500\$k; 4E = 313.98 ; 35=02\$k ; | | | | | | | | | | | |
| 162-031 | Title III engr WBS 151 | 03OCT06 | 249 | 01OCT07 | 511 | | 0.00 | 160,613.56 | Kalish=720;ea/dm=218; | | | | | | | | | | | |
| 153.037 | WBS 153 Support Structure I&C Procurement/Fab | 03OCT06* | 249 | 01OCT07 | 511 | | 0.00 | 9,039.07 | em//sm=12;em//tb=48;41=\$2.52 k | | | | | | | | | | | |
| 153.015 | Title III design WBS 153 locall&C | 03OCT06* | 249 | 01OCT07 | 511 | | 0.00 | 963.66 | ; em//sm=8 | | | | | | | | | | | |
| 16 - Coil Services | | | | | | | | | | | | | | | | | | | | |
| 161 - LN2 Distribution | | | | | | | | | | | | | | | | | | | | |
| 191-001 | Title I design WBS 161 LN2 manifolds&piping | 02APR07* | 65 | 02JUL07 | 184 | | 0.00 | 58,172.50 | EA//EM =80hr ; ORNLEM =251hr ; | | | | | | | | | | | |
| 191-011 | Title II design WBS 161 LN2 manifolds&piping | 03JUL07 | 60 | 26SEP07 | 184 | | 0.00 | 116,516.90 | EA//EM =80hr ; ORNLEM =281hr ; | | | | | | | | | | | |
| 191-031 | Title III engr WBS 161 | 27SEP07* | 280 | 06NOV08 | 234 | | 0.00 | 17,009.34 | EA//EM =08hr ; ORNLEM =86hr ; | | | | | | | | | | | |
| 191-037 | Procurement WBS 161 | 27SEP07* | 130 | 07APR08 | 184 | | 0.00 | 74,534.86 | 41=52.95\$k ; | | | | | | | | | | | |
| 191-038 | PDR#17 | 08APR08* | 86 | 07AUG08 | 298 | | 0.00 | 62,458.88 | 41=44.36\$k ; | | | | | | | | | | | |
| 191-041 | LN2 Manifolds & ppg Fab/assy/instl WBS 161 | 08APR08* | 62 | 03JUL08 | 184 | | 0.00 | 34,007.58 | EM//SM =71hr ; EM//TB =284hr ; | | | | | | | | | | | |
| 191-042 | PDR #17,25,3 | 08APR08* | 65 | 09JUL08 | 319 | | 0.00 | 10,839.44 | EM//SM =23hr ; EM//TB =90hr ; | | | | | | | | | | | |
| 162 - Electrical Leads | | | | | | | | | | | | | | | | | | | | |
| 132-000 | PDR #17 & 25 | 01FEB07 | 325 | 15MAY08 | 356 | | 0.00 | 41,583.76 | Williamson =20; ornlrm=200 | | | | | | | | | | | |
| 132-001 | Title I design WBS 162 Coil leads | 01FEB07* | 130 | 03AUG07 | 223 | | 0.00 | 153,159.10 | Williamson =869; ornlrm=20 | | | | | | | | | | | |
| 132-011 | Title II design WBS 162 Coil leads | 06AUG07 | 130 | 14FEB08 | 223 | | 0.00 | 157,521.43 | Williamson=868; ornlrm=20 | | | | | | | | | | | |
| 132-015 | Title III design WBS 162 Coil leads | 15FEB08* | 60 | 08MAY08 | 361 | | 0.00 | 18,540.24 | ORNLEM =98; em//sm=8 | | | | | | | | | | | |
| 132-037 | Coil Leads Procurement WBS 162 | 15FEB08* | 60 | 08MAY08 | 223 | | 0.00 | 314,856.96 | 41=223.6 k | | | | | | | | | | | |
| 163 - Coil Protection System | | | | | | | | | | | | | | | | | | | | |
| 163.001 | Title I design WBS 163 Coil protection | 02OCT06* | 65 | 10JAN07 | 656 | | 0.00 | 43,149.40 | Williamson =82;ornlrm=80;r///rm2=80 | | | | | | | | | | | |
| 163.011 | Title II design WBS 163 Coil protection | 11JAN07 | 40 | 07MAR07 | 656 | | 0.00 | 43,149.40 | Williamson=82;ornlrm=80;r///rm2=80 | | | | | | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|--|--|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|---|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 17 - Cryostat and Base Support Structure | | | | | | | | | | | | | | | | | | | | |
| Job:1701-Cryostat&Base Sprct Strct Dsn-GETTLEFINGER | | | | | | | | | | | | | | | | | | | | |
| 151-001 | Title I design WBS 171 cryostat | 01APR04A | 262* | 19APR05 | 539 | 95 | 119,514.17 | 125,804.39 | gettelfinger =488hr ; Messineo =297hr ; | | | | | | | | | | | |
| 151-002 | Cryostat PDR | | 0 | 19APR05 | 539 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 161-001 | Title I design WBS 172 base support struct | 01APR04A | 291* | 31MAY05 | 396 | 85 | 42,273.30 | 49,733.30 | Messineo =170hr ; gettelfinger =202hr | | | | | | | | | | | |
| 151-003 | Base Support Struct PDR | | 0 | 31MAY05 | 396 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 161-011 | Final Design Base Support Structure WBS 172 | 01JUN05 | 114 | 09NOV05 | 396 | | 0.00 | 62,224.79 | Messineo =170hr; Gettelfinger =202hr; | | | | | | | | | | | |
| 172-199 | Base Support Structure FDR | | 0 | 09NOV05 | 396 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 151-011 | Final Design Cryostat WBS 171 | 02OCT06* | 181 | 22JUN07 | 175 | | 0.00 | 248,548.17 | Gettelfinger =976hr ; Messineo =593hr ; | | | | | | | | | | | |
| 171-199 | Cryostat FDR | | 0 | 22JUN07 | 175 | | 0.00 | 0.00 | | | | | | | | | | | | |
| Job: 1751 - Cryostat Procurement | | | | | | | | | | | | | | | | | | | | |
| 171 - Cryostat | | | | | | | | | | | | | | | | | | | | |
| 151-031 | Title III engr | 02JUL07 | 405 | 04FEB09 | 170 | | 0.00 | 33,083.13 | Gettelfinger =34hr ; messineo=220 | | | | | | | | | | | |
| 151-036.8 | Prep Spec, Solicit bids, and Select Vendor | 02JUL07* | 65 | 02OCT07 | 170 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 151-036.9 | Award Cryostat Procurement | | 0 | 02OCT07 | 241 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 151-037 | Cryostat Procurement [A/1] | 03OCT07 | 141 | 28APR08 | 241 | | 0.00 | 508,421.76 | 41=358.47\$sk ; 35=02\$sk ; | | | | | | | | | | | |
| Job: 1752 - Base Support Structure Procurement | | | | | | | | | | | | | | | | | | | | |
| 172 - Base Support Structure | | | | | | | | | | | | | | | | | | | | |
| 161-031 | Title III engr WBS 172 | 06APR07 | 240 | 21MAR08 | 395 | | 0.00 | 11,232.73 | Gettelfinger =60hr ; | | | | | | | | | | | |
| 161-036.8 | Prep Spec, Solicit bids, and Select Vendor | 06APR07* | 65 | 09JUL07 | 198 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 161-036.9 | Award Machine Base&supports Procurement | | 0 | 09JUL07 | 198 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 161-037 | Machine Base&supports Procurement [A/1] | 10JUL07 | 90 | 13NOV07 | 198 | | 0.00 | 303,827.09 | 41=238\$sk ; 35=02\$sk ; | | | | | | | | | | | |
| 18 - Field Period Assembly | | | | | | | | | | | | | | | | | | | | |
| Job: 1802 - FP Assy Oversight&Support-VIOLA | | | | | | | | | | | | | | | | | | | | |
| Oversight and Supervision | | | | | | | | | | | | | | | | | | | | |
| 181.210 | HP Coverage in the TFTR TC LOE FY05 | 01OCT04A | 249* | 30SEP05 | 1,010 | LOE | 66,357.95 | 136,539.00 | sh//tb=1300 (.75 fte) | | | | | | | | | | | |
| 181.222 | HP Coverage in the TFTR TC LOE FY06 | 03OCT05* | 250* | 02OCT06 | 760 | | 0.00 | 151,697.99 | sh//tb=1300 (.75 fte) | | | | | | | | | | | |
| 181.220 | HP Coverage in the TFTR TC LOE FY07 | 02OCT06* | 250* | 01OCT07 | 511 | | 0.00 | 155,203.36 | sh//tb=1300 (.75 fte) | | | | | | | | | | | |
| 181.221 | HP Coverage in the TFTR TC LOE FY08 | 01OCT07* | 251* | 30SEP08 | 261 | | 0.00 | 160,771.00 | sh//tb=1300 (.75 fte) | | | | | | | | | | | |
| 181.110 | PPPL EM LOE FY05 | 01OCT04A | 249* | 30SEP05 | 1,010 | LOE | 4,677.85 | 9,625.20 | Viola=60 | | | | | | | | | | | |
| 181.120 | PPPL EM LOE FY06 | 06MAR06* | 148* | 02OCT06 | 760 | | 0.00 | 116,541.57 | Viola=648 66% for FY06 | | | | | | | | | | | |
| 181.121 | PPPL EM LOE FY07 | 02OCT06* | 249* | 28SEP07 | 512 | | 0.00 | 269,898.66 | Viola=1467 (85%) | | | | | | | | | | | |
| 181.122 | PPPL EM LOE FY08 | 01OCT07* | 251* | 30SEP08 | 261 | | 0.00 | 279,624.87 | Viola=1467 (85%) | | | | | | | | | | | |
| Job: 1803- FP Assy Toolg/Constructability-BROWN | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | | |
| 1803-0 | Constructability Review **TBD** | | 0 | 31MAR05 | 1,144 | 100 | 0.00 | 0.00 | | | | | | | | | | | | |
| 1.00-VV Prep Station | | | | | | | | | | | | | | | | | | | | |
| 1803-1.02 | VV Support Fixture - model design& drawing detai | 01FEB05A | 51* | 12APR05 | 385 | 90 | 12,243.60 | 13,604.00 | BROWN =08hr ; PAUL =120 ; | | | | | | | | | | | |
| 1803-1.04 | Metrology -sightline layout metrology support | 13APR05* | 18* | 06MAY05 | 399 | | 0.00 | 25,502.00 | BROWN =80hr ; PAUL =120 ; | | | | | | | | | | | |
| 1803-1.05 | Structural / Seismic Analysis check | 01FEB05A | 44* | 01APR05 | 424 | 20 | 2,644.00 | 13,220.00 | ANALYST =80hr ; | | | | | | | | | | | |

Run Date 27APR05 09:15

0503

**NCSX
ECPxx
NEW PROPOSED BASELINE**

Sheet 22 of 42

completed tasks not shown

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|---------------------------------------|--|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|-----------------------------|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 1803-3.081 | ** FDR ** Platform & Support Stands | 02MAY05* | 1 | 02MAY05 | 498 | | 0.00 | 991.50 | BROWN =6hr ; | | | | | | | | | | | |
| 1803-3.110 | Prep & Issue Spec,dwgs,and req-pltfm&sprts | 03MAY05 | 1 | 03MAY05 | 498 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 1803-3.101 | Procurement lead time platforms & supports | 04MAY05 | 55 | 21JUL05 | 498 | | 0.00 | 9,915.00 | BROWN =60hr ; | | | | | | | | | | | |
| 1803-3.16 | FAB - VV suprt stand & misc crane fixtures | 03OCT05* | 70 | 18JAN06 | 447 | | 0.00 | 22,185.00 | 41=15\$k ; | | | | | | | | | | | |
| 1803-3.16A | FAB -Platform | 03OCT05* | 70 | 18JAN06 | 447 | | 0.00 | 14,790.00 | 41=10\$k ; | | | | | | | | | | | |
| 1803-3.16B | FAB -MC Installation Metrology sprt stands | 03OCT05* | 70 | 18JAN06 | 447 | | 0.00 | 7,395.00 | 41=5\$k ; | | | | | | | | | | | |
| 1803-3.11 | Procurement Technical Rep | 05JUL05* | 140 | 26JAN06 | 939 | | 0.00 | 26,629.66 | BROWN =152hr ; | | | | | | | | | | | |
| 1803-3.13 | Fabrication - follow-up activities | 05JUL05* | 140 | 26JAN06 | 939 | | 0.00 | 11,348.27 | BROWN =40hr ; MORRIS =40 ; | | | | | | | | | | | |
| 4.00-Final FP Assembly | | | | | | | | | | | | | | | | | | | | |
| 1803-4.02 | MC Support Stand - model design and drawing deta | 18JUL05* | 15* | 05AUG05 | 446 | | 0.00 | 14,265.00 | BROWN =12hr ; MORRIS =120 ; | | | | | | | | | | | |
| 1803-4.03 | TF HP support turning fixture - model design d | 08AUG05 | 15 | 26AUG05 | 1,020 | | 0.00 | 14,265.00 | BROWN =12hr ; MORRIS =120 ; | | | | | | | | | | | |
| 1803-4.04 | FP Assembly platform - model design drawing det | 29AUG05 | 20 | 23SEP05 | 1,020 | | 0.00 | 14,265.00 | BROWN =12hr ; MORRIS =120 ; | | | | | | | | | | | |
| 1803-4.05 | VV Port Alignment/Weldment Fixture - design and | 08AUG05 | 15 | 26AUG05 | 446 | | 0.00 | 14,265.00 | BROWN =12hr ; MORRIS =120 ; | | | | | | | | | | | |
| 1803-4.06 | Metrology - sightline layout design details metr | 13JUL05* | 16* | 03AUG05 | 463 | | 0.00 | 9,510.00 | BROWN =08hr ; MORRIS =80 ; | | | | | | | | | | | |
| 1803-4.07 | Structural / Seismic Analysis check | 22AUG05* | 10* | 02SEP05 | 440 | | 0.00 | 13,220.00 | ANALYST =80hr ; | | | | | | | | | | | |
| 1803-4.08 | PDR Final FP Assy | 20OCT05* | 1 | 20OCT05 | 407 | | 0.00 | 1,468.56 | BROWN =8hr ; | | | | | | | | | | | |
| 1803-4.081 | FDR Final FP Assy | 29NOV05* | 1 | 29NOV05 | 382 | | 0.00 | 1,468.56 | BROWN =8hr ; | | | | | | | | | | | |
| 1803-4.09 | Design check and sign-off | 30NOV05 | 5 | 06DEC05 | 382 | | 0.00 | 3,846.72 | BROWN =16hr ; MORRIS =08 ; | | | | | | | | | | | |
| 1803-4.11 | Safety Review documentation / presentation | 11NOV05 | 10 | 28NOV05 | 382 | | 0.00 | 2,937.12 | BROWN =16hr ; | | | | | | | | | | | |
| 1803-4.12 | Fabrication - follow-up activities | 02MAR06 | 65 | 01JUN06 | 382 | | 0.00 | 7,485.12 | BROWN =16hr ; MORRIS =40 ; | | | | | | | | | | | |
| 1803-4.10A | Prep & Issue Spec,dwgs,and req-pltfm&sprts | 06DEC05 | 1 | 06DEC05 | 382 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 1803-4.10 | Procurement lead time | 07DEC05 | 55 | 01MAR06 | 382 | | 0.00 | 4,405.68 | BROWN =24hr ; | | | | | | | | | | | |
| 1803-4.13 | FAB-MC Support Stands (2) | 02MAR06* | 65 | 01JUN06 | 382 | | 0.00 | 14,790.00 | 41=5\$k x 2= \$10k ; | | | | | | | | | | | |
| 1803-4.14 | Fab -TF HP support and turning fixture (2) | 02MAR06* | 65 | 01JUN06 | 409 | | 0.00 | 11,092.50 | 41=7.5\$k | | | | | | | | | | | |
| 1803-4.15 | FAB-FP Assy platforms (2) | 02MAR06* | 65 | 01JUN06 | 382 | | 0.00 | 44,370.00 | 41=30\$k | | | | | | | | | | | |
| 1803-4.16 | FAB-MC Temporary End Supports (2) | 02MAR06* | 65 | 01JUN06 | 382 | | 0.00 | 14,790.00 | 41=5\$k x 2 = \$10k | | | | | | | | | | | |
| 1803-4.17 | FAB-Final FP Assy Metrology suprt stands (2) | 02MAR06* | 65 | 01JUN06 | 382 | | 0.00 | 14,790.00 | 41=5\$k x 2 = \$10k | | | | | | | | | | | |
| 1803-4.18 | FAB-VV Port alignment/weldment fixtures (2) | 02MAR06* | 65 | 01JUN06 | 382 | | 0.00 | 14,790.00 | 41=5\$k x 2 = \$10k | | | | | | | | | | | |
| 5.00-TF HP Assembly | | | | | | | | | | | | | | | | | | | | |
| 1803-5.001 | Concept definition and requirements | 02MAY05* | 10* | 13MAY05 | 454 | | 0.00 | 10,704.00 | BROWN =40hr ; MORRIS =40 ; | | | | | | | | | | | |
| 1803-5.002 | TF Rotation Fixture plus dwgs | 16MAY05 | 68* | 19AUG05 | 454 | | 0.00 | 43,456.00 | BROWN =40hr ; MORRIS =360 ; | | | | | | | | | | | |
| 1803-5.003 | Metrology layout/support stand dwgs | 18JUL05* | 10* | 29JUL05 | 469 | | 0.00 | 9,510.00 | BROWN =8hr ; MORRIS =80 ; | | | | | | | | | | | |
| 1803-5.004 | Structural Analysis | 11JUL05* | 15* | 29JUL05 | 469 | | 0.00 | 13,220.00 | Analyst=80hrs | | | | | | | | | | | |
| 1803-5.005 | PDR | 22AUG05* | 5 | 26AUG05 | 454 | | 0.00 | 1,322.00 | BROWN =8 | | | | | | | | | | | |
| 1803-5.006 | FDR | 19SEP05* | 5 | 23SEP05 | 439 | | 0.00 | 1,322.00 | BROWN =8 | | | | | | | | | | | |
| 1803-5.007 | Pre & Issue Specs and Dwgs | 26SEP05 | 5 | 30SEP05 | 439 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 1803-5.008 | Procurement Lead Time | 03OCT05 | 55 | 20DEC05 | 439 | | 0.00 | 4,405.68 | BROWN =24 | | | | | | | | | | | |
| 1803-5.009 | Fabricate TF HP Assembly (1) | 21DEC05 | 65 | 29MAR06 | 439 | | 0.00 | 44,370.00 | 41=\$30k | | | | | | | | | | | |
| 6.00-Interface/Test Activities | | | | | | | | | | | | | | | | | | | | |
| 1803-5.01 | Finalize TFTR test cell FPA assembly layout draw | 13JUN05* | 22* | 13JUL05 | 1,062 | | 0.00 | 9,066.40 | BROWN =40hr ; PAUL =24 ; | | | | | | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|--|--|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|---|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 1803-5.02 | Establish an assembly interface requirements doc | 14JUL05* | 10 | 27JUL05 | 1,062 | | 0.00 | 6,610.00 | [Gantt bar: BROWN =40hr ;] | | | | | | | | | | | |
| 1803-5.03 | Design test components as needed to qualify ass | 09MAY05* | 24 | 10JUN05 | 1,034 | | 0.00 | 51,327.00 | [Gantt bar: BROWN PAUL =40hr ; ANALYST =80hr ; PAUL =120 ; 41=15] | | | | | | | | | | | |
| 1803-5.04 | Fab - Test Articles | 13JUN05* | 45 | 15AUG05 | 1,034 | | 0.00 | 0.00 | [Gantt bar:] | | | | | | | | | | | |
| 1803-5.05 | Metrology Validation | 16AUG05 | 15 | 05SEP05 | 1,034 | | 0.00 | 0.00 | [Gantt bar:] | | | | | | | | | | | |
| 7.00-Oversight | | | | | | | | | | | | | | | | | | | | |
| 1803-7.01 | Meetings Prep and Reporting | 01NOV04A | 230* | 30SEP05 | 1,015 | LOE | 50,062.26 | 114,037.05 | [Gantt bar: BROWN PAUL =341hr ; MORRIS =238 ; PAUL =190 ; Fan=84] | | | | | | | | | | | |
| 1803-7.02 | Develop and maintain concept definition document | 01NOV04A | 230* | 30SEP05 | 1,015 | LOE | 4,352.69 | 9,915.00 | [Gantt bar: BROWN =60hr ;] | | | | | | | | | | | |
| 1803-7.03 | Develop and maintain assembly plan document | 01NOV04A | 230* | 30SEP05 | 1,015 | LOE | 5,803.58 | 13,220.00 | [Gantt bar: BROWN =80hr ;] | | | | | | | | | | | |
| 1803-7.04 | Mike Cole's FY05 on-site involvement in assembly | 01NOV04A | 230* | 30SEP05 | 1,015 | LOE | 10,887.20 | 24,800.00 | [Gantt bar: COLE =160hr ;] | | | | | | | | | | | |
| Tooling Design & Fabrication | | | | | | | | | | | | | | | | | | | | |
| 713A.040 | General procurements | 02OCT06* | 498 | 26SEP08 | 263 | | 0.00 | 10,473.75 | [Gantt bar:] 41=\$7.5k | | | | | | | | | | | |
| 713A.050 | Welding tools, materials & equip | 02OCT06* | 498 | 26SEP08 | 263 | | 0.00 | 10,473.75 | [Gantt bar:] 41=\$7.5k | | | | | | | | | | | |
| 713A.060 | Instl He gas piping from NSTX to D-site tc | 02OCT06* | 65 | 10JAN07 | 290 | | 0.00 | 44,271.00 | [Gantt bar:] ETC+= Kalish=40; em/sm=40; em/tb=240 ETC+= ea//dm=80; 41=\$ 5.6 k | | | | | | | | | | | |
| Job: 1804-FP Assy Measurement Sys-RAFTOPOULOS | | | | | | | | | | | | | | | | | | | | |
| Metrology | | | | | | | | | | | | | | | | | | | | |
| 1803-8 | Metrology Support (moved from 1803) | 01NOV04A | 230* | 30SEP05 | 1,015 | LOE | 44,397.39 | 101,133.00 | [Gantt bar: RAFTOPOULOS =612hr ;] | | | | | | | | | | | |
| 740.020 | Facility Prep | 03OCT05* | 95 | 22FEB06 | 915 | | 0.00 | 63,396.64 | [Gantt bar:] em/sm=168;em//tb=392 travel=\$ 6 k | | | | | | | | | | | |
| 740.035 | Deliver Metrology Software | 30SEP05* | 1 | 30SEP05 | 1,010 | | 0.00 | 0.00 | [Gantt bar:] reqmnts TBD | | | | | | | | | | | |
| 740.100 | Romer CMM- spare probes | 03OCT05* | 65 | 11JAN06 | 945 | | 0.00 | 4,437.00 | [Gantt bar:] m&s=\$3k | | | | | | | | | | | |
| 740.105 | Romer CMM-Software support & warranty renewal | 03OCT05* | 1,010* | 30SEP09 | 0 | | 0.00 | 45,633.14 | [Gantt bar:] 41=\$32 | | | | | | | | | | | |
| 740.110 | Romer CMM-Laptop for 2nd arm | 03OCT05* | 65 | 11JAN06 | 945 | | 0.00 | 5,916.00 | [Gantt bar:] 41=\$4k | | | | | | | | | | | |
| 740.130 | Misc hand tools calibration and spare laptop | 03OCT05* | 1,010* | 30SEP09 | 0 | | 0.00 | 9,982.25 | [Gantt bar:] m&s=\$7k | | | | | | | | | | | |
| 740.135 | Gary Puhl subcontract for TRC analysis | 21JUN05 | 20 | 19JUL05 | 1,062 | | 0.00 | 12,810.00 | [Gantt bar:] m&s=\$10k | | | | | | | | | | | |
| Job:1810 - Field Period Assembly-VIOLA | | | | | | | | | | | | | | | | | | | | |
| Prep TFTR TC for Assembly operations | | | | | | | | | | | | | | | | | | | | |
| S0P0-100 | Clearout realestate & setup fixturing | 01AUG05* | 86* | 30NOV05 | 974 | | 0.00 | 141,876.41 | [Gantt bar:] EM/TB =3 man crew 3 mm each=1350 hrs EM/TB=crane operator = 450 hrs | | | | | | | | | | | |
| Stage 1 VV Prep (instl diag & insul)FP#1 | | | | | | | | | | | | | | | | | | | | |
| S1P1-101 | Receive VV and inspect | 03APR06* | 4 | 06APR06 | 302 | | 0.00 | 8,019.84 | [Gantt bar:] EM//TB =96hr ; | | | | | | | | | | | |
| S1P1-102 | Mount VV on VV Prep fixture (top side up) | 07APR06 | 1 | 07APR06 | 302 | | 0.00 | 1,002.48 | [Gantt bar:] EM//TB =12hr ; | | | | | | | | | | | |
| S1P1-103 | Establish metrology setting; align VV base | 10APR06 | 3 | 12APR06 | 302 | | 0.00 | 6,014.88 | [Gantt bar:] EM//TB =72hr ; | | | | | | | | | | | |
| S1P1-106 | Attach studs for coolant lines,insulation on top | 13APR06 | 8 | 24APR06 | 302 | | 0.00 | 16,039.68 | [Gantt bar:] EM//TB =192hr ; | | | | | | | | | | | |
| S1P1-107 | Wind magnetic diagnostic sensors to top surface | 25APR06 | 13 | 11MAY06 | 302 | | 0.00 | 16,039.68 | [Gantt bar:] EM//TB =192hr ; | | | | | | | | | | | |
| S1P1-108 | Install cooling/htg lines to vac vsl top surface | 12MAY06 | 8 | 23MAY06 | 302 | | 0.00 | 21,386.24 | [Gantt bar:] EM//TB =256hr ; | | | | | | | | | | | |
| S1P1-109 | Install insulation to vac vsl to top surface | 24MAY06 | 10 | 07JUN06 | 302 | | 0.00 | 33,416.00 | [Gantt bar:] EM//TB =400hr ; | | | | | | | | | | | |
| S1P1-110 | Flip VV to expose lower surface | 08JUN06 | 1 | 08JUN06 | 302 | | 0.00 | 2,004.96 | [Gantt bar:] EM//TB =24hr ; | | | | | | | | | | | |
| S1P1-112 | Attach studs for coolant lines, insulation bott | 09JUN06 | 8 | 20JUN06 | 302 | | 0.00 | 16,039.68 | [Gantt bar:] EM//TB =192hr ; | | | | | | | | | | | |
| S1P1-113 | Wind magnetic diagnostic sensors to bot surface | 21JUN06 | 13 | 10JUL06 | 302 | | 0.00 | 16,039.68 | [Gantt bar:] EM//TB =192hr ; | | | | | | | | | | | |
| S1P1-114 | Install cooling/htg lines to vac vsl bot surface | 11JUL06 | 8 | 20JUL06 | 302 | | 0.00 | 21,386.24 | [Gantt bar:] EM//TB =256hr ; | | | | | | | | | | | |
| S1P1-115 | Install insulation to vac vsl to bot surface | 21JUL06 | 10 | 03AUG06 | 302 | | 0.00 | 33,416.00 | [Gantt bar:] EM//TB =400hr ; | | | | | | | | | | | |
| S1P1-116 | Prepare and transfer completed VV to holding are | 04AUG06 | 3 | 08AUG06 | 302 | | 0.00 | 6,014.88 | [Gantt bar:] EM//TB =72hr ; | | | | | | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | | | | | |
|--|---|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|-------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | | | | | |
| 411-2-4 | Grounding-Procure | 10FEB06* | 107 | 12JUL06 | 619 | | 0.00 | 7,395.00 | | | | | | | | | | | | | | | | |
| 411-2-6 | Grounding-Install | 02OCT06* | 43 | 01DEC06 | 520 | | 0.00 | 65,513.00 | | | | | | | | | | | | | | | | |
| 411-2-8 | Grounding-Commission | 04DEC06* | 29 | 19JAN07 | 520 | | 0.00 | 16,152.16 | | | | | | | | | | | | | | | | |
| 411-3-2 | Test Cell AC Power Distr-Dsn | 03OCT05* | 186 | 30JUN06 | 655 | | 0.00 | 3,658.32 | | | | | | | | | | | | | | | | |
| 411-3-4 | Test Cell AC Power Distr-Procure(pnls & xfrmrs) | 10JUL06* | 101 | 30NOV06 | 550 | | 0.00 | 48,956.97 | | | | | | | | | | | | | | | | |
| 411-3-6 | Test Cell AC Power Distr-Install | 10JUL06* | 104 | 05DEC06 | 547 | | 0.00 | 32,319.04 | | | | | | | | | | | | | | | | |
| 411-3-8 | Test Cell AC Power Distr-Commission | 02OCT06* | 45 | 05DEC06 | 547 | | 0.00 | 32,304.32 | | | | | | | | | | | | | | | | |
| 411-4-2 | Standby Power for Cryo Sys -Dsn | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | | | | | |
| 411-4-4 | Standby Power for Cryo Sys -Procure | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | | | | | |
| 411-4-6 | Standby Power for Cryo Sys -Install | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | | | | | |
| 412 - Experimental AC Power Systems | | | | | | | | | | | | | | | | | | | | | | | | |
| 412-1-2 | D-site Pulsed AC Power Distr-Dsn | 02OCT06* | 128 | 09APR07 | 236 | | 0.00 | 11,734.80 | | | | | | | | | | | | | | | | |
| 412-1-4 | D-site Pulsed AC Power Distr-Procure | 10APR07 | 125 | 04OCT07 | 236 | | 0.00 | 6,928.68 | | | | | | | | | | | | | | | | |
| 412-1-6 | D-site Pulsed AC Power Distr-Install | 05OCT07 | 40 | 03DEC07 | 236 | | 0.00 | 18,390.72 | | | | | | | | | | | | | | | | |
| 412-1-8 | D-site Pulsed AC Power Distr-Commission | 04DEC07 | 40 | 05FEB08 | 236 | | 0.00 | 11,088.40 | | | | | | | | | | | | | | | | |
| 43 - DC Systems | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 4301 - DC Systems-RAMAKRISHNAN | | | | | | | | | | | | | | | | | | | | | | | | |
| 431 - C-Site DC Systems | | | | | | | | | | | | | | | | | | | | | | | | |
| 431-200 | Condition/spare parts inventory | 01OCT04A | 153 | 16MAY05 | 1,106 | 90 | 15,306.19 | 17,006.88 | | | | | | | | | | | | | | | | |
| 431-210 | Organize & verify documentation | 01OCT04A | 132 | 15APR05 | 1,127 | 80 | 34,997.24 | 43,746.56 | | | | | | | | | | | | | | | | |
| 431-215 | Document status | 01OCT04A | 132 | 15APR05 | 1,127 | 50 | 3,115.40 | 6,230.80 | | | | | | | | | | | | | | | | |
| 431-225 | Reactivate DF & PEI units | 15JUN05* | 32 | 29JUL05 | 1,054 | | 0.00 | 11,196.40 | | | | | | | | | | | | | | | | |
| 431-230 | Load test | 01JUL05* | 20 | 29JUL05 | 1,054 | | 0.00 | 15,306.40 | | | | | | | | | | | | | | | | |
| 431-240 | Simulate each of 6 pwr loops in PSCAD | 01APR05* | 65 | 01JUL05 | 1,073 | | 0.00 | 12,461.60 | | | | | | | | | | | | | | | | |
| 431-250 | c-site dc sys DGS dsn documentation | 01APR05* | 100 | 22AUG05 | 1,038 | | 0.00 | 6,586.32 | | | | | | | | | | | | | | | | |
| 431-260 | Power loop design | 01NOV04A | 228 | 30SEP05 | 1,010 | 35 | 38,004.57 | 108,584.48 | | | | | | | | | | | | | | | | |
| 431-265 | Fabricate bus components | 01APR05* | 185 | 22DEC05 | 953 | | 0.00 | 16,537.03 | | | | | | | | | | | | | | | | |
| 431-275 | Power cabling & Installation | 02OCT06* | 121 | 29MAR07 | 492 | | 0.00 | 216,284.20 | | | | | | | | | | | | | | | | |
| 44 - Control and protection Systems | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 4401 - Control & Protection-RAMAKRISHNAN | | | | | | | | | | | | | | | | | | | | | | | | |
| 441 - Electrical Interlocks | | | | | | | | | | | | | | | | | | | | | | | | |
| 441-095 | Design Interlock sys | 03OCT06* | 118 | 27MAR07 | 224 | | 0.00 | 32,776.00 | | | | | | | | | | | | | | | | |
| 441-097 | Install Interlock sys | 28MAR07 | 119 | 13SEP07 | 309 | | 0.00 | 29,242.40 | | | | | | | | | | | | | | | | |
| 441-100 | PLC Specification | 28MAR07 | 85 | 26JUL07 | 224 | | 0.00 | 14,118.56 | | | | | | | | | | | | | | | | |
| 441-105 | Prep Block diagrams | 28MAR07 | 85 | 26JUL07 | 224 | | 0.00 | 17,134.40 | | | | | | | | | | | | | | | | |
| 441-110 | PLC CWD's & Cabling | 27JUL07* | 85 | 23NOV07 | 224 | | 0.00 | 22,536.52 | | | | | | | | | | | | | | | | |
| 441-115 | deliver PLC | 27JUL07* | 85 | 23NOV07 | 472 | | 0.00 | 70,400.00 | | | | | | | | | | | | | | | | |
| 441-120 | Program PLC Logic | 26NOV07 | 45 | 06FEB08 | 427 | | 0.00 | 22,959.20 | | | | | | | | | | | | | | | | |
| 441-125 | Program Control pages | 26NOV07 | 97 | 18APR08 | 375 | | 0.00 | 24,222.00 | | | | | | | | | | | | | | | | |

Run Date 27APR05 09:16



0503

NCSX
ECPxx
NEW PROPOSED BASELINE

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completed tasks not shown

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|--|--|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|--|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 445-2-140 | Overload Protection&cabling design,procure instl | 01DEC06* | 249 | 27NOV07 | 470 | | 0.00 | 145,550.00 | rak=248;elect dsn=200;ee//sm=112;ee//tb=240 41=6;powers=25k | | | | | | | | | | | |
| 45 - Power System Design and Integration | | | | | | | | | | | | | | | | | | | | |
| Job: 4501 - Power Sys Dsn & Integr-RAMAKRISHNAN | | | | | | | | | | | | | | | | | | | | |
| 451 - System Design & Interfaces | | | | | | | | | | | | | | | | | | | | |
| 451-0-2 | Develop SRD | 01APR05* | 21 | 29APR05 | 1,117 | | 0.00 | 0.00 | █ | | | | | | | | | | | |
| 451-3-2 | Dwgs,asbluts -Elect Dsn | 02OCT06* | 500* | 30SEP08 | 261 | | 0.00 | 166,427.78 | VANKIRK 1040hr ; Raki =240hr ; █ | | | | | | | | | | | |
| 451-2-1 | CDR Power system -Dsn | 01DEC04A | 101* | 29APR05 | 1,117 | 40 | 16,519.68 | 41,299.20 | █ vankirk=160; raki=160 | | | | | | | | | | | |
| 451-2-2 | PDR Power system -Dsn | 01APR05* | 46* | 06JUN05 | 1,092 | | 0.00 | 41,299.20 | █ vankirk=160;raki=160 | | | | | | | | | | | |
| 451-2-2.1 | FDR C-Site | 16MAY05* | 64* | 15AUG05 | 1,043 | | 0.00 | 30,974.40 | █ VANKIRK =120hr ; Raki =120hr ; | | | | | | | | | | | |
| 451-6-2 | FDR C-Site -Cabling | 16MAY05* | 64* | 15AUG05 | 1,043 | | 0.00 | 30,974.40 | █ VANKIRK =120hr ; Raki =120hr ; | | | | | | | | | | | |
| 451-4-2 | FDR AC auxiliaries & grounding-Dsn | 03JUL06* | 45 | 05SEP06 | 779 | | 0.00 | 11,469.60 | █ VANKIRK =40hr ; Raki =40hr ; | | | | | | | | | | | |
| 451-1-2 | Calculations-Dsn | 01APR05* | 626* | 28SEP07 | 512 | | 0.00 | 55,651.34 | █ Raki =320hr ;design=8 | | | | | | | | | | | |
| 452 - Electrical Systems Support | | | | | | | | | | | | | | | | | | | | |
| 452-1-2 | Diagnostics AC Power Distr-Dsn | 03OCT06* | 72 | 22JAN07 | 192 | | 0.00 | 88,614.40 | █ EA//DM =640hr ; Raki =80hr ; | | | | | | | | | | | |
| 452-1-4 | Diagnostics AC Power Distr-Procure | 23JAN07 | 182 | 08OCT07 | 192 | | 0.00 | 1,385.76 | █ 41=01\$█ | | | | | | | | | | | |
| 452-1-6 | Diagnostics AC Power Distr-Install | 09OCT07 | 105 | 13MAR08 | 192 | | 0.00 | 82,080.00 | EE//EM =80hr ; EE//SM =80hr ; █ EE//TB =640hr ; █ | | | | | | | | | | | |
| 452-1-8 | Diagnostics AC Power Distr-Commission | 19MAR08 | 37 | 08MAY08 | 192 | | 0.00 | 31,999.60 | EE//EM =40hr ; EE//SM =80hr ; █ EE//TB =160hr ; █ | | | | | | | | | | | |
| 452-2-2 | Diagnostics sensor cabling-Dsn | 03OCT06* | 61 | 05JAN07 | 240 | | 0.00 | 25,694.40 | █ EA//DM =160hr ; Raki =40hr ; | | | | | | | | | | | |
| 452-2-4 | Diagnostics sensor cabling-Procure | 08JAN07 | 185 | 26SEP07 | 240 | | 0.00 | 2,770.00 | █ 41=02\$█ | | | | | | | | | | | |
| 452-2-6 | Diagnostics sensor cabling-Install | 27SEP07 | 65 | 07JAN08 | 240 | | 0.00 | 22,791.55 | EE//EM =24hr ; EE//SM =32hr ; █ EE//TB =160hr ; █ | | | | | | | | | | | |
| 452-2-8 | Diagnostics sensor cabling-Commission | 08JAN08 | 40 | 03MAR08 | 240 | | 0.00 | 6,399.92 | EE//EM =08hr ; EE//SM =16hr ; █ EE//TB =32hr ; █ | | | | | | | | | | | |
| 453 - System Testing (PTP's) | | | | | | | | | | | | | | | | | | | | |
| 453-1-2 | New Procedures | 06OCT06* | 90 | 20FEB07 | 345 | | 0.00 | 70,408.80 | █ EA//DM =240hr ; EE//EM =240hr ; | | | | | | | | | | | |
| 453-1-4 | Preop Testing-Procure test equipt | 21FEB07* | 160 | 05OCT07 | 345 | | 0.00 | 34,642.97 | █ 41=25\$█ | | | | | | | | | | | |
| 453-1-8 | Testing PTPs, ISTPs | 19OCT07* | 100 | 18MAR08 | 236 | | 0.00 | 219,667.28 | EE//SM =240hr ; EE//TB =376hr ; ee//em=768 ; 41=10 █ | | | | | | | | | | | |
| 5 - Central I&C Systems | | | | | | | | | | | | | | | | | | | | |
| 51 - TCP/IP Infrastructure Systems | | | | | | | | | | | | | | | | | | | | |
| 51-10 | Preliminary Design (Title I) | 01OCT07* | 45 | 04DEC07 | 239 | | 0.00 | 6,825.20 | █ EC//EM =40hr ; | | | | | | | | | | | |
| 51-20 | Final Network Design (Title II) | 05DEC07 | 20 | 09JAN08 | 239 | | 0.00 | 6,825.20 | █ EC//EM =40hr ; | | | | | | | | | | | |
| 51-30 | Installation, Testing, Documentation (Title III) | 10JAN08 | 120 | 26JUN08 | 239 | | 0.00 | 269,040.80 | EA//DM =160hr ; EC//EM =220hr ; █ EE//SM =740hr ; 41=82\$█ | | | | | | | | | | | |
| 52 - Central Instrumentation & Control | | | | | | | | | | | | | | | | | | | | |
| 52-10 | Preliminary Design (Title I) | 04SEP07* | 45 | 05NOV07 | 138 | | 0.00 | 26,900.20 | █ EC//EM =160hr ; | | | | | | | | | | | |
| 52-20 | Final Design (Title II) | 06NOV07 | 87 | 17MAR08 | 138 | | 0.00 | 66,545.70 | █ EC//EM =390hr ; | | | | | | | | | | | |
| 52-30 | Installation, Testing, Documentation (Title III) | 18MAR08 | 173 | 18NOV08 | 138 | | 0.00 | 517,471.88 | EC//SM =600hr ; EC//EM =1,302hr ; █ 41=163\$█ | | | | | | | | | | | |

Run Date 27APR05 09:16



0503

NCSX
ECPxx
NEW PROPOSED BASELINE


Sheet 35 of 42

completed tasks not shown

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|---|--|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|--|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 53 - Data Acquisition & Facility Computing | | | | | | | | | | | | | | | | | | | | |
| 53-10 | Preliminary Design (Title I) | 04SEP07* | 45 | 05NOV07 | 160 | | 0.00 | 28,581.46 | EC/EM =170hr ; | | | | | | | | | | | |
| 53-20 | Final Design (Title II) | 06NOV07 | 65 | 14FEB08 | 160 | | 0.00 | 56,307.90 | EC/EM =330hr ; | | | | | | | | | | | |
| 53-30 | Coding, Configuration, Testing (Title III) | 15FEB08 | 173 | 17OCT08 | 160 | | 0.00 | 266,124.36 | EC/EM =1,080hr ; 41=57.7\$K ; | | | | | | | | | | | |
| 54 - Facility Timing & Synchronization | | | | | | | | | | | | | | | | | | | | |
| 54-10 | Preliminary Design (Title I) | 02OCT07* | 45 | 05DEC07 | 178 | | 0.00 | 23,888.20 | EC/EM =140hr ; | | | | | | | | | | | |
| 54-20 | Final Design (Title II) | 06DEC07 | 65 | 13MAR08 | 178 | | 0.00 | 27,300.80 | EC/EM =160hr ; | | | | | | | | | | | |
| 54-30 | Installation, Testing, Documentation (Title III) | 14MAR08 | 135 | 23SEP08 | 178 | | 0.00 | 169,775.20 | EC//SM =700hr ; EC//EM =360hr ; 41=25\$K ; | | | | | | | | | | | |
| 55 - Real Time Plasma & Power Supply Control Sys | | | | | | | | | | | | | | | | | | | | |
| 55-10 | Preliminary Design (Title I) | 02OCT07* | 45 | 05DEC07 | 238 | | 0.00 | 13,650.40 | EC/EM =80hr ; | | | | | | | | | | | |
| 55-20 | Final Design (Title II) | 06DEC07 | 20 | 10JAN08 | 238 | | 0.00 | 13,650.40 | EC/EM =80hr ; | | | | | | | | | | | |
| 55-30 | Installation, Testing, Documentation (Title III) | 11JAN08 | 120 | 27JUN08 | 238 | | 0.00 | 134,352.40 | EC//EM =480hr ; EC//SM =500hr ; 41=0\$K ; | | | | | | | | | | | |
| 56 - Central Safety Interlock Systems | | | | | | | | | | | | | | | | | | | | |
| 56-10 | Preliminary Design (Title I) | 02OCT07* | 87 | 11FEB08 | 183 | | 0.00 | 27,300.80 | EC/EM =160hr ; | | | | | | | | | | | |
| 56-20 | Final Design (Title II) | 12FEB08 | 45 | 14APR08 | 183 | | 0.00 | 27,300.80 | EC/EM =160hr ; | | | | | | | | | | | |
| 56-30 | Installation, Testing, Documentation (Title III) | 15APR08 | 108 | 16SEP08 | 183 | | 0.00 | 327,335.40 | EC//EM =780hr ; EE//SM =1,200hr ; 41=27\$K ; | | | | | | | | | | | |
| 57 - Control Room Facility | | | | | | | | | | | | | | | | | | | | |
| 57-10 | | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 58 - Central I&C management and Integration | | | | | | | | | | | | | | | | | | | | |
| Job: 5801 -Central I&C Integr & Oversight-OLIARO | | | | | | | | | | | | | | | | | | | | |
| 51-02 | FY05 LOE support | 01OCT04A | 249 | 30SEP05 | 1,010 | LOE | 6,056.66 | 12,462.26 | EC/EM =86hr ; | | | | | | | | | | | |
| 6 - Facility Systems | | | | | | | | | | | | | | | | | | | | |
| 61 - Water Systems | | | | | | | | | | | | | | | | | | | | |
| 613 - Vacuum Pumping System | | | | | | | | | | | | | | | | | | | | |
| 623.011 | Design WBS 612 | 01NOV07* | 59 | 01FEB08 | 216 | | 0.00 | 24,890.40 | em/em=80; ea/dm=80 | | | | | | | | | | | |
| 623.012 | PDR WBS 612 | 17DEC07 | 0 | | 245 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 623.013 | FDR WBS 612 | | 0 | 01FEB08 | 216 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 632.021 | WBS 612 Assembly/Fabrication/Installation | 04FEB08 | 40 | 28MAR08 | 216 | | 0.00 | 69,615.20 | em/em=80; em/tb=288; 41=\$20.5k | | | | | | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|---|--------------------------------------|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|---|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 62 - Cryogenic Systems | | | | | | | | | | | | | | | | | | | | |
| 621 - LN2-LHe Supply System | | | | | | | | | | | | | | | | | | | | |
| 631-001 | Preliminary Design | 02JUL07* | 65 | 02OCT07 | 252 | | 0.00 | 16,392.38 | EM//EM =89hr ; | | | | | | | | | | | |
| 631-010 | Final Design**reduced scope | 03OCT07 | 65 | 11JAN08 | 252 | | 0.00 | 18,892.61 | EM//EM =89hr ; EA//DM =176-160=16hr ; | | | | | | | | | | | |
| 631-020 | Procurement **reduced scope | 14JAN08 | 88 | 14MAY08 | 252 | | 0.00 | 123,340.80 | 41=88\$k -51.4=36.6 ; | | | | | | | | | | | |
| 631-015 | Fab/Assy/Installation**reduced scope | 10MAR08 | 65 | 09JUN08 | 252 | | 0.00 | 74,417.26 | EM//EM =89hr ; EM//SM =140-116=24hr ; EM//TB =580-170=410hr ; | | | | | | | | | | | |
| 622 - LN2 Coil Cooling Supply | | | | | | | | | | | | | | | | | | | | |
| 632-001 | **deleted scope | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 623 - GN2 Cryostat Cooling System | | | | | | | | | | | | | | | | | | | | |
| 633-001 | Preliminary Design | 02JUL07* | 40 | 27AUG07 | 262 | | 0.00 | 16,374.22 | EM//EM =89hr ; | | | | | | | | | | | |
| 633-020 | Procurement | 14NOV07 | 130 | 23MAY08 | 262 | | 0.00 | 112,569.60 | 41=80\$k ; | | | | | | | | | | | |
| 633-010 | Final Design | 28AUG07 | 55 | 13NOV07 | 262 | | 0.00 | 26,218.96 | EM//EM =89hr ; EA//DM =80hr ; | | | | | | | | | | | |
| 633-015 | Fab/Assy/Installation | 23JAN08 | 88 | 23MAY08 | 262 | | 0.00 | 75,053.09 | EM//EM =89hr ; EM//TB =656hr ; | | | | | | | | | | | |
| 63 - Utility Systems | | | | | | | | | | | | | | | | | | | | |
| 640.011 | Design GN2, Air & Vent Systems | 01OCT07* | 59 | 01JAN08 | 251 | | 0.00 | 34,532.00 | em/em=80; ea/dm=160 | | | | | | | | | | | |
| 640.021 | Assembly/Fabrication | 02JAN08 | 40 | 26FEB08 | 251 | | 0.00 | 74,767.58 | em/em=48; em/tb=458; 41=\$17.40k | | | | | | | | | | | |
| 64 - PFC/VV Heating & Cooling*ELIMINATED* | | | | | | | | | | | | | | | | | | | | |
| 650.001 | Eliminated scope | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 7 - Test Cell Preparation and Machine Assy | | | | | | | | | | | | | | | | | | | | |
| 72 - Control Room Refurbishment | | | | | | | | | | | | | | | | | | | | |
| Job: 7201 - Control Room Walls&Floors-PERRY | | | | | | | | | | | | | | | | | | | | |
| 710.001 | Block Wall east side control room | 01APR05* | 24 | 04MAY05 | 1,096 | | 0.00 | 39,573.60 | ee/tb=320; 41=\$12k | | | | | | | | | | | |
| 711B.050 | Complete Control Room Flooring | 05MAY05* | 18 | 31MAY05 | 1,096 | | 0.00 | 8,019.12 | ee//sm Edwards= 24 hrs; tucker jr =36 voorhees=36 | | | | | | | | | | | |
| 73 - Platform Design & Fabrication | | | | | | | | | | | | | | | | | | | | |
| Job: 7301 - Platform Design & Fab-PERRY | | | | | | | | | | | | | | | | | | | | |
| 712.008 | Update Platform Specification | 02MAY05* | 20 | 27MAY05 | 967 | | 0.00 | 6,416.80 | Perry=40 | | | | | | | | | | | |
| 712.009 | Platform PDR | | 0 | 27MAY05* | 967 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 712.010 | Final Design | 31MAY05* | 65 | 30AUG05 | 973 | | 0.00 | 53,163.80 | PERRY=140;messineo=300 | | | | | | | | | | | |
| 711A.040 | Platform nut plates | 31AUG05* | 65 | 02DEC05 | 967 | | 0.00 | 30,387.33 | em/tb mech shop =360 hrs;41=\$1k | | | | | | | | | | | |
| 712.020 | Platform Parts | 02OCT06* | 132 | 13APR07 | 283 | | 0.00 | 25,977.42 | PERRY=410;em//sm=23;em//tb=250 | | | | | | | | | | | |
| 712.030 | Miscs Hardware/Material | 02OCT06* | 132 | 13APR07 | 283 | | 0.00 | 48,475.00 | 41=\$35k | | | | | | | | | | | |
| 74 - Machine Assembly Planning and Oversight | | | | | | | | | | | | | | | | | | | | |
| Job: 7401 - TC Prep & Mach Assy Planning-PERRY | | | | | | | | | | | | | | | | | | | | |
| Project Scope | | | | | | | | | | | | | | | | | | | | |
| 714.010 | LOE FY05 | 01OCT04A | 249* | 30SEP05 | 1,010 | LOE | 53,446.60 | 109,972.42 | PERRY=449;semler=176;edwards=176 | | | | | | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | | | | |
|--|---|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|-------------|------|------|------|------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | | | | |
| 714.020 | LOE FY06 prior to assy starting | 03OCT05* | 436* | 02JUL07 | 574 | | 0.00 | 124,295.03 | | | | | | | | | | | | | | | |
| 714.030 | LOE FY07 thru first plasma | 02JUL07* | 444* | 31MAR09 | 131 | | 0.00 | 865,203.33 | | | | | | | | | | | | | | | |
| FED/Infrastructure Support (non Project cost) | | | | | | | | | | | | | | | | | | | | | | | |
| 613.017 | Install New Bottom Course **GPP** | 01APR05* | 106* | 30AUG05 | 1,038 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP004 | GPP-Roofing Design | 01APR04A | 249* | | | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP004.1 | GPP-Roofing Install | 01APR05* | 1* | 01APR05 | 1,137 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP005.1 | GPP-Test Cell lighting Install ***TBD*** | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP006 | GPP-Test Cell HVAC/dew point control Design*TBD | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP006.1 | GPP-Test Cell HVAC/dew point control InstallTBD | 01APR05* | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP007 | GPP-C-Site elevators Design | 01APR05* | 0* | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP007.1 | GPP-C-Site elevators Install | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP008 | GPP-Fire suppression high bay design*TBD* | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP008.1 | GPP-Fire suppression high bay install*TBD* | 01APR05 | 0 | 31MAR05 | 1,138 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP009 | Control Room Lights & Outlets design*TBD* | 01APR05 | 0 | 31MAR05 | 1,074 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP009.1 | Control Room Lights & Outlets install*TBD* | 01APR05 | 0 | 31MAR05 | 1,074 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP010 | Control Room HVAC Design **TBD** | 01APR05 | 0 | 31MAR05 | 1,074 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP010.1 | Control Room HVAC Install **TBD** | 01APR05 | 0 | 31MAR05 | 1,074 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP011 | Control Room Ceiling Design | 01APR05* | 64 | 30JUN05 | 1,010 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP011.1 | Control Room Ceiling Install | 01JUL05 | 64 | 30SEP05 | 1,010 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP012 | Control Rm Fire Detection & Suppression Design | 01APR05* | 0* | 31MAR05 | 1,010 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| GPP012.1 | Control Rm Fire Detection & Suppression Install | 01APR05 | 64 | 30JUN05 | 1,010 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| Test Cell Modifications & Upgrades | | | | | | | | | | | | | | | | | | | | | | | |
| 613.030 | Test Cell copper ground plane cuts | 13APR05* | 20 | 10MAY05 | 1,116 | | 0.00 | 10,223.40 | | | | | | | | | | | | | | | |
| 713.010 | General procurements | 01APR05* | 40 | 26MAY05 | 1,104 | | 0.00 | 19,215.00 | | | | | | | | | | | | | | | |
| 7502-001 | Test Cell 110v outlets | 02MAY05* | 20 | 27MAY05 | 1,097 | | 0.00 | 16,803.20 | | | | | | | | | | | | | | | |
| 7502-002 | Test Cell 208v outlets | 02MAY05* | 20 | 27MAY05 | 1,097 | | 0.00 | 8,401.60 | | | | | | | | | | | | | | | |
| 7502-010 | Ready Rooms (under control room) 110v outlets | 02MAY05* | 20 | 27MAY05 | 971 | | 0.00 | 8,401.60 | | | | | | | | | | | | | | | |
| 75 - Test Cell and Basement Assembly Operations | | | | | | | | | | | | | | | | | | | | | | | |
| 7501 - Construction Support Crew | | | | | | | | | | | | | | | | | | | | | | | |
| 7501-05 | Construction Support Crew during machine assy | 01OCT07* | 260 | 13OCT08 | 164 | | 0.00 | 855,212.25 | | | | | | | | | | | | | | | |
| 7501-06 | Construction Support Crew during e-beam mapping | 15JAN09* | 41 | 12MAR09 | 144 | | 0.00 | 99,710.51 | | | | | | | | | | | | | | | |
| 7501-07 | Construction Support Crew during cryostat instl | 06NOV08* | 40 | 31DEC08 | 195 | | 0.00 | 99,420.88 | | | | | | | | | | | | | | | |
| 7502 - Test Cell Facility Preparations | | | | | | | | | | | | | | | | | | | | | | | |
| 7502-020 | Resurface TC floor | 03OCT05* | 42 | 01DEC05 | 884 | | 0.00 | 33,625.20 | | | | | | | | | | | | | | | |
| 7502-030 | TC Floor firesealing | 02DEC05 | 42 | 07FEB06 | 884 | | 0.00 | 14,126.40 | | | | | | | | | | | | | | | |
| 7502-035 | Control room firesealing | 08FEB06 | 42 | 06APR06 | 884 | | 0.00 | 9,417.60 | | | | | | | | | | | | | | | |

| | | | | | | |
|------------------------------|----------------------|---|-------------|-----------------------|----------------|---------------------------|
| Run Date | 27APR05 09:16 |  | 0503 | NCSX ECPxx | Sheet 38 of 42 | completed tasks not shown |
| NEW PROPOSED BASELINE | | | | | | |

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|---------------------------------------|--|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|--|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 7503 - Machine Assembly | | | | | | | | | | | | | | | | | | | | |
| Revised Assembly Logic (ecp18) | | | | | | | | | | | | | | | | | | | | |
| 7503-010 | Begin Assembly Activities | 01OCT07* | 0 | | 164 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 7503-020 | Install & Level Support Base Plates | 14NOV07 | 15 | 06DEC07 | 199 | | 0.00 | 69,152.40 | EA//EM =60hr ; EM//TB =480hr ; EM//SM =120hr ; | | | | | | | | | | | |
| 7503-030 | Install/Level FPA's and Spool Piece supports | 07DEC07 | 30 | 28JAN08 | 199 | | 0.00 | 138,304.80 | EA//EM =120hr ; EM//TB =960hr ; EM//SM =240hr ; | | | | | | | | | | | |
| 7503-060 | Install Lower PF 4,5&6 into prelim position | 18APR08 | 2 | 21APR08 | 154 | | 0.00 | 4,830.08 | EM//SM =16hr ; EM//TB =32hr ; | | | | | | | | | | | |
| 7503-070 | Install 3 Spool Pieces on fixt & test movement | 29JAN08 | 10 | 11FEB08 | 199 | | 0.00 | 46,101.60 | EA//EM =40hr ; EM//TB =320hr ; EM//SM =80hr ; | | | | | | | | | | | |
| 7503-080 | FPA-1 Installed on support platform | | 0 | 11FEB08 | 199 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 7503-090 | Install local Platforms around FPA-1 | 12FEB08 | 10 | 25FEB08 | 200 | | 0.00 | 46,101.60 | EA//EM =40hr ; EM//TB =320hr ; EM//SM =80hr ; | | | | | | | | | | | |
| 7503-110 | FPA-2 Installed on support platform | | 0 | 20MAR08 | 171 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 7503-120 | Test movement of FPA-1& -2 & position checks. | 21MAR08 | 5 | 27MAR08 | 171 | | 0.00 | 23,050.80 | EA//EM =20hr ; EM//TB =160hr ; EM//SM =40hr ; | | | | | | | | | | | |
| 7503-130 | Install local Platforms around FPA-2 | 21MAR08 | 3 | 25MAR08 | 179 | | 0.00 | 46,101.60 | EA//EM =40hr ; EM//TB =320hr ; EM//SM =80hr ; | | | | | | | | | | | |
| 7503-150 | FPA-3 Installed on support platform | | 0 | 25JUN08 | 107 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 7503-160 | Position all FPA's / Spool Pieces @ MC Interface | 26JUN08 | 6 | 03JUL08 | 107 | | 0.00 | 27,660.96 | EA//EM =24hr ; EM//TB =192hr ; EM//SM =48hr ; | | | | | | | | | | | |
| 7503-170 | FPA Metrology Checks to Assure Alignment | 04JUL08 | 3 | 08JUL08 | 107 | | 0.00 | 3,397.56 | EA//EM =12hr ; EM//TB =12hr ; | | | | | | | | | | | |
| 7503-190 | Install local Platforms around FPA-3 | 09JUL08 | 10 | 22JUL08 | 107 | | 0.00 | 46,101.60 | EA//EM =40hr ; EM//TB =320hr ; EM//SM =80hr ; | | | | | | | | | | | |
| 7503-180 | MC Interfaces: shim, ream holes ,bolt together | 23JUL08 | 15 | 12AUG08 | 107 | | 0.00 | 90,404.40 | EA//EM =60hr ; EM//TB =720hr ; EM//SM =120hr ; | | | | | | | | | | | |
| 7503-200 | Mate-up and weld all VV-to-Spool interfaces | 13AUG08 | 15 | 02SEP08 | 107 | | 0.00 | 78,729.60 | EM//SM =120hr ; EM//TB =720hr ; | | | | | | | | | | | |
| 7503-240 | Bolt on preassembled pump duct | 03SEP08 | 5 | 09SEP08 | 107 | | 0.00 | 19,159.20 | EM//SM =40hr ; EM//TB =160hr ; | | | | | | | | | | | |
| 7503-250 | Begin Vac Vsl Pumpdown | 10SEP08 | 0 | | 114 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 7503-260 | PTP Pumpdown & leak check VV | 10SEP08 | 10 | 23SEP08 | 114 | | 0.00 | 52,486.40 | EM//SM =80hr ; EM//TB =480hr ; | | | | | | | | | | | |
| 7503-210 | Fit-up all TF coils | 03SEP08 | 10 | 16SEP08 | 107 | | 0.00 | 60,269.60 | EA//EM =40hr ; EM//TB =480hr ; EM//SM =80hr ; | | | | | | | | | | | |
| 7503-270 | Raise lower PF 4,5&6 coils into final position | 17SEP08 | 6 | 24SEP08 | 107 | | 0.00 | 27,660.96 | EA//EM =24hr ; EM//TB =192hr ; EM//SM =48hr ; | | | | | | | | | | | |
| 7503-280 | Install Upper PF 4,5 & 6 coils | 25SEP08 | 6 | 02OCT08 | 107 | | 0.00 | 27,992.32 | EA//EM =24hr ; EM//TB =192hr ; EM//SM =48hr ; | | | | | | | | | | | |
| 7503-290 | Install PF Solenoid into position (U/L PF1,2,3) | 03OCT08 | 4 | 08OCT08 | 107 | | 0.00 | 19,103.36 | EA//EM =16hr ; EM//TB =128hr ; EM//SM =32hr ; | | | | | | | | | | | |
| 7503-310 | Complete LN2 connections | 09OCT08 | 10 | 22OCT08 | 117 | | 0.00 | 39,695.20 | EM//SM =80hr ; EM//TB =320hr ; | | | | | | | | | | | |
| 7503-320 | Complete Elect Pwr connections | 09OCT08 | 20 | 05NOV08 | 107 | | 0.00 | 108,744.00 | EM//SM =160hr ; EM//TB =960hr ; | | | | | | | | | | | |
| 7503-321 | Complete mag diag & machine I&C | 09OCT08 | 20 | 05NOV08 | 107 | | 0.00 | 50,036.80 | EM//SM =160hr ; EM//TB =320hr ; | | | | | | | | | | | |
| 7503-330 | Begin Cryostat Installation | 06NOV08 | 0 | | 107 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 7503-340 | Install Cryostat Base, vapor barrie& port boots | 06NOV08 | 10 | 19NOV08 | 107 | | 0.00 | 39,695.20 | EM//SM =80hr ; EM//TB =320hr ; | | | | | | | | | | | |
| 7503-350 | Install Cryostat upper section,VB and port boots | 20NOV08 | 10 | 03DEC08 | 107 | | 0.00 | 39,695.20 | EM//SM =80hr ; EM//TB =320hr ; | | | | | | | | | | | |
| 7503-360 | Install Midplane Cryostat sections and port boot | 04DEC08 | 15 | 24DEC08 | 107 | | 0.00 | 59,542.80 | EM//SM =120hr ; EM//TB =480hr ; | | | | | | | | | | | |
| 7503-370 | Install Cryostat Circulation Duct | 25DEC08 | 5 | 31DEC08 | 107 | | 0.00 | 19,847.60 | EM//SM =40hr ; EM//TB =160hr ; | | | | | | | | | | | |
| 730.8200Z | PTP and Cooldown (dup of 730.8200) | 01JAN09 | 10 | 14JAN09 | 185 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 730.1248 | ACC Review | 27NOV08 | 20 | 24DEC08 | 107 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 730.1249 | PSO Operational Readiness Assessment | 25DEC08 | 5 | 31DEC08 | 107 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 730.1250 | PSO Operational Readiness Assessment | | 0 | 31DEC08 | 107 | | 0.00 | 0.00 | | | | | | | | | | | | |

Run Date 27APR05 09:16



0503

NCSX
ECPxx
NEW PROPOSED BASELINE

Sheet 39 of 42

completed tasks not shown

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|---|-------------------------------------|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|--|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 730.8200 | PTP and Cooldown | 01JAN09 | 10 | 14JAN09 | 107 | | 0.00 | 70,169.60 | EM//EM =80hr ; EM//SM =80hr ; EM//TB =480hr ; | | | | | | | | | | | |
| 76 - Tooling Design & Fabrication | | | | | | | | | | | | | | | | | | | | |
| Job: 7601 - Tooling Design & Fabrication | | | | | | | | | | | | | | | | | | | | |
| 713.020 | Lab Fab/Assy/Installation | 01OCT07* | 341* | 30JAN09 | 173 | | 0.00 | 33,191.75 | PERRY=80;em/sm=42;em/tb=140 | | | | | | | | | | | |
| 713.030 | Tooling,assy fixtures,misc equipt | 01OCT07* | 341* | 30JAN09 | 173 | | 0.00 | 84,851.61 | 41=\$60k | | | | | | | | | | | |
| 713.040 | General procurements | 01OCT07* | 341* | 30JAN09 | 173 | | 0.00 | 63,638.71 | 41=\$45k | | | | | | | | | | | |
| 713.050 | Welding tools, materials & equipt | 01OCT07* | 341* | 30JAN09 | 173 | | 0.00 | 56,567.74 | 41=\$40k | | | | | | | | | | | |
| 8 - Project Oversight and Support | | | | | | | | | | | | | | | | | | | | |
| 81 - Project Management and Control | | | | | | | | | | | | | | | | | | | | |
| Job: 8101 - Project Management & Control-NEILSON | | | | | | | | | | | | | | | | | | | | |
| 810.003 | Project Management Office PPPL FY05 | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 352,139.45 | 696,116.95 | Hutch=1502 =;41=06\$K ; 35=08\$K ; strykowsky=1503hr ; pam =1040hr;phil=173 schmidt=141 | | | | | | | | | | | |
| 810.004 | Project Management Office PPPL FY06 | 03OCT05* | 250* | 29SEP06 | 765 | | 0.00 | 720,448.70 | hutch=1503 85% 41=02\$K ; 35=04\$K ; strykowsky=1592 90% ;pam=832 40% ;phil=173 10% schmidt 5%=88hrs | | | | | | | | | | | |
| 810.005 | Project Management Office PPPL FY07 | 02OCT06* | 251* | 28SEP07 | 514 | | 0.00 | 682,074.19 | hutch=1503 85%; strykowsky=1592 90%;pam=832 40% | | | | | | | | | | | |
| 810.900 | Project Management Office PPPL FY08 | 01OCT07* | 253* | 30SEP08 | 261 | | 0.00 | 576,229.66 | hutch=1238 70%; strykowsky=1326 75% ;pam=624 30%;35=2 | | | | | | | | | | | |
| 810.909 | Project Management Office PPPL FY09 | 01OCT08* | 173* | 29MAY09 | 88 | | 0.00 | 196,534.17 | hutch=353 30%; strykowsky=589 50% ;35=1 | | | | | | | | | | | |
| Job: 8102 - NCSX MIE Management ORNL-LYON | | | | | | | | | | | | | | | | | | | | |
| 810.103 | Project Management Office ORNL FY05 | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 46,349.33 | 95,368.98 | ORNLRM =354hr; ornlam=178 ORNL41 =02\$; ORNL35 =03\$; | | | | | | | | | | | |
| 810.104 | Project Management Office ORNL FY06 | 03OCT05* | 250* | 29SEP06 | 514 | | 0.00 | 73,020.37 | ORNLRM =180hr Lyon 15% ORNL41 =2\$ ornlam=141 Admin 8% | | | | | | | | | | | |
| 810.104X | Project Management Office ORNL FY07 | 02OCT06 | 251* | 28SEP07 | 514 | | 0.00 | 50,514.32 | ORNLRM =180hr 10% ORNL41 =2\$ ornlam=88 5% | | | | | | | | | | | |
| 810.105X | Project Management Office ORNL FY08 | 02OCT07* | 251* | 29SEP08 | 262 | | 0.00 | 36,664.00 | ORNLRM =180hr 10% ORNL41 =2\$ ornlam=88 5% | | | | | | | | | | | |
| 82 - Project Engineering | | | | | | | | | | | | | | | | | | | | |
| Job: 8202 - Engr Mgmt & Sys Eng Support-REIERSEN | | | | | | | | | | | | | | | | | | | | |
| 820.003 | Proj engr FY05 | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 252,912.67 | 469,631.02 | wayne=1640 95%; dudek=518 40%;35=7k such=173; gentile=86 | | | | | | | | | | | |
| 820.004 | Proj engr FY06 | 03OCT05* | 250* | 29SEP06 | 765 | | 0.00 | 419,347.10 | wayne=1640;35=5k;dudek=518 such=173; | | | | | | | | | | | |
| 820.04X | Proj engr FY07 | 02OCT06* | 248* | 25SEP07 | 517 | | 0.00 | 251,952.55 | wayne=1036;35=5k;dudek=173 such=173 | | | | | | | | | | | |
| 820.004Z | Proj engr FY08 | 02OCT07* | 249* | 25SEP08 | 264 | | 0.00 | 260,851.29 | wayne=1036;35=5k;dudek=173 such=173 | | | | | | | | | | | |
| 820.005 | Proj engr FY09 | 01OCT08* | 173* | 29MAY09 | 88 | | 0.00 | 110,058.44 | wayne=518;35=3 | | | | | | | | | | | |
| 8205FY05 | System Engr Support FY05 | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 97,016.29 | 199,622.00 | simmons=1208 70% | | | | | | | | | | | |
| 8205FY06 | Systems Engineering Support FY06 | 03OCT05* | 250* | 29SEP06 | 765 | | 0.00 | 158,420.91 | simmons=863 50% | | | | | | | | | | | |
| 8205FY07 | Systems Engineering Support FY06 | 02OCT06* | 252* | 01OCT07 | 513 | | 0.00 | 113,459.48 | simmons=604 35% | | | | | | | | | | | |
| Job: 8203 - Design Integration-BROWN | | | | | | | | | | | | | | | | | | | | |
| 8203FY05 | Design Integration FY05 LOE | 01OCT04A | 251* | 30SEP05 | 1,015 | | 92,371.85 | 171,028.50 | messineo=1035; brown=285 17% | | | | | | | | | | | |

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**NCSX
ECPxx
NEW PROPOSED BASELINE**

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completed tasks not shown

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Gantt Chart | | | | | | | | | | | |
|---|--|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|---------------------------|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| 8203-01 | General Design Integration | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 0.00 | 0.00 | [Gantt bars for 8203-01] | | | | | | | | | | | |
| 8203-02 | Supt interface aux sys dev&coolant/lead routing | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 0.00 | 0.00 | [Gantt bars for 8203-02] | | | | | | | | | | | |
| 8203-03 | Develop /maintain Pro/E model of NCSX facility | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 0.00 | 0.00 | [Gantt bars for 8203-03] | | | | | | | | | | | |
| 8203-04 | Support metrology efforts | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 0.00 | 0.00 | [Gantt bars for 8203-04] | | | | | | | | | | | |
| 8203-06 | Complt rvw of machine assembly approach | 01APR05* | 4 | 06APR05 | 1,140 | | 0.00 | 0.00 | [Gantt bars for 8203-06] | | | | | | | | | | | |
| 8203-07 | Rvw cryostat & conventional magnet sys design | 01APR05* | 9 | 13APR05 | 1,135 | | 0.00 | 0.00 | [Gantt bars for 8203-07] | | | | | | | | | | | |
| 8203-08 | tollerance reqmnts for MCsupt install fixt dwgs | 01APR05* | 39 | 25MAY05 | 1,105 | | 0.00 | 0.00 | [Gantt bars for 8203-08] | | | | | | | | | | | |
| 8203-09 | Machine suprt dsn f/compatibility with assy reqt | 01APR05* | 12 | 18APR05 | 1,132 | | 0.00 | 0.00 | [Gantt bars for 8203-09] | | | | | | | | | | | |
| 8203-10 | Dynamic simul MC half period install fixt w/ Pro | 01APR05* | 42 | 31MAY05 | 1,102 | | 0.00 | 0.00 | [Gantt bars for 8203-10] | | | | | | | | | | | |
| 8203-11 | Document NCSX Interlink& dwg control process | 01APR05* | 11 | 15APR05 | 1,133 | | 0.00 | 0.00 | [Gantt bars for 8203-11] | | | | | | | | | | | |
| 8203-12 | Update definition VV spool piece assy simul | 01APR05* | 19 | 27APR05 | 1,125 | | 0.00 | 0.00 | [Gantt bars for 8203-12] | | | | | | | | | | | |
| 8203FY06 | Design Integration FY06 | 03OCT05* | 250* | 29SEP06 | 765 | | 0.00 | 256,544.01 | [Gantt bars for 8203FY06] | | | | | | | | | | | |
| 8203FY07 | Design Integration FY07 | 02OCT06* | 252* | 01OCT07 | 513 | | 0.00 | 137,444.25 | [Gantt bars for 8203FY07] | | | | | | | | | | | |
| Job: 8204 - Systems Analysis-BROOKS | | | | | | | | | | | | | | | | | | | | |
| 8204FY05 | Systems Analysis FY05 | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 124,723.76 | 256,633.25 | [Gantt bars for 8204FY05] | | | | | | | | | | | |
| 8204FY06 | Systems Analysis FY06 | 03OCT05* | 250* | 29SEP06 | 765 | | 0.00 | 158,420.91 | [Gantt bars for 8204FY06] | | | | | | | | | | | |
| Job: 8205 - Dimensional Control Coordination | | | | | | | | | | | | | | | | | | | | |
| METFY05 | Dimensional control FY05 ECP24 | 01FEB05A | 172* | 30SEP05 | 1,015 | | 14,348.45 | 57,393.80 | [Gantt bars for METFY05] | | | | | | | | | | | |
| METFY052 | Dimensional control FY05 add'l increment | 01APR05* | 129* | 30SEP05 | 1,015 | | 0.00 | 49,068.80 | [Gantt bars for METFY052] | | | | | | | | | | | |
| METFY06 | Dimensional control FY06 | 03OCT05* | 251* | 02OCT06 | 764 | | 0.00 | 150,585.60 | [Gantt bars for METFY06] | | | | | | | | | | | |
| METFY06R | Metrology for FP & machine assy FY06 | 03OCT05* | 250* | 29SEP06 | 765 | | 0.00 | 190,178.52 | [Gantt bars for METFY06R] | | | | | | | | | | | |
| METFY07R | Metrology for FP & machine assy FY07 | 03OCT06* | 251* | 01OCT07 | 513 | | 0.00 | 129,614.38 | [Gantt bars for METFY07R] | | | | | | | | | | | |
| METFY08R | Metrology for FP & machine assy FY08 | 03OCT07* | 250* | 29SEP08 | 262 | | 0.00 | 134,260.20 | [Gantt bars for METFY08R] | | | | | | | | | | | |
| 85 - Integrated Systems Testing | | | | | | | | | | | | | | | | | | | | |
| 920.001 | Procedure and Document Preparation | 14JAN08* | 250 | 31DEC08 | 107 | | 0.00 | 603,660.61 | [Gantt bars for 920.001] | | | | | | | | | | | |
| 920.000 | Startup Personnel | 25NOV08 | 72 | 04MAR09 | 107 | | 0.00 | 706,501.81 | [Gantt bars for 920.000] | | | | | | | | | | | |
| 920.004 | Begin Start-up Testing | 15JAN09 | 0 | | 107 | | 0.00 | 0.00 | [Gantt bars for 920.004] | | | | | | | | | | | |
| 920.005 | Punch list,Cmplt PTP's,Reconfig, Rm temp Hi-pot | 25NOV08 | 37 | 14JAN09 | 107 | | 0.00 | 0.00 | [Gantt bars for 920.005] | | | | | | | | | | | |
| 920.010 | Field Coil Testsing,FCPC test & E-Beam Mapping | 15JAN09 | 25 | 18FEB09 | 107 | | 0.00 | 0.00 | [Gantt bars for 920.010] | | | | | | | | | | | |
| 920.020 | Final ISTP | 19FEB09 | 7 | 27FEB09 | 107 | | 0.00 | 0.00 | [Gantt bars for 920.020] | | | | | | | | | | | |
| 920.021 | Operations Approval | 02MAR09 | 3 | 04MAR09 | 107 | | 0.00 | 0.00 | [Gantt bars for 920.021] | | | | | | | | | | | |
| 730.9000 | First Plasma | | 0 | 04MAR09 | 107 | | 0.00 | 0.00 | [Gantt bars for 730.9000] | | | | | | | | | | | |
| M-0120 | CD-4 First Plasma | | 0 | 31JUL09* | 0 | | 0.00 | 0.00 | [Gantt bars for M-0120] | | | | | | | | | | | |

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**NCSX
ECPxx
NEW PROPOSED BASELINE**

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completed tasks not shown

| Activity ID | Activity Description | Forecast Start | Orig Dur | Forecast Finish | Total Float | PCTC | Earned value cost (BCWP) | RE-BASELINE BUDGET | Timeline (FY05-FY09) | | | | | | | | | | | |
|--------------------------------|---|----------------|----------|-----------------|-------------|------|--------------------------|--------------------|----------------------|------|------|------|------|--|--|--|--|--|--|--|
| | | | | | | | | | FY05 | FY06 | FY07 | FY08 | FY09 | | | | | | | |
| Allocations | | | | | | | | | | | | | | | | | | | | |
| PPPL Allocations | | | | | | | | | | | | | | | | | | | | |
| Job: 8998 - Allocations | | | | | | | | | | | | | | | | | | | | |
| 99.05 | PPPL Allocations FY05 | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 147,110.74 | 302,697.00 | 54=181.8 | | | | | | | | | | | |
| 99.05P | PPPL Allocations FY05 rebase line re-estimate | 01OCT04A | 251* | 30SEP05 | 1,015 | LOE | 23,401.77 | 48,151.80 | 54=28.92 | | | | | | | | | | | |
| 99.06 | PPPL Allocations FY06 | 03OCT05* | 250* | 29SEP06 | 765 | | 0.00 | 340,474.80 | 54=187.9 | | | | | | | | | | | |
| 99.07 | PPPL Allocations FY07 | 02OCT06* | 252* | 01OCT07 | 513 | | 0.00 | 341,437.41 | 54=187.9 | | | | | | | | | | | |
| 99.08 | PPPL Allocations FY08 | 01OCT07* | 252* | 29SEP08 | 262 | | 0.00 | 171,438.96 | 54=92.77 | | | | | | | | | | | |
| Contingency | | | | | | | | | | | | | | | | | | | | |
| Contingency-Project | | | | | | | | | | | | | | | | | | | | |
| 99.105 | Contingency FY05 | 01SEP05* | 21* | 29SEP05 | 1,016 | | 0.00 | 800,069.26 | 54=187.9 | | | | | | | | | | | |
| 99.106 | Contingency FY06 | 03OCT05* | 250* | 29SEP06 | 765 | | 0.00 | 3,000,009.25 | 54=187.9 | | | | | | | | | | | |
| 99.107 | Contingency FY07 | 02OCT06* | 251* | 28SEP07 | 514 | | 0.00 | 2,600,046.99 | 54=187.9 | | | | | | | | | | | |
| 99.108 | Contingency FY08 | 01OCT07* | 253* | 30SEP08 | 261 | | 0.00 | 3,100,056.56 | 54=187.9 | | | | | | | | | | | |
| 99.109 | Contingency FY09 | 01OCT08* | 261* | 30SEP09 | 0 | | 0.00 | 2,742,005.20 | 54=187.9 | | | | | | | | | | | |

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 proposed new baseline
 Progress Bar
 Critical Activity

0503

NCSX
ECPxx
NEW PROPOSED BASELINE

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completed tasks not shown