

| Activity ID | MILEstones vel 2.8 | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | FY07 FY08 FY09 | | | | | | | | | | | | |
|--|--------------------|--|----------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|--|---|---|------|---|---|------|---|---|---|---|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | FY09 | | | | | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J |
| 1204-153 | | Deliver T/C and Heater Tape Leads | 126* | 04JUN07A | 28NOV07 | 28NOV07 | | 132 | 50 | 18,177.76 | 36,355.51 | 41=28.25\$k ; | | | | | | | | | | | | |
| Flux loop junction boxes and spacer templates | | | | | | | | | | | | | | | | | | | | | | | | |
| 1204-173M | | Material Delivery (desifn/fab in job 3101) | 35 | 01JUN07A | 29JUN07A | 08AUG07 | | | 100 | 12,275.12 | 12,275.12 | 41=9.62 | | | | | | | | | | | | |
| Job: 1250 - Vacuum Vessel Fabrication**CLOSED** | | | | | | | | | | | | | | | | | | | | | | | | |
| 99.07W | | Scrap value of Kirksite dies (minimum sale price | 22* | 01MAY07A | 31MAY07A | 31MAY07A | | | 100 | -161,694.72 | -161,694.72 | | | | | | | | | | | | | |
| 99.08W | | Retroactive mxh exclusion adjustment | 22* | 01AUG07A | 31AUG07A | 31AUG07A | | | 0 | -90,000.00 | -90,000.00 | | | | | | | | | | | | | |
| 13 - Conventional Coils | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 1361 - TF Fabrication-KALISH | | | | | | | | | | | | | | | | | | | | | | | | |
| TF Title III and Fabrication Oversight | | | | | | | | | | | | | | | | | | | | | | | | |
| 131-033 | | Title III engr | 348* | 01MAY07A | 18SEP08 | 18SEP08 | | 332 | LOE | 57,305.86 | 212,758.02 | | | | | | | | | | | | | |
| TF Fabrication Contract | | | | | | | | | | | | | | | | | | | | | | | | |
| 1361C-101 | | Fab, Test & Deliver Coil #1 | 35* | 01JUN07A | 20JUL07 | 20JUL07 | | 356 | 90 | 24,489.00 | 27,210.00 | 48=27 ; | | | | | | | | | | | | |
| 1361C-102 | | Fab, Test & Deliver Coil #2 | 45* | 01JUN07A | 03AUG07 | 03AUG07 | | 391 | 45 | 19,615.50 | 43,590.00 | 48=44 ; | | | | | | | | | | | | |
| 1361C-103 | | Fab, Test & Deliver Coil #3 | 44* | 02JUL07* | 31AUG07 | 31AUG07 | | 379 | | 0.00 | 47,210.00 | | | | | | | | | | | | | |
| 1361C-104 | | Fab, Test & Deliver Coil #4 | 1 | 28SEP07* | 28SEP07 | 28SEP07 | | 360 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-104M | 2 | ** DELIVER TF COILS FOR FPA #1 ASSY ** | 0 | | 28SEP07 | 28SEP07 | | 360 | | 0.00 | 0.00 | ***** LEVEL II MILESTONE DATE DECEMBER 2007 ***** | | | | | | | | | | | | |
| 1361C-105 | | Fab, Test & Deliver Coil #5 | 1 | 26OCT07* | 26OCT07 | 26OCT07 | | 422 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-106 | 3 | Fab, Test & Deliver Coil #6 | 1 | 23NOV07* | 23NOV07 | 23NOV07 | | 402 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-107 | | Fab, Test & Deliver Coil #7 | 1 | 21DEC07* | 21DEC07 | 21DEC07 | | 393 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-108 | | Fab, Test & Deliver Coil #8 | 1 | 18JAN08* | 18JAN08 | 18JAN08 | | 380 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-109 | | Fab, Test & Deliver Coil #9 | 1 | 12FEB08* | 12FEB08 | 12FEB08 | | 374 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-110 | | Fab, Test & Deliver Coil #10 | 1 | 06MAR08* | 06MAR08 | 06MAR08 | | 357 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-111 | | Fab, Test & Deliver Coil #11 | 1 | 31MAR08* | 31MAR08 | 31MAR08 | | 348 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-112 | | Fab, Test & Deliver Coil #12 | 1 | 23APR08* | 23APR08 | 23APR08 | | 331 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-113 | | Fab, Test & Deliver Coil #13 | 1 | 16MAY08* | 16MAY08 | 16MAY08 | | 418 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-114 | | Fab, Test & Deliver Coil #14 | 1 | 10JUN08* | 10JUN08 | 10JUN08 | | 402 | | 0.00 | 47,210.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-115 | | Fab, Test & Deliver Coil #15 | 1 | 03JUL08* | 03JUL08 | 03JUL08 | | 385 | | 0.00 | 47,220.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-116 | | Fab, Test & Deliver Coil #16 | 1 | 28JUL08* | 28JUL08 | 28JUL08 | | 369 | | 0.00 | 47,220.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-117 | | Fab, Test & Deliver Coil #17 | 1 | 20AUG08* | 20AUG08 | 20AUG08 | | 352 | | 0.00 | 47,220.00 | 48=47 ; | | | | | | | | | | | | |
| 1361C-118 | | Fab, Test & Deliver Coil #18 | 1 | 12SEP08* | 12SEP08 | 12SEP08 | | 336 | | 0.00 | 47,220.00 | 48=47 ; | | | | | | | | | | | | |
| 1351-195X | 3 | ALL TF COILS DELIVERED | 0 | | 18SEP08 | 18SEP08 | | 332 | | 0.00 | 0.00 | | | | | | | | | | | | | |
| FY07 Rebaseline Exercise | | | | | | | | | | | | | | | | | | | | | | | | |
| ECP53RBX03 | | FY07 Rebaseline exercise | 22* | 01MAY07A | 31MAY07A | 31MAY07A | | | 100 | 1,393.84 | 1,393.84 | | | | | | | | | | | | | |

| Activity ID | MILEstones level 2 & | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | Gantt Chart | | | | | | | | | | | |
|--|-------------------------|---|-------------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|-------------------------------|---|---|------|---|---|---|---|---|------|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | | | | FY09 | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J |
| 1352-121 | | Design/Fab Tooling for PF 5 | 80 | 28MAY08 | 18SEP08 | 18SEP08 | | 15 | | 0.00 | 280,747.50 | 48=273.9\$K ; | | | | | | | | | | | |
| 1352-122 | | Design/Fab Tooling for PF 6 | 80 | 28JUL08* | 17NOV08 | 17NOV08 | | 18 | | 0.00 | 331,639.61 | 48=320.1\$K ; | | | | | | | | | | | |
| 1352-120 | | Tooling for PF 4 | 55 | 25JUL08* | 10OCT08 | 10OCT08 | | 54 | | 0.00 | 74,072.29 | 48=72\$K ; | | | | | | | | | | | |
| 1352-150 | | Fabricate/Dlvr PF 4 lower | 35 | 13OCT08 | 02DEC08 | 02DEC08 | | 54 | | 0.00 | 21,125.10 | 48=20.1 ; | | | | | | | | | | | |
| 1352-151 | | Fabricate/Dlvr PF 4 upper | 45 | 03DEC08 | 12FEB09 | 12FEB09 | | 405 | | 0.00 | 21,125.10 | 48=20.1 ; | | | | | | | | | | | |
| 1352-165 | | Fabricate/Dlvr PF 5 Lower | 45 | 19SEP08 | 20NOV08 | 20NOV08 | | 15 | | 0.00 | 73,821.95 | 48=70.55 ; | | | | | | | | | | | |
| 1352-145 | | Fabricate/Dlvr PF 6 Lower | 45 | 21NOV08 | 04FEB09 | 04FEB09 | | 15 | | 0.00 | 86,654.95 | 48=82.45 ; | | | | | | | | | | | |
| 1352-166 | | Fabricate/Dlvr PF 5 Upper | 35 | 05FEB09 | 25MAR09 | 25MAR09 | | 341 | | 0.00 | 74,148.05 | 48=70.55 ; | | | | | | | | | | | |
| 1352-146 | | Fabricate/Dlvr PF 6 Upper | 35 | 26MAR09 | 13MAY09 | 13MAY09 | | 341 | | 0.00 | 86,654.95 | 48=82.45 ; | | | | | | | | | | | |
| 141-031 | | Title III engr WBS 132 | 241 | 28MAY08 | 14MAY09 | 14MAY09 | | 846 | LOE | 0.00 | 148,348.45 | EA//EM =784hr ; | | | | | | | | | | | |
| 141-900 | | PF4 Lower Inspection & Test | 5 | 03DEC08 | 09DEC08 | 09DEC08 | | 54 | | 0.00 | 3,561.30 | EA//EM =10hr ; EM//TB =20hr ; | | | | | | | | | | | |
| 141-900A | | PF4 Upper Inspection & Test | 5 | 13FEB09 | 19FEB09 | 19FEB09 | | 405 | | 0.00 | 3,561.30 | EA//EM =10hr ; EM//TB =20hr ; | | | | | | | | | | | |
| 141-901 | | PF5 Lower Inspection & Test | 5 | 21NOV08 | 01DEC08 | 01DEC08 | | 60 | | 0.00 | 3,561.30 | EA//EM =10hr ; EM//TB =20hr ; | | | | | | | | | | | |
| 141-902 | | PF6 Lower Inspection & Test | 5 | 05FEB09 | 11FEB09 | 11FEB09 | | 15 | | 0.00 | 3,561.30 | EA//EM =10hr ; EM//TB =20hr ; | | | | | | | | | | | |
| 141-905 | | PF5 Upper Inspection & Test | 5 | 26MAR09 | 01APR09 | 01APR09 | | 376 | | 0.00 | 3,561.30 | EA//EM =10hr ; EM//TB =20hr ; | | | | | | | | | | | |
| 141-906 | | PF6 Upper Inspection & Test | 5 | 14MAY09 | 20MAY09 | 20MAY09 | | 341 | | 0.00 | 3,561.30 | EA//EM =10hr ; EM//TB =20hr ; | | | | | | | | | | | |
| 141-903 | | Refurbish PF 1a | 20 | 18FEB10* | 17MAR10 | 17MAR10 | | 101 | | 0.00 | 6,820.80 | | | | | | | | | | | | |
| 141-904 | | Assemble PF1a and CS structure | 30 | 18MAR10 | 28APR10 | 28APR10 | | 101 | | 0.00 | 21,550.00 | | | | | | | | | | | | |
| Job: 1353 - CS Structure Procurement-DAHLGREN | | | | | | | | | | | | | | | | | | | | | | | |
| CS Support Structure | | | | | | | | | | | | | | | | | | | | | | | |
| 1353-001 | | Design PF1a upper to lower interconnect bus | 30 | 20APR09 | 01JUN09 | 01JUN09 | | 101 | | 0.00 | 12,342.00 | ea//sb=100 | | | | | | | | | | | |
| 1353-002 | | Engr & analysis of bus | 20 | 02JUN09 | 29JUN09 | 29JUN09 | | 101 | | 0.00 | 15,296.80 | ea//em=80 | | | | | | | | | | | |
| 1353-003 | | Bid & Award PF1a bus | 45 | 30JUN09 | 01SEP09 | 01SEP09 | | 101 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 1353-004 | | Award PF1a bus | 0 | | 01SEP09* | 01SEP09* | | 101 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 1353-005 | | Fab & Deliver PF1a bus | 130 | 02SEP09 | 17MAR10 | 17MAR10 | | 101 | | 0.00 | 48,162.54 | | | | | | | | | | | | |
| 163-035 | | Bid & Award CS Support Struct | 45 | 30JUN09 | 01SEP09 | 01SEP09 | | 101 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 163-036.9 | | Award CS Support Structure | 0 | | 01SEP09* | 01SEP09* | | 101 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 163-037 | | CS Support Structure Procurement/Fab | 130 | 02SEP09 | 17MAR10 | 17MAR10 | | 101 | | 0.00 | 247,857.24 | | | | | | | | | | | | |
| 163-015 | | Title III design CS sprt struc | 175* | 30JUN09 | 17MAR10 | 17MAR10 | | 101 | LOE | 0.00 | 13,670.70 | EA//EM =70hr ; | | | | | | | | | | | |
| Job: 1354 - Trim Coil Design & Procurement-KALISH | | | | | | | | | | | | | | | | | | | | | | | |
| Trim Coils | | | | | | | | | | | | | | | | | | | | | | | |
| 1303-101 | | Complete Trim Coil SRD | 10 | 01OCT08* | 14OCT08 | 14OCT08 | | 13 | | 0.00 | 1,529.68 | EA//EM =08hr ; | | | | | | | | | | | |
| 1303-103 | | Analysis | 15 | 15OCT08* | 04NOV08 | 04NOV08 | | 13 | | 0.00 | 15,296.80 | EA//EM =40hr ; rushinski=40 | | | | | | | | | | | |
| 1303-105 | | FDR Dwg for coils and supports | 20 | 05NOV08* | 04DEC08 | 04DEC08 | | 13 | | 0.00 | 16,061.64 | EA//DM =84 ; | | | | | | | | | | | |
| 1303-107 | | Prepare for FDR | 5 | 05DEC08* | 11DEC08 | 11DEC08 | | 13 | | 0.00 | 3,059.36 | EA//EM =16hr ; | | | | | | | | | | | |
| 1303-110 | | Trim Coil FDR | 1 | 12DEC08* | 12DEC08 | 12DEC08 | | 13 | | 0.00 | 1,529.68 | EA//EM =08hr ; | | | | | | | | | | | |
| 1303-112 | | Prepare Procurement Coil Spec | 5 | 15DEC08* | 19DEC08 | 19DEC08 | | 28 | | 0.00 | 4,589.04 | EA//EM =24hr ; | | | | | | | | | | | |
| 1303-114 | | Disposition FDR Chits | 5 | 15DEC08* | 19DEC08 | 19DEC08 | | 28 | | 0.00 | 1,529.68 | EA//EM =08hr ; | | | | | | | | | | | |

| Activity ID | MILEstones level 2 & | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | FY07 FY08 FY09 | | | | | | | | | | | | |
|---|-------------------------|--|----------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|---|---|---|------|---|---|---|---|---|------|---|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | | | | FY09 | | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J |
| Analysis and closeout documentation | | | | | | | | | | | | | | | | | | | | | | | | |
| 1416-601 | 3 | Prepare EM and structural analysis of leads | 27 | 01OCT07* | 06NOV07 | 06NOV07 | | 65 | | 0.00 | 110,106.72 | EA//EM =192hr ; ORNL41=60k (myatt) ornlem=80 | | | | | | | | | | | | |
| 1416-602 | | Design memo KF structural analysis | 126* | 01JUN07A | 27NOV07 | 27NOV07 | | 65 | 50 | 7,595.36 | 15,190.72 | ORNLEM =96hr ; | | | | | | | | | | | | |
| 1416-603 | | Update, review and approve FMECA | 5 | 28NOV07 | 06DEC07 | 06DEC07 | | 65 | | 0.00 | 9,705.60 | ORNLEM =60hr ; | | | | | | | | | | | | |
| 1416-604 | | Finalize draft documents - materials, eddy curre | 5 | 07DEC07 | 13DEC07 | 13DEC07 | | 65 | | 0.00 | 6,470.40 | ORNLEM =40hr ; | | | | | | | | | | | | |
| 1416-605 | 3 | Prepare Type-ABC closeout FDR | 15 | 14DEC07 | 14JAN08 | 14JAN08 | | 65 | | 0.00 | 11,646.72 | ORNLEM =72hr ; | | | | | | | | | | | | |
| 1416-606 | | Resolve FDR comments | 15 | 15JAN08 | 04FEB08 | 04FEB08 | | 65 | | 0.00 | 11,646.72 | ORNLEM =72hr ; | | | | | | | | | | | | |
| Type C Design Closeout | | | | | | | | | | | | | | | | | | | | | | | | |
| 1403-47C | | Perform cool-down/warmup analysis | 26 | 01OCT07* | 05NOV07 | 05NOV07 | | 445 | | 0.00 | 7,430.40 | EA//EM =40hr ; | | | | | | | | | | | | |
| Job: 1408 - MC Winding Supplies-CHRZANOWSKI | | | | | | | | | | | | | | | | | | | | | | | | |
| 1408-1 | | Procure Batt insulation | 0* | 01JUN07A | 29JUN07A | 31MAY07 | | | 100 | 10,208.00 | 10,208.00 | 41=08\$k ; | | | | | | | | | | | | |
| 1408-2 | | Epoxy (existing order) | 187* | 23MAY07A | 25FEB08 | 25FEB08 | | 125 | LOE | 5,816.70 | 58,166.95 | 41=45\$k ; | | | | | | | | | | | | |
| 1408-3 | | Misc and safety supplies (\$7k/mo.) | 188* | 23MAY07A | 26FEB08 | 26FEB08 | | 189 | LOE | 11,727.20 | 81,438.89 | 41=63\$k ; | | | | | | | | | | | | |
| 1408-4 | | Procure & Deliver Thermocouples | 50 | 02JUL07* | 11SEP07 | 11SEP07 | | 14 | | 0.00 | 66,352.00 | | | | | | | | | | | | | |
| 1408-4.1 | | Procure & Deliver Strain Gages | 65 | 03DEC07* | 11MAR08 | 11MAR08 | | 137 | | 0.00 | 49,704.00 | 41=38\$k ; | | | | | | | | | | | | |
| 1408-5 | | Epoxy/glass for mold shell | 164* | 23MAY07A | 23JAN08 | 23JAN08 | | 126 | LOE | 838.79 | 16,775.71 | 41=13\$k ; | | | | | | | | | | | | |
| 1408-6 | | VPI clean manifold contract | 210* | 23MAY07A | 27MAR08 | 27MAR08 | | 128 | LOE | 647.14 | 12,942.86 | 41=10\$k ; | | | | | | | | | | | | |
| 1408-7 | | Misc tech shop support | 250* | 23MAY07A | 22MAY08 | 22MAY08 | | 127 | LOE | 5,413.78 | 50,127.62 | EMT/TB =640 ; | | | | | | | | | | | | |
| 1408-8 | | Cutting hardware for flange bolts | 250* | 23MAY07A | 22MAY08 | 22MAY08 | | 1,089 | LOE | 420.06 | 3,889.44 | 41=3k | | | | | | | | | | | | |
| Job: 1411 - MCWF Fabr. S005242-HEITZENROEDER | | | | | | | | | | | | | | | | | | | | | | | | |
| 99.09W | | Retroactive mxh exclusion adjustment | 213 | 01AUG07A | 31AUG07A | 31AUG07A | | | 0 | -90,000.00 | -90,000.00 | | | | | | | | | | | | | |
| MCWF-001 | | EIO Contract Accrued/cost to date =\$9,216,000k | 213* | 02OCT06A | 30APR07A | 30APR07A | | | 100 | 0.00 | 0.00 | | | | | | | | | | | | | |
| MCWF-002 | | EIO Contract TOTAL EAC =\$9,218,637k | 213* | 30APR07A | 30APR07A | 30APR07A | | | 100 | 0.00 | 0.00 | | | | | | | | | | | | | |
| MCWF-003 | | Contract closeout final cost increment | 20 | 06JUN07A | 06JUN07A | | | | 100 | 2,640.00 | 2,640.00 | | | | | | | | | | | | | |
| MCWF-571 | | B6-MTM - machining/inspection | 230* | 06JUN06A | 06JUN07A | 06JUN07 | | | 100 | 0.00 | 0.00 | | | | | | | | | | | | | |
| MCWF-581 | | B6-Receive at PPPL | 0 | | 07JUN07A | 07JUN07 | | | 100 | 0.00 | 0.00 | | | | | | | | | | | | | |
| MCWF-004 | | PPPL Oversight | 28 | 01MAY07A | 07JUN07A | 08JUN07 | | | 100 | 6,969.20 | 6,969.20 | | | | | | | | | | | | | |
| MCWF-301 | | C6-MTM - machining/inspection | 313* | 03APR06A | 08MAY07A | 08MAY07 | | | 100 | 0.00 | 0.00 | | | | | | | | | | | | | |
| MCWF-311 | | C6-Receive at PPPL | 0 | | 09MAY07A | 09MAY07 | | | 100 | 0.00 | 0.00 | | | | | | | | | | | | | |
| Job: 1451 - Mod Coil Winding-CHRZANOWSKI | | | | | | | | | | | | | | | | | | | | | | | | |
| Station 1a/4 Casting Prep | | | | | | | | | | | | | | | | | | | | | | | | |
| P1-061 | | Receive A5, Prep& Instl Cladding | 51* | 19APR07A | 22MAY07A | 22MAY07 | 2* | | 100 | 47,982.05 | 47,982.05 | | | | | | | | | | | | | |
| P3-061 | | Receive B5, Prep& Instl Cladding | 41* | 25JUN07A | 21AUG07 | 21AUG07 | 1.5 | 37 | 40 | 19,162.76 | 47,906.90 | EM/TB =244hr ; EMT/TB =124 ; EM2/TB =245 ; | | | | | | | | | | | | |

| Activity ID | MILEstones Level 2 & | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | Gantt Chart | | | | | | | | | | | | | | |
|---|-------------------------|--|-------------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|-------------|---|---|------|---|---|---|---|---|------|---|---|---|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | | | | FY09 | | | | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J | A | S |
| Job: 1550 - Coil Struct. Procurement -DAHLGREN | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1501-245 | | Prep Spec,Solicit Bids, and Evaluate Bids | 30 | 05MAY08 | 16JUN08 | 16JUN08 | | 28 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 162-036.9 | 2 | Award Coil Support Structure | 0 | | 16JUN08* | 16JUN08* | | 28 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 162-037 | 2 | Fabricate TF/MCWF mounting Components | 260 | 17JUN08 | 01JUL09 | 01JUL09 | | 28 | | 0.00 | 328,830.26 | | | | | | | | | | | | | | | |
| 162-038 | | Fabricate PF Mounting components | 260 | 17JUN08 | 01JUL09 | 01JUL09 | | 28 | | 0.00 | 268,267.82 | | | | | | | | | | | | | | | |
| 162-039 | | Fabricate Final TF Assy components Components | 260 | 17JUN08 | 01JUL09 | 01JUL09 | | 28 | | 0.00 | 83,133.18 | | | | | | | | | | | | | | | |
| 162-040 | | Fabricate Machine/base support interface | 260 | 17JUN08 | 01JUL09 | 01JUL09 | | 28 | | 0.00 | 92,713.42 | | | | | | | | | | | | | | | |
| 162-050 | | Prep req, bid and award G11/Teflon parts | 20 | 16JUN08* | 14JUL08 | 14JUL08 | | 69 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 162-051 | | Deliver G11/Teflon parts | 90 | 15JUL08 | 18NOV08 | 18NOV08 | | 69 | | 0.00 | 155,701.41 | | | | | | | | | | | | | | | |
| 162-052 | | Prep req, bid and award Inconnel hardware | 20 | 16JUN08* | 14JUL08 | 14JUL08 | | 69 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 162-053 | | Deliver Inconnel hardware | 90 | 15JUL08 | 18NOV08 | 18NOV08 | | 69 | | 0.00 | 107,848.23 | | | | | | | | | | | | | | | |
| 162-055 | | Prep req, bid and award Belleville Washers | 20 | 16JUN08* | 14JUL08 | 14JUL08 | | 69 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 162-057 | | Deliver Belleville Washers | 90 | 15JUL08 | 18NOV08 | 18NOV08 | | 69 | | 0.00 | 25,106.83 | | | | | | | | | | | | | | | |
| 162-031 | | Title III engr WBS 151 | 260 | 17JUN08* | 01JUL09 | 01JUL09 | | 813 | LOE | 0.00 | 14,151.47 | | | | | | | | | | | | | | | |
| 16 - Coil Services | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 1601 - Coil Services Design-GORANSON | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FY07 Rebaseline Exercise | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ECP53RBX08 | | FY07 Rebaseline exercise | 0* | 01JUN07A | 29JUN07A | 31MAY07 | | | | LOE | 6,228.80 | 6,228.80 | | | | | | | | | | | | | | |
| 161 - LN2 Distribution | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 191-001 | | Title I design WBS 161 LN2 manifolds&piping | 65 | 02JAN08* | 01APR08 | 01APR08 | | 99 | | 0.00 | 84,115.20 | | | | | | | | | | | | | | | |
| 191-002 | 3 | PDR WBS 161 LN2 manifolds&piping | 1 | 02APR08 | 02APR08 | 02APR08 | | 99 | | 0.00 | 1,294.08 | | | | | | | | | | | | | | | |
| 191-011 | | Title II design WBS 161 LN2 manifolds&piping | 65 | 03APR08 | 03JUL08 | 03JUL08 | | 99 | | 0.00 | 84,115.20 | | | | | | | | | | | | | | | |
| 191-012 | | FDR WBS 161 LN2 manifolds&piping | 1 | 07JUL08 | 07JUL08 | 07JUL08 | | 99 | | 0.00 | 1,294.08 | | | | | | | | | | | | | | | |
| 191-037 | | Prep Req,Bid,Award-manifolds,hoses,valves etc | 25 | 08JUL08 | 11AUG08 | 11AUG08 | | 99 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 191-038 | | Fab and deliver-manifold assy,hoses,valves etc | 90 | 12AUG08* | 18DEC08 | 18DEC08 | | 99 | | 0.00 | 140,101.51 | | | | | | | | | | | | | | | |
| 191-031 | | Title III engr WBS 161 | 118 | 08JUL08 | 23DEC08 | 23DEC08 | | 941 | LOE | 0.00 | 27,796.89 | | | | | | | | | | | | | | | |
| 162 - Electrical Leads | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 132-001 | | Title I design WBS 162 Coil leads | 155 | 02JUN08* | 19JAN09 | 19JAN09 | | 49 | | 0.00 | 152,991.50 | | | | | | | | | | | | | | | |
| 132-002 | | PDR WBS 162 Coil leads | 1 | 20JAN09 | 20JAN09 | 20JAN09 | | 49 | | 0.00 | 1,387.28 | | | | | | | | | | | | | | | |
| 132-011 | | Title II design WBS 162 Coil leads | 155 | 21JAN09 | 27AUG09 | 27AUG09 | | 150 | | 0.00 | 158,843.56 | | | | | | | | | | | | | | | |
| 132-012 | | FDR WBS 162 Coil leads | 1 | 28AUG09 | 28AUG09 | 28AUG09 | | 150 | | 0.00 | 1,387.28 | | | | | | | | | | | | | | | |
| 132-015 | | Title III design WBS 162 Coil leads | 99 | 31AUG09 | 29JAN10 | 29JAN10 | | 222 | LOE | 0.00 | 19,579.88 | | | | | | | | | | | | | | | |
| 132-037 | | Prep Req,Bid,Award Lead hardware and cables | 25 | 31AUG09 | 05OCT09 | 05OCT09 | | 150 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 132-038 | | Deliver Lead hardware and cables | 65 | 06OCT09 | 18JAN10 | 18JAN10 | | 150 | | 0.00 | 114,187.68 | | | | | | | | | | | | | | | |
| 132-047 | | Prep Req,Bid,Award Material for transition box | 25 | 31AUG09 | 05OCT09 | 05OCT09 | | 216 | | 0.00 | 0.00 | | | | | | | | | | | | | | | |
| 132-048 | | Deliver Material for Transition Boxes | 40 | 06OCT09 | 02DEC09 | 02DEC09 | | 216 | | 0.00 | 9,909.44 | | | | | | | | | | | | | | | |

| Activity ID | MILEstones Level 2 & 3 | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | Gantt Chart | | | | | | | | | | | | |
|--|---------------------------|--|----------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|---------------------------------|---|---|------|---|---|---|---|---|------|---|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | | | | FY09 | | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J |
| 132-049 | | Assemble Transition boxes (6) | 40 | 03DEC09 | 08FEB10 | 08FEB10 | | 216 | | 0.00 | 20,462.40 | | | | | | | | | | | | | |
| 163 - Coil Protection System | | | | | | | | | | | | | | | | | | | | | | | | |
| 163.001 | | Design Coil protection(input to WBS 4 & 5) | 65 | 01OCT08* | 12JAN09 | 12JAN09 | | 80 | | 0.00 | 38,150.20 | ORNLEM =220hr ; | | | | | | | | | | | | |
| 17 - Cryostat and Base Support Structure | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 1702 - Base Support Struct Design-DAHLGREN | | | | | | | | | | | | | | | | | | | | | | | | |
| 1702-510 | | Base support structure prel. design & analysis | 40 | 01OCT07* | 23NOV07 | 23NOV07 | | 65 | | 0.00 | 74,675.52 | EA//EM =178hr ; EA//DM =224 ; | | | | | | | | | | | | |
| 1702-515 | 3 | Conduct PDR | 1 | 26NOV07 | 26NOV07 | 26NOV07 | | 65 | | 0.00 | 743.04 | EA//EM =04hr ; | | | | | | | | | | | | |
| 1702-520 | | Final design. Assy dwgs, fab dwgs, BOMs,specs/SO | 40 | 27NOV07 | 01FEB08 | 01FEB08 | | 65 | | 0.00 | 74,675.52 | EA//EM =178hr ; EA//DM =224 ; | | | | | | | | | | | | |
| 1702-525 | 2 | FDR | 1 | 04FEB08 | 04FEB08 | 04FEB08 | | 65 | | 0.00 | 743.04 | EA//EM =04hr ; | | | | | | | | | | | | |
| 1702-530 | | Resolve chits, issue dwgs for fab,Issue requisit | 20 | 05FEB08 | 03MAR08 | 03MAR08 | | 65 | | 0.00 | 12,631.68 | ea//em=36; ea//dm=32 | | | | | | | | | | | | |
| Job: 1752 - Base Support Proc-DAHLGREN | | | | | | | | | | | | | | | | | | | | | | | | |
| 172 - Base Support Structure | | | | | | | | | | | | | | | | | | | | | | | | |
| 161-036.8 | 3 | Bid and award base support materials | 25 | 15MAY08* | 19JUN08 | 19JUN08 | | 13 | | 0.00 | 0.00 | | | | | | | | | | | | | |
| 161-036.9 | 3 | Deliver base support materials | 65 | 20JUN08 | 22SEP08 | 22SEP08 | | 13 | | 0.00 | 51,587.52 | 41=39.438\$K ; | | | | | | | | | | | | |
| 161-037 | | PPPL assemble structure | 35 | 23SEP08* | 10NOV08 | 10NOV08 | | 13 | | 0.00 | 29,786.74 | EMT/TB=363 ; | | | | | | | | | | | | |
| 161-038 | | Title III | 261 | 04MAR08* | 19MAR09 | 19MAR09 | | 886 | LOE | 0.00 | 8,277.26 | ea//em=44 | | | | | | | | | | | | |
| Job: 1701 - Cryostat Design-GETTLEFINGER | | | | | | | | | | | | | | | | | | | | | | | | |
| 1701-100 | | Cryostat- Conceptual Design | 65 | 01OCT08* | 12JAN09 | 12JAN09 | | 55 | | 0.00 | 15,888.00 | EM//EM =96 | | | | | | | | | | | | |
| 1701-101 | | Cryostat- Preliminary Design | 70 | 21JAN09 | 28APR09 | 28APR09 | | 49 | | 0.00 | 73,446.84 | EM//EM =144hr ; EA//SB =402hr ; | | | | | | | | | | | | |
| 1701-102 | | Cryostat- Stress analysis | 43 | 27FEB09* | 28APR09 | 28APR09 | | 49 | | 0.00 | 38,242.00 | EA//EM=200 | | | | | | | | | | | | |
| 1701-103 | | Cryostat- Joint R&D | 10 | 15APR09* | 28APR09 | 28APR09 | | 49 | | 0.00 | 3,298.40 | EM//TB=40 | | | | | | | | | | | | |
| 1701-121 | | Cryostat- PDR | 1 | 29APR09 | 29APR09 | 29APR09 | | 49 | | 0.00 | 1,324.00 | EM//EM =08hr ; | | | | | | | | | | | | |
| 1701-131 | | Cryostat- Final Design | 70 | 30APR09 | 07AUG09 | 07AUG09 | | 49 | | 0.00 | 73,446.84 | EM//EM =144hr ; EA//SB =402hr ; | | | | | | | | | | | | |
| 1701-141 | | Cryostat- FDR | 1 | 10AUG09 | 10AUG09 | 10AUG09 | | 49 | | 0.00 | 1,324.00 | | | | | | | | | | | | | |
| Job: 1751 - Cryostat Procurement-GETTLEFINGER | | | | | | | | | | | | | | | | | | | | | | | | |
| 1751-151 | | Cryostat- Procure Materials and Supplies | 65 | 01OCT09* | 13JAN10 | 13JAN10 | | 122 | | 0.00 | 174,575.12 | | | | | | | | | | | | | |
| 1751-161 | | Cryostat- Fabricate Components | 65 | 14JAN10 | 14APR10 | 14APR10 | | 122 | | 0.00 | 88,670.40 | | | | | | | | | | | | | |
| 1751-171 | | Cryostat- Title III | 90 | 01OCT09 | 17FEB10 | 17FEB10 | | 660 | LOE | 0.00 | 61,606.80 | | | | | | | | | | | | | |
| 18 - Field Period Assembly | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 1803/1805- FPA Tooling/Constr-BROWN/DUDEK | | | | | | | | | | | | | | | | | | | | | | | | |
| Station 2-Modular Coil Sub- Assembly | | | | | | | | | | | | | | | | | | | | | | | | |
| 1803-2.1 | | Assembly sequence plan drafted | 28 | 01MAY07A | 08JUN07A | 08JUN07 | | | 100 | 0.00 | 0.00 | | | | | | | | | | | | | |

| Activity ID | MILEstones vel 2.8 | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | Gantt Chart | | | | | | | | | | | | |
|--|--------------------|--|----------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|------------------------------------|---|---|------|---|---|---|---|---|------|---|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | | | | FY09 | | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J |
| 1803-2.2 | | Procure 2 20degree wedge fixt (for total of 6) | 90 | 04SEP07* | 18JAN08 | 18JAN08 | | 80 | | 0.00 | 0.00 | 41=92.8k**ON HOLD** NOT BUDGETED** | | | | | | | | | | | | |
| Station 3-Modular Coil to VVSA Assembly | | | | | | | | | | | | | | | | | | | | | | | | |
| 1803-3.2 | | Finalize drawings for internal review and outsid | 3 | 25JUN07A | 27JUN07A | 27JUN07 | | | 100 | 0.00 | 0.00 | | | | | | | | | | | | | |
| 1803-3.3 | | Analyze single point lift | 10* | 28JUN07A | 12JUL07 | 12JUL07 | | 53 | 90 | 8,781.19 | 9,756.88 | | | | | | | | | | | | | |
| 1803-3.4 | 3 | Stage 3 support FDR | 3* | 13JUL07* | 17JUL07 | 13JUL07 | | 53 | | 0.00 | 0.00 | | | | | | | | | | | | | |
| 1803-3.5 | | Flange bolt/VV support access platform | 8 | 02JUL07* | 12JUL07 | 12JUL07 | | 56 | | 0.00 | 13,495.20 | | | | | | | | | | | | | |
| 1803-3.6 | | Revise drawings per FDR input and release for Fa | 2 | 18JUL07 | 19JUL07 | 17JUL07 | | 53 | | 0.00 | 5,398.08 | EA/SB =48hr ; | | | | | | | | | | | | |
| 1803-3.7 | | Transportation study (move between test cells) | 2 | 20JUL07 | 23JUL07 | 19JUL07 | | 115 | | 0.00 | 4,498.40 | EA/SB =40hr ; | | | | | | | | | | | | |
| 1803-3.8 | | Generate laser trace drawing for each screen | 20 | 18JUL07 | 14AUG07 | 10AUG07 | | 99 | | 0.00 | 8,996.80 | EA/SB =80hr ; | | | | | | | | | | | | |
| 1803-3.9 | | Assembly sequence plan | 18 | 01JUN07A | 26JUN07A | 26JUN07 | | | 100 | 6,969.20 | 6,969.20 | EA/EM =40hr ; | | | | | | | | | | | | |
| 1803-3.10 | | VV/MC clearance report (for VVSA1, 2 and 3) | 0* | 27JUL07A | 26JUL07 | 26JUL07 | | 112 | | 4,139.70 | 12,544.56 | EA/EM =72hr ; | | | | | | | | | | | | |
| 1803-3.11 | | Procure materials and fixture | 88 | 20JUL07* | 21NOV07 | 19NOV07 | | 53 | | 0.00 | 60,479.57 | 41=46.891\$K ; | | | | | | | | | | | | |
| Station 5-Final Field Period Assembly | | | | | | | | | | | | | | | | | | | | | | | | |
| 1803-5.1 | | Complete FP support models | 92* | 01JUN07A | 10OCT07 | 10OCT07 | | 122 | 25 | 6,786.47 | 27,145.88 | ea/sb=240 | | | | | | | | | | | | |
| 1803-5.5 | | Design followup & prelim analysis | 20 | 01AUG07* | 28AUG07 | 28AUG07 | | 182 | | 0.00 | 10,453.80 | ea/em=60 | | | | | | | | | | | | |
| 1803-5.2 | | Complete platform models | 15 | 11OCT07 | 31OCT07 | 31OCT07 | | 122 | | 0.00 | 9,592.80 | EA/SB =80hr ; | | | | | | | | | | | | |
| 1803-5.3 | | PDR | 0 | | 07NOV07 | 07NOV07 | | 122 | | 0.00 | 0.00 | ▼ | | | | | | | | | | | | |
| R1802-503 | | Sequence plan | 20 | 01MAY07A | 30MAY07A | 30MAY07 | | | 100 | 0.00 | 0.00 | | | | | | | | | | | | | |
| 1803-5.4 | | Structural Analysis | 10 | 08NOV07* | 21NOV07 | 21NOV07 | | 122 | | 0.00 | 11,145.60 | EA/EM =60hr ; | | | | | | | | | | | | |
| 1803-5.6 | 3 | Station 5 FDR | 0 | | 21NOV07 | 21NOV07 | | 122 | | 0.00 | 0.00 | ▼ | | | | | | | | | | | | |
| 1803-5.7 | | Complete dwg package and release for Fa | 20 | 22NOV07 | 21DEC07 | 21DEC07 | | 122 | | 0.00 | 14,389.20 | EA/SB =120hr ; | | | | | | | | | | | | |
| 1803-5.8 | | Complete models and dwgs for test cell metrology | 13* | 02JAN08 | 18JAN08 | 14JAN08 | | 154 | | 0.00 | 19,185.60 | EA/SB =160hr ; | | | | | | | | | | | | |
| 1803-5.9 | | Procure materials and fixture (2 stations) | 65 | 02JAN08 | 01APR08 | 01APR08 | | 122 | | 0.00 | 94,071.36 | 41=71.92\$K ; | | | | | | | | | | | | |
| 6.00-Final Machine Assembly | | | | | | | | | | | | | | | | | | | | | | | | |
| 1803-6.1 | | Complete Stage 6 support models | 50 | 03DEC07* | 19FEB08 | 19FEB08 | | 69 | | 0.00 | 28,778.40 | EA/SB =240 | | | | | | | | | | | | |
| 1803-6.2 | | Complete platform models | 30 | 20FEB08 | 01APR08 | 01APR08 | | 69 | | 0.00 | 9,592.80 | EA/SB =80 | | | | | | | | | | | | |
| 1803-6.3 | | Structural Analysis | 30 | 03DEC07* | 22JAN08 | 22JAN08 | | 119 | | 0.00 | 22,291.20 | Plan =120hr ; | | | | | | | | | | | | |
| 1803-6.4 | | PDR | 0 | | 01APR08 | 01APR08 | | 69 | | 0.00 | 0.00 | ▼ | | | | | | | | | | | | |
| 1803-6.5 | | Complete drawing package | 40 | 02APR08 | 28MAY08 | 28MAY08 | | 69 | | 0.00 | 19,185.60 | EA/SB =160 | | | | | | | | | | | | |
| 1803-6.6 | 3 | Station 6 FDR | 0 | | 04JUN08 | 04JUN08 | | 69 | | 0.00 | 0.00 | ▼ | | | | | | | | | | | | |
| 1803-6.7 | | Revise drawings per FDR input and release for Fa | 5 | 05JUN08 | 11JUN08 | 11JUN08 | | 69 | | 0.00 | 0.00 | | | | | | | | | | | | | |
| 1803-6.9 | | Design followup and prelim analysis | 82 | 03DEC07* | 03APR08 | 03APR08 | | 112 | | 0.00 | 22,291.20 | Brown=120hr ; | | | | | | | | | | | | |
| 1803-6.8 | | Procure materials and fixture | 65 | 02SEP08* | 03DEC08 | 03DEC08 | | 13 | | 0.00 | 111,484.70 | 41=81.48\$K ; | | | | | | | | | | | | |
| Job: 1806 - FP Assembly specs and drawings-COLE | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.00-VV Prep Station | | | | | | | | | | | | | | | | | | | | | | | | |
| 1803-609 | 3 | Detail dwgs-spool piece | 50 | 22AUG08 | 31OCT08 | 31OCT08 | | 288 | | 0.00 | 17,008.28 | ORNLDM =200hr ; | | | | | | | | | | | | |

| Activity ID | MILEstones Level 2 & 3 | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | FY07 FY08 FY09 | | | | | | | | | | | | |
|-------------|---------------------------|--|----------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|----------------|---|---|------|---|---|------|---|---|---|---|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | FY09 | | | | | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J |
| S53-13.05 | | Make a final measurement of all fiducials | 3 | 16OCT09 | 20OCT09 | 20OCT09 | 2 | 0 | | 0.00 | 0.00 | | | | | | | | | | | | | |
| S53-13.11 | | Check Assembly (bolts, etc) | 2 | 21OCT09 | 22OCT09 | 22OCT09 | 2 | 0 | | 0.00 | 8,526.00 | | | | | | | | | | | | | |
| S53-13.12 | | Check Diagnostics (Loops, thermocouples) | 3 | 23OCT09 | 27OCT09 | 27OCT09 | 2 | 0 | | 0.00 | 8,526.00 | | | | | | | | | | | | | |
| S53-13.13 | | Check manifolds (pressure, flow, etc.) | 2 | 28OCT09 | 29OCT09 | 29OCT09 | 2 | 0 | | 0.00 | 8,526.00 | | | | | | | | | | | | | |
| S53-13.14 | | Check 6 modcoils (voltage etc) | 3 | 30OCT09 | 03NOV09 | 03NOV09 | 2 | 0 | | 0.00 | 10,231.20 | | | | | | | | | | | | | |
| S53-13.15 | | Check trim coils (voltage etc) | 2 | 04NOV09 | 05NOV09 | 05NOV09 | 2 | 0 | | 0.00 | 5,115.60 | | | | | | | | | | | | | |
| S53-13.16 | | Check TF coils (voltage etc) | 3 | 06NOV09 | 10NOV09 | 10NOV09 | 2 | 0 | | 0.00 | 10,231.20 | | | | | | | | | | | | | |
| S53-14.01 | | Install crane rigging to completed Period assy | 1 | 11NOV09 | 11NOV09 | 11NOV09 | 2 | 0 | | 0.00 | 3,410.40 | | | | | | | | | | | | | |
| S53-14.02 | | Remove platforms | 1 | 12NOV09 | 12NOV09 | 12NOV09 | 2 | 0 | | 0.00 | 1,705.20 | | | | | | | | | | | | | |
| S53-14.03 | | Transfer Period 3 to Station 6 in NCSX tTC. | 1 | 13NOV09 | 13NOV09 | 13NOV09 | 2 | 0 | | 0.00 | 3,410.40 | | | | | | | | | | | | | |
| R1810-5333 | | Last field period assembled | 0 | | 13NOV09 | 13NOV09 | 2 | 0 | | 0.00 | 0.00 | | | | | | | | | | | | | |

19 - Stellarator Core Management and Integration

Job: 1901 - Stellarator Core Mngt&Integr-COLE

191 - Stellarator Core Management & Oversight

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--------------|--------|------|----------|---------|---------|---|-------|-----|-----------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 1901-07 | WBS 191 FY07 | LOE | 106* | 01MAY07A | 28SEP07 | 28SEP07 | 1 | 1,249 | LOE | 31,416.46 | 77,380.44 | | | | | | | | | | | | | | cole=.50 fte nelson=.15 fte ; 35=05\$K ; | |
| 1901-08 | WBS 191 FY08 | LOE | 249* | 01OCT07* | 29SEP08 | 29SEP08 | 1 | 1,000 | LOE | 0.00 | 208,453.58 | | | | | | | | | | | | | | | 06\$K ; |
| 1901-09 | WBS 191 FY09 | LOE | 247* | 01OCT08* | 28SEP09 | 28SEP09 | 1 | 752 | LOE | 0.00 | 221,094.09 | | | | | | | | | | | | | | | le=.50 fte nelson=.15 fte ; 35=06\$K ; |
| 1901-10 | WBS 191 FY10 | SA LOE | 248* | 01OCT09* | 30SEP10 | 30SEP10 | 1 | 502 | LOE | 0.00 | 229,029.48 | | | | | | | | | | | | | | | 141=20.38k |
| 1901-11 | WBS 191 FY10 | LOE | 79* | 01OCT10* | 31JAN11 | 31JAN11 | 1 | 423 | LOE | 0.00 | 95,379.48 | | | | | | | | | | | | | | | |

192 - Stellarator Core Integration & Analysis

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--------------|--|------|----------|---------|---------|---|-------|-----|-----------|------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|------------------------|------------------------|
| 1902-07 | WBS 192 FY07 | | 106* | 01MAY07A | 28SEP07 | 28SEP07 | 1 | 1,249 | LOE | 34,177.36 | 84,180.68 | | | | | | | | | | | | | | | omlem=.55; om1 dsnr=.3 | |
| 1902-08 | WBS 192 FY08 | | 249* | 01OCT07* | 29SEP08 | 29SEP08 | 1 | 1,000 | LOE | 0.00 | 199,924.56 | | | | | | | | | | | | | | | | om135=3k |
| 1902-09 | WBS 192 FY09 | | 247* | 01OCT08* | 28SEP09 | 28SEP09 | 1 | 752 | LOE | 0.00 | 210,949.08 | | | | | | | | | | | | | | | | snr=.3 |
| 1902-10 | WBS 192 FY10 | | 248* | 01OCT09* | 30SEP10 | 30SEP10 | 1 | 502 | LOE | 0.00 | 219,015.60 | | | | | | | | | | | | | | | | omlem=.55; om1 dsnr=.3 |
| 1902-11 | WBS 192 FY10 | | 79* | 01OCT10* | 31JAN11 | 31JAN11 | 1 | 423 | LOE | 0.00 | 74,333.10 | | | | | | | | | | | | | | | | om135=3k |

2 - Plasma Heating, Fueling & Vac Systems

21 - Fueling Systems

Job: 2101 - Fueling Systems-BLANCHARD

| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|--|-------------------------------|----|----------|---------|---------|--|-----|-----|------|-----------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 211-101 | | Preliminary Design | 20 | 01SEP09* | 29SEP09 | 29SEP09 | | 55 | | 0.00 | 12,552.88 | | | | | | | | | | | | | | | | |
| 211-105 | | PDR | 1 | 30SEP09 | 30SEP09 | 30SEP09 | | 55 | | 0.00 | 0.00 | | | | | | | | | | | | | | | | |
| 211-109 | | Final Design | 20 | 01OCT09 | 28OCT09 | 28OCT09 | | 55 | | 0.00 | 21,133.36 | | | | | | | | | | | | | | | | |
| 211-113 | | FDR | 1 | 29OCT09 | 29OCT09 | 29OCT09 | | 55 | | 0.00 | 0.00 | | | | | | | | | | | | | | | | |
| 211-117 | | Title III | 85 | 30OCT09 | 11MAR10 | 11MAR10 | | 644 | LOE | 0.00 | 2,738.08 | | | | | | | | | | | | | | | | |
| 211-121 | | Procure Material and Supplies | 65 | 30OCT09 | 11FEB10 | 11FEB10 | | 55 | | 0.00 | 7,160.00 | | | | | | | | | | | | | | | | |

| Activity ID | MILEstones Level 2 & | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | Gantt Chart | | | | | | | | | | | | |
|--|-------------------------|--|----------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|--|---|---|------|---|---|---|---|---|------|---|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | | | | FY09 | | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J |
| 43 - DC Systems | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 4301 - DC Systems-RAMAKRISHNAN | | | | | | | | | | | | | | | | | | | | | | | | |
| 431 - C-Site DC Systems | | | | | | | | | | | | | | | | | | | | | | | | |
| 431-200 | | Condition/spare parts inventory | 20 | 01OCT08* | 28OCT08 | 28OCT08 | | 387 | | 0.00 | 2,308.00 | EE//EM =08hr ; EE//SM =06hr ; | | | | | | | | | | | | |
| 431-210 | | Organize & verify documentation | 20 | 29OCT08* | 25NOV08 | 25NOV08 | | 387 | | 0.00 | 4,531.16 | EA//SB =10hr ; EE//EM =16hr ; EE//SM =03hr ; | | | | | | | | | | | | |
| 431-215 | | Document status | 10 | 26NOV08* | 11DEC08 | 11DEC08 | | 387 | | 0.00 | 2,857.28 | EE//EM =16hr ; | | | | | | | | | | | | |
| 431-225 | | Reactivate DF & PEI units | 15 | 12DEC08* | 12JAN09 | 12JAN09 | | 387 | | 0.00 | 22,697.68 | EE//EM =40hr ; EE//SM =08hr ; EE//TB =40hr ; 41=08\$K ; | | | | | | | | | | | | |
| 431-230 | | Duummy Load test of DF & PEI units | 15 | 13JAN09* | 02FEB09 | 02FEB09 | | 387 | | 0.00 | 11,490.04 | EE//EM =32hr ; EE//TB =40hr ; EE//SM =08hr ; 41=01\$K ; | | | | | | | | | | | | |
| 431-240 | | Simulate each of 6 pwr loops in PSCAD | 90 | 01OCT08* | 16FEB09 | 16FEB09 | | 260 | | 0.00 | 18,572.32 | EE//EM =104hr ; | | | | | | | | | | | | |
| 431-250 | | c-site dc sys DGS dsn documentation | 90 | 01OCT08* | 16FEB09 | 16FEB09 | | 260 | | 0.00 | 61,765.20 | EA//SB =240hr ; EE//EM =180hr ; | | | | | | | | | | | | |
| 431-261 | | Redo power loop design | 90 | 01OCT08* | 16FEB09 | 16FEB09 | | 260 | | 0.00 | 52,479.04 | EA//SB =240hr ; EE//EM =128hr ; | | | | | | | | | | | | |
| 431-265 | | Fabricate bus components | 20 | 29JUL09* | 25AUG09 | 25AUG09 | | 146 | | 0.00 | 86,139.48 | | | | | | | | | | | | | |
| 431-275 | | Power cabling & Installation | 97 | 02NOV09* | 30MAR10 | 30MAR10 | | 99 | | 0.00 | 317,964.40 | | | | | | | | | | | | | |
| 431-276 | | Maint of C-site rectifiers | 501 | 01OCT07* | 02OCT09 | 02OCT09 | | 216 | LOE | 0.00 | 22,026.38 | 120hr ; | | | | | | | | | | | | |
| 44 - Control and protection Systems | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 4401 - Control & Protection-RAMAKRISHNAN | | | | | | | | | | | | | | | | | | | | | | | | |
| 441 - Electrical Interlocks | | | | | | | | | | | | | | | | | | | | | | | | |
| 441-095 | | Design Interlock sys | 65 | 01JUN09* | 31AUG09 | 31AUG09 | | 241 | | 0.00 | 30,948.00 | EA//SB =40hr ; EE//EM =80hr ; EE//SM =80hr ; | | | | | | | | | | | | |
| 441-097 | | Install Interlock sys | 40 | 01SEP09 | 27OCT09 | 27OCT09 | | 241 | | 0.00 | 26,431.48 | | | | | | | | | | | | | |
| 441-100 | | PLC Specification | 20 | 02MAR09* | 27MAR09 | 27MAR09 | | 75 | | 0.00 | 12,493.28 | EE//EM =24hr ; EE//SM =56hr ; | | | | | | | | | | | | |
| 441-105 | | Prep Block diagrams | 20 | 30MAR09 | 24APR09 | 24APR09 | | 75 | | 0.00 | 16,010.72 | EE//EM =24hr ; EE//SM =80hr ; | | | | | | | | | | | | |
| 441-110 | | PLC CWD's & Cabling | 40 | 27APR09* | 22JUN09 | 22JUN09 | | 75 | | 0.00 | 63,679.68 | EE//EM =16hr ; EE//SM =240hr ; EE//TB =320hr ; | | | | | | | | | | | | |
| 441-115 | | deliver PLC | 130 | 23JUN09 | 06JAN10 | 06JAN10 | | 75 | | 0.00 | 98,920.77 | 41=70\$K ; | | | | | | | | | | | | |
| 441-120 | | Program PLC Logic | 45 | 07JAN10 | 10MAR10 | 10MAR10 | | 75 | | 0.00 | 48,189.60 | | | | | | | | | | | | | |
| 441-125 | | Program Control pages | 40 | 11MAR10 | 05MAY10 | 05MAY10 | | 75 | | 0.00 | 30,509.20 | | | | | | | | | | | | | |
| 441-130 | | Pre-commissioning tests | 20 | 06MAY10 | 03JUN10 | 03JUN10 | | 75 | | 0.00 | 27,004.00 | | | | | | | | | | | | | |
| 441-135 | | Install I/O Cabling control & protection | 90 | 25FEB10 | 01JUL10 | 01JUL10 | | 75 | | 0.00 | 127,497.20 | | | | | | | | | | | | | |
| 442 - Kirk Key Interlocks | | | | | | | | | | | | | | | | | | | | | | | | |
| 442-1-2 | | Kirk Keys-Dsn | 40 | 01OCT09* | 25NOV09 | 25NOV09 | | 45 | | 0.00 | 23,657.60 | | | | | | | | | | | | | |
| 442-1-4 | | Kirk Keys-Procure | 65 | 30NOV09 | 10MAR10 | 10MAR10 | | 45 | | 0.00 | 19,434.40 | | | | | | | | | | | | | |
| 442-1-6 | | Kirk Keys-Install | 90 | 01APR10* | 06AUG10 | 06AUG10 | | 30 | | 0.00 | 34,702.00 | | | | | | | | | | | | | |
| 442-1-8 | | Kirk Keys-Commission | 20 | 09AUG10 | 03SEP10 | 03SEP10 | | 30 | | 0.00 | 7,643.00 | | | | | | | | | | | | | |

| Activity ID | MILEstones Level 2 & 3 | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | FY07 FY08 FY09 | | | | | | | | | | | | |
|---|---------------------------|---|----------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|---|---|---|------|---|---|------|---|---|---|---|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | FY09 | | | | | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J |
| 52 - Central Instrumentation & Control | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 5201 - I&C Systems-SICHTA | | | | | | | | | | | | | | | | | | | | | | | | |
| R52-10 | | Preliminary Design | 30 | 02MAR09* | 10APR09 | 10APR09 | | 49 | | 0.00 | 6,203.60 | EC//EM =40hr ; | | | | | | | | | | | | |
| R52-11 | | PDR | 0 | | 10APR09 | 10APR09 | | 49 | | 0.00 | 0.00 | EC//EM =40hr ; | | | | | | | | | | | | |
| R52-20 | | Final Design | 60 | 13APR09 | 07JUL09 | 07JUL09 | | 49 | | 0.00 | 6,203.60 | EC//EM =20hr ; 37=03 ; 43=17 ; 41=18\$K ; | | | | | | | | | | | | |
| R52-21 | | FDR | 0 | | 07JUL09 | 07JUL09 | | 49 | | 0.00 | 0.00 | EC//EM =40hr ; | | | | | | | | | | | | |
| R52-30 | | Procurement | 30 | 08JUL09 | 18AUG09 | 18AUG09 | | 49 | | 0.00 | 33,500.80 | EC//EM =20hr ; 37=03 ; 43=17 ; 41=18\$K ; | | | | | | | | | | | | |
| R52-40 | | EPICS Programming - Base | 10 | 19AUG09 | 01SEP09 | 01SEP09 | | 49 | | 0.00 | 12,407.20 | | | | | | | | | | | | | |
| R52-50 | | EPICS Programming - VDCT db editor | 30 | 02SEP09 | 14OCT09 | 14OCT09 | | 229 | | 0.00 | 6,273.87 | | | | | | | | | | | | | |
| R52-60 | | IOC Programming - MDSplus data & events | 30 | 02SEP09 | 14OCT09 | 14OCT09 | | 229 | | 0.00 | 18,821.60 | | | | | | | | | | | | | |
| R52-70 | | OPC - EPICS/PLC Interface | 90 | 02SEP09 | 20JAN10 | 20JAN10 | | 49 | | 0.00 | 28,002.44 | | | | | | | | | | | | | |
| R52-80 | | Appl. Programming-T/C | 30 | 21JAN10 | 03MAR10 | 03MAR10 | | 49 | | 0.00 | 12,828.80 | | | | | | | | | | | | | |
| R52-90 | | Programming - misc. | 90 | 04MAR10 | 09JUL10 | 09JUL10 | | 49 | | 0.00 | 16,036.00 | | | | | | | | | | | | | |
| R52-100 | | Installation | 60 | 15APR10 | 09JUL10 | 09JUL10 | | 49 | | 0.00 | 49,987.20 | | | | | | | | | | | | | |
| R52-110 | | Test | 14 | 12JUL10 | 29JUL10 | 29JUL10 | | 49 | | 0.00 | 6,414.40 | | | | | | | | | | | | | |
| 53 - Data Acquisition & Facility Computing | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 5301 - Data Acquisition-SICHTA | | | | | | | | | | | | | | | | | | | | | | | | |
| R53-10 | | Preliminary Design | 30 | 01MAY09* | 12JUN09 | 12JUN09 | | 55 | | 0.00 | 6,203.60 | EC//EM =40hr ; | | | | | | | | | | | | |
| R53-11 | | PDR | 0 | | 12JUN09 | 12JUN09 | | 55 | | 0.00 | 0.00 | EC//EM =80hr ; | | | | | | | | | | | | |
| R53-20 | | Final Design | 30 | 15JUN09 | 27JUL09 | 27JUL09 | | 55 | | 0.00 | 12,407.20 | EC//EM =20hr ; 37=02 ; 43=03 ; 41=17\$K ; | | | | | | | | | | | | |
| R53-21 | | FDR | 0 | | 27JUL09 | 27JUL09 | | 55 | | 0.00 | 0.00 | EC//EM =80hr ; | | | | | | | | | | | | |
| R53-30 | | Procurement | 30 | 28JUL09 | 08SEP09 | 08SEP09 | | 55 | | 0.00 | 30,352.80 | EC//EM =20hr ; 37=02 ; 43=03 ; 41=17\$K ; | | | | | | | | | | | | |
| R53-40 | | Installation | 30 | 09SEP09 | 20OCT09 | 20OCT09 | | 55 | | 0.00 | 3,063.79 | | | | | | | | | | | | | |
| R53-50 | | MDSplus Installation | 20 | 21OCT09 | 17NOV09 | 17NOV09 | | 55 | | 0.00 | 12,828.80 | | | | | | | | | | | | | |
| R53-60 | | MDSplus Programming - Tree Design | 20 | 18NOV09 | 17DEC09 | 17DEC09 | | 55 | | 0.00 | 12,828.80 | | | | | | | | | | | | | |
| R53-70 | | MDSplus Programming - Shot Sync | 20 | 18DEC09 | 26JAN10 | 26JAN10 | | 55 | | 0.00 | 12,828.80 | | | | | | | | | | | | | |
| R53-110 | | Programming - Misc. | 60 | 27JAN10 | 20APR10 | 20APR10 | | 55 | | 0.00 | 25,657.60 | | | | | | | | | | | | | |
| R53-80 | | MDSplus Programming - Dispatcher | 30 | 21APR10 | 02JUN10 | 02JUN10 | | 55 | | 0.00 | 25,657.60 | | | | | | | | | | | | | |
| R53-90 | | MDSplus Programming - Acquisition | 20 | 03JUN10 | 30JUN10 | 30JUN10 | | 55 | | 0.00 | 12,828.80 | | | | | | | | | | | | | |
| R53-120 | | Test | 14 | 01JUL10 | 21JUL10 | 21JUL10 | | 55 | | 0.00 | 9,532.80 | | | | | | | | | | | | | |
| 54 - Facility Timing & Synchronization | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 5401 - Facility Timing & Synchron.-SICHTA | | | | | | | | | | | | | | | | | | | | | | | | |
| R54-10 | | Preliminary System Design | 30 | 01JUL09* | 12AUG09 | 12AUG09 | | 43 | | 0.00 | 6,203.60 | EC//EM =40hr ; | | | | | | | | | | | | |

| Activity ID | MILEstones vel 2.8 | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | FY07 FY08 FY09 | | | | | | | | | | | | | |
|---|--------------------|---|----------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|--|---|---|------|---|---|------|---|---|---|---|---|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | FY09 | | | | | | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J | J |
| 7 - Test Cell Preparation and Machine Assy | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 - Platform Design & Fabrication | | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 7301 - Platform Design & Fab-PERRY | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 711A.040 | | Platform nut plates | 30 | 02OCT08 | 12NOV08 | 12NOV08 | | 16 | | 2,553.28 | 2,976.68 | EM/TB =36hr ; 41=00\$k ; | | | | | | | | | | | | | |
| 712.020 | | Platform Parts | 30 | 02OCT08 | 12NOV08 | 12NOV08 | | 16 | | 0.00 | 34,225.00 | EM//EM =32hr ; 41=03\$k ; EM//TB =300hr ; | | | | | | | | | | | | | |
| 712.030 | | Miscs Hardware/Material | 40 | 18SEP08 | 12NOV08 | 12NOV08 | | 16 | | 0.00 | 22,031.60 | 41=16\$k ; | | | | | | | | | | | | | |
| 7301-100 | | Survey & layout locations for platform posts | 10 | 30OCT08 | 12NOV08 | 12NOV08 | | 16 | | 0.00 | 25,252.80 | EM//EM =40hr ; EM//SM =40hr ; EM//TB =160hr ; | | | | | | | | | | | | | |
| 7301-102 | | Machine platform trial assembly & fitup | 30 | 13NOV08* | 06JAN09 | 06JAN09 | | 16 | | 0.00 | 119,740.80 | EM//EM =48hr ; EM//SM =240hr ; EM//TB =960hr ; | | | | | | | | | | | | | |
| 74 - Machine Assembly Planning and Oversight | | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 7401 - TC Prep & Mach Assy Planning-PERRY | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oversight and Supervision | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1802ORNLF | | ORNLF Title III final machine assy | 482* | 26JAN09 | 03JAN11 | 03JAN11 | | 0 | LOE | 0.00 | 381,381.71 | ORNLEM =1670;ornldm=835 travel=12 | | | | | | | | | | | | | |
| 714.030 | | LOE Start of assy through thru completion | 482* | 26JAN09 | 03JAN11 | 03JAN11 | LOE | 0 | LOE | 0.00 | 1,024,421.59 | Perry 1.0 fte Langella 1.0 fte | | | | | | | | | | | | | |
| 714.031 | | Additional supervision for 2nd shift | 217* | 05MAR10 | 03JAN11 | 03JAN11 | 2 | 0 | LOE | 0.00 | 260,116.73 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7401ACPWR | | Prior ac pwr work reclassified as gpp | 356 | 01MAY07A | 31MAY07A | 31MAY07A | | | LOE | -308,300.00 | -308,300.00 | | | | | | | | | | | | | | |
| 714.020 | | LOE Prior to assy starting | 356 | 01OCT07* | 10MAR09 | 10MAR09 | | 926 | LOE | 0.00 | 32,389.94 | =90hr : | | | | | | | | | | | | | |
| 714.025 | | Update Final Assembly Plan | 45 | 03OCT08* | 08DEC08 | 08DEC08 | | 30 | | 0.00 | 26,480.00 | EM//EM =160hr ; | | | | | | | | | | | | | |
| 7502-001 | | Test Cell 110/208voutlets GPP SCOPE TO COMPLETE | 65 | 15AUG08* | 14NOV08 | 14NOV08 | | 44 | | 0.00 | 0.00 | | | | | | | | | | | | | | |
| 75 - Test Cell and Basement Assembly Operations | | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 7501 - Construction Support Crew-PERRY | | | | | | | | | | | | | | | | | | | | | | | | | |
| General Assy Support | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7501-06 | | Construction Support Crew for 2nd shift | 217* | 05MAR10 | 03JAN11 | 03JAN11 | 2 | 0 | LOE | 0.00 | 445,558.64 | | | | | | | | | | | | | | |
| 7501-05 | | Construction Support Crew during machine assy | 504* | 26JAN09 | 03JAN11 | 03JAN11 | | 0 | LOE | 0.00 | 960,961.90 | Tool Crib Control em/tb=(.75 fte) Crane Operator & support em/tb= (1.0 fte) Forklift Operator & support em/tb= (1.0 fte) | | | | | | | | | | | | | |
| Job: 7503 - Machine Assembly (station 6)-PERRY | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7501-10 | | Fabricate/Assemble assembly structure | 30 | 04DEC08 | 23JAN09 | 23JAN09 | 1 | 13 | | 0.00 | 239,444.80 | EM//EM =96hr ; EM//TB =960hr ; EM//SM =240hr ; 41=80\$k ; | | | | | | | | | | | | | |
| 7501-10.1 | | Fab struct to go between assy sleds&FPA's | 20 | 04DEC08 | 09JAN09 | 09JAN09 | 1 | 23 | | 0.00 | 239,444.80 | EM//EM=96 EM//SM=240EM//TB=960 | | | | | | | | | | | | | |
| 7501-10.2 | | Assemble 3 FPA support stands | 15 | 12NOV08* | 04DEC08 | 04DEC08 | 1 | 12 | | 0.00 | 63,842.40 | EM//EM=48 EM//SM=120 EM//TB=480 | | | | | | | | | | | | | |
| 7501-10.3 | | Assemble 3 VV spool piece support stands | 10 | 05DEC08 | 18DEC08 | 18DEC08 | 1 | 12 | | 0.00 | 42,561.60 | EM//EM=32 EM//SM=80 EM//TB=320 | | | | | | | | | | | | | |
| 7501-10.4 | 2 | Assemble machine base structure | 10 | 19DEC08 | 12JAN09 | 12JAN09 | 1 | 12 | | 0.00 | 42,561.60 | EM//EM= 32 EM//SM=80 EM//TB=320 | | | | | | | | | | | | | |
| 7501-10.5 | | Assemble 3 FPA installation carts | 10 | 13JAN09 | 26JAN09 | 26JAN09 | 1 | 12 | | 0.00 | 42,561.60 | EM//EM=32 EM//SM= 80 EM//TB=320 | | | | | | | | | | | | | |

| Activity ID | MILEstones vel 2 & | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | Gantt Chart | | | | | | | | | | | |
|-------------|-----------------------|---|----------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|---|---|---|------|---|---|---|---|---|------|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | | | | FY09 | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J |
| 7501-10.6 | | Fab 3 laser support poles | 30 | 20NOV08* | 13JAN09 | 13JAN09 | 1 | 70 | | 0.00 | 73,108.80 | 41=24; EM/TB=480 | | | | | | | | | | | |
| 7501-10.7 | | Fab 3 concrete blocks for testing assy struct | 12 | 14JAN09 | 29JAN09 | 29JAN09 | 1 | 70 | | 0.00 | 44,288.32 | 41=18 ;EM/EM=20 EM/TB=192 | | | | | | | | | | | |
| 7503-010 | | Begin Assembly Activities | 0 | 26JAN09* | | | 1 | 3 | | 0.00 | 0.00 | ▼ | | | | | | | | | | | |
| 7503-020 | | Install Permanent support base and columns | 10 | 26JAN09 | 06FEB09 | 06FEB09 | 1 | 3 | | 0.00 | 67,371.00 | EA/EM =60hr ; EM/TB =480hr ; EM/SM =120hr ; | | | | | | | | | | | |
| 7503-015 | | Install Temp Assembly Structure | 15 | 09FEB09 | 27FEB09 | 27FEB09 | 1 | 3 | | 0.00 | 95,763.60 | EM/EM =72hr ; EM/SM =180hr ; EM/TB =720hr ; | | | | | | | | | | | |
| 7503-060 | | Install Lower PF 4,5&6 into prelim position | 1 | 02MAR09 | 02MAR09 | 02MAR09 | 1 | 3 | | 0.00 | 4,814.40 | EM/SM =16hr ; EM/TB =32hr ; | | | | | | | | | | | |
| 7503-070 | | Install 3 Spool Pieces on fixt & test movement | 10 | 03MAR09 | 16MAR09 | 16MAR09 | 1 | 3 | | 0.00 | 51,510.80 | EA/EM =40hr ; EM/TB =320hr ; EM/SM =80hr ; EM/TB =80hr ; | | | | | | | | | | | |
| 7501-10.9 | | Install test cell metrology site monuments & chk | 20 | 17MAR09 | 13APR09 | 13APR09 | 1 | 3 | | 0.00 | 85,123.20 | Metrr=640;EM/EM=64 EM/TB=160 | | | | | | | | | | | |
| 7501-10.10 | | Test TC floor deflections with concrete block | 15 | 14APR09 | 04MAY09 | 04MAY09 | 1 | 3 | | 0.00 | 73,737.60 | Metrr=120;EM/EM=48 EM/SM=120 EM/TB=480 | | | | | | | | | | | |
| 7501-10.8 | | Exercise assy struc with concrete blocks & metro | 20 | 05MAY09 | 02JUN09 | 02JUN09 | 2 | 3 | | 0.00 | 109,528.00 | EM/EM=80EM/SM=320 EM/TB=640 | | | | | | | | | | | |
| 7503-080A | | FPA-1 Installation and assembly test | 20 | 03JUN09 | 30JUN09 | 30JUN09 | 1 | 3 | | 0.00 | 135,915.20 | Metrr=320;EM/EM=80EM/SM=320 EM/TB=640 | | | | | | | | | | | |
| 7503-080 | | FPA-1 Installed on sleds | 0 | | 30JUN09 | 30JUN09 | 1 | 3 | | 0.00 | 0.00 | ▼ | | | | | | | | | | | |
| 7501-11 | | Exercise assy struc w/FPA-1 before start of assy | 40 | 01JUL09 | 26AUG09 | 26AUG09 | 1 | 3 | | 0.00 | 135,915.20 | EM/EM =80hr ; EM/TB =640hr ; EM/SM =320hr ; EM/TB =320hr ; | | | | | | | | | | | |
| 7503-415.7 | | Measure vsl gaps to determ spool piece dimension | 18 | 27AUG09 | 22SEP09 | 22SEP09 | 1 | 3 | | 0.00 | 78,816.96 | | | | | | | | | | | | |
| 7503-415.0 | | Spool piece installation test | 20 | 23SEP09 | 20OCT09 | 20OCT09 | 1 | 3 | | 0.00 | 139,146.96 | | | | | | | | | | | | |
| 7503-416.1 | | Machine Flange A & B of Spool Piece 1 | 30 | 21OCT09 | 03DEC09 | 03DEC09 | 1 | 3 | | 0.00 | 44,329.04 | | | | | | | | | | | | |
| 7503-416.2 | | Machine Flange A & B of Spool Piece 2 | 30 | 04DEC09 | 26JAN10 | 26JAN10 | 1 | 3 | | 0.00 | 44,329.04 | | | | | | | | | | | | |
| 7503-416.3 | | Machine Flange A & B of Spool Piece 3 | 30 | 27JAN10 | 09MAR10 | 09MAR10 | 1 | 3 | | 0.00 | 44,329.04 | | | | | | | | | | | | |
| 7503-110A | | FPA-2 Installation and assembly test | 20 | 06OCT09 | 02NOV09 | 02NOV09 | 1 | 9 | | 0.00 | 140,532.00 | | | | | | | | | | | | |
| 7503-110 | | FPA-2 Installed on sleds | 0 | | 02NOV09 | 02NOV09 | 1 | 9 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 7503-150A | | FPA-3 Installation and assembly test | 20 | 16NOV09 | 15DEC09 | 15DEC09 | 1 | 0 | | 0.00 | 140,532.00 | | | | | | | | | | | | |
| 7503-150 | 2 | FPA-3 Installed on sleds | 0 | | 15DEC09 | 15DEC09 | 1 | 0 | | 0.00 | 0.00 | | | | | | | | | | | | |
| 7503-120 | | Test movement of FPA's incl position checks. | 5 | 16DEC09 | 22DEC09 | 22DEC09 | 1 | 0 | | 0.00 | 26,630.20 | | | | | | | | | | | | |
| 7503-400 | | Install inboard and outboard shims | 6 | 04JAN10 | 11JAN10 | 11JAN10 | 1 | 0 | | 0.00 | 95,147.05 | | | | | | | | | | | | |
| 7503-402 | | Move all FPA's together, chk fitup,tack shims | 6 | 12JAN10 | 19JAN10 | 19JAN10 | 1 | 0 | | 0.00 | 46,323.37 | | | | | | | | | | | | |
| 7503-404 | | Weld inboard shims on mating flanges | 6 | 20JAN10 | 27JAN10 | 27JAN10 | 1 | 0 | | 0.00 | 43,595.05 | | | | | | | | | | | | |
| 7503-406 | | Install TF coils at ends of each FPA | 6 | 28JAN10 | 04FEB10 | 04FEB10 | 1 | 0 | | 0.00 | 27,211.20 | | | | | | | | | | | | |
| 7503-410 | | Install spacer supports and spacers | 2 | 05FEB10 | 08FEB10 | 08FEB10 | 1 | 0 | | 0.00 | 7,706.24 | | | | | | | | | | | | |
| 7503-412 | 2 | Move FPA's & spacers together/chk fitup | 6 | 09FEB10 | 16FEB10 | 16FEB10 | 1 | 0 | | 0.00 | 25,847.04 | | | | | | | | | | | | |
| 7503-414 | | Remove Spacers & Machine spacers to fit | 4 | 17FEB10 | 22FEB10 | 22FEB10 | 1 | 0 | | 0.00 | 5,456.64 | | | | | | | | | | | | |
| 7503-415 | | Re-install spacers | 2 | 23FEB10 | 24FEB10 | 24FEB10 | 1 | 0 | | 0.00 | 7,706.24 | | | | | | | | | | | | |
| 7503-160 | | Position all FPA's / Spool Pieces @ MC Interface | 6 | 25FEB10 | 04MAR10 | 04MAR10 | 1 | 0 | | 0.00 | 31,956.24 | | | | | | | | | | | | |
| 7503-090 | | Install local Platforms around FPA-1 | 2 | 05MAR10 | 08MAR10 | 08MAR10 | 2 | 0 | | 0.00 | 15,412.48 | | | | | | | | | | | | |
| 7503-130 | | Install local Platforms around FPA-2 | 2 | 09MAR10 | 10MAR10 | 10MAR10 | 2 | 0 | | 0.00 | 15,412.48 | | | | | | | | | | | | |
| 7503-190 | | Install local Platforms around FPA-3 | 2 | 11MAR10 | 12MAR10 | 12MAR10 | 2 | 0 | | 0.00 | 15,412.48 | | | | | | | | | | | | |
| 7503-415.5 | | MC Interface: meas holes/mark bushings f/drilling | 3 | 05MAR10 | 09MAR10 | 09MAR10 | 1 | 0 | | 0.00 | 11,559.36 | | | | | | | | | | | | |

| Activity ID | MILEstones vel 2.8 | Activity Description | Duration (work days) | Forecast Start | Forecast Finish | Baseline Finish | Shifts | Total Float | % cmplt | Earned value cost (BCWP) | Proposed Baseline Budget | Gantt Chart | | | | | | | | | | | | |
|---|-----------------------|--|-------------------------|----------------|-----------------|-----------------|--------|-------------|---------|--------------------------|--------------------------|---------------------------------|---|---|------|---|---|---|---|---|------|---|---|---|
| | | | | | | | | | | | | FY07 | | | FY08 | | | | | | FY09 | | | |
| | | | | | | | | | | | | J | A | S | O | N | D | J | F | M | A | M | J | J |
| 8204FY08 | | Systems Analysis, studies and tech assurance | 932* | 01MAY07A | 31JAN11 | 31JAN11 | | 423 | LOE | 50,519.15 | 1,098,242.39 | | | | | | | | | | | | | |
| Job: 8205 - Dimensional Control Coordin-ELLIS | | | | | | | | | | | | | | | | | | | | | | | | |
| METFY07R1 | 3 | Dimensional control plans for station 2 | 65* | 01JUN07A | 31AUG07 | 31AUG07 | | 6 | 20 | 16,726.08 | 83,630.40 | EA//EM =480hr ; | | | | | | | | | | | | |
| METDCP-3 | 3 | Dimensional control plans for station 3 | 30 | 04SEP07 | 15OCT07 | 15OCT07 | | 56 | | 0.00 | 28,553.23 | EA//EM =160hr ; | | | | | | | | | | | | |
| METDCP-5 | 3 | Dimensional control plans for station 5 | 80 | 16OCT07 | 15FEB08 | 15FEB08 | | 111 | | 0.00 | 59,443.20 | EA//EM =320hr ; | | | | | | | | | | | | |
| METDCP-6 | 3 | Dimensional control plans for station 6 | 80 | 18FEB08 | 09JUN08 | 09JUN08 | | 111 | | 0.00 | 89,164.80 | EA//EM =480hr ; | | | | | | | | | | | | |
| METFY08R | | Support FPA Station 2 | 326* | 24OCT07 | 19FEB09 | 19FEB09 | | 4 | LOE | 0.00 | 89,911.08 | =240hrs | | | | | | | | | | | | |
| METFY08RX | | Support FPA Station 3 | 318* | 03MAR08 | 08JUN09 | 08JUN09 | | 0 | LOE | 0.00 | 90,555.06 | hr ea//em=240hr | | | | | | | | | | | | |
| METFY09 | | Support FPA Station 5 | 260* | 30OCT08 | 13NOV09 | 13NOV09 | | 0 | LOE | 0.00 | 61,443.20 | ellis =160hr ea//em=160hr | | | | | | | | | | | | |
| METFY10 | | Support Final Machine Assy | 482* | 26JAN09 | 03JAN11 | 03JAN11 | | 0 | LOE | 0.00 | 94,162.86 | ellis =240 hr ea//em=240hr | | | | | | | | | | | | |
| Job: 8210 - FY07 Rebaseling tasks | | | | | | | | | | | | | | | | | | | | | | | | |
| FY07 Rebaseline Exercise | | | | | | | | | | | | | | | | | | | | | | | | |
| ECP53RBX23 | | FY07 Rebaseline exercise | 40 | 01MAY07A | 26JUN07A | 26JUN07 | | | LOE | 9,049.20 | 9,049.20 | EM//EM =60hr ; | | | | | | | | | | | | |
| ECP53RBX25 | | FY07 Rebaseline exercise | 0* | 01MAY07A | 31MAY07A | 31MAY07 | | | LOE | 9,765.00 | 9,765.00 | | | | | | | | | | | | | |
| Job: 8215 Plant Design | | | | | | | | | | | | | | | | | | | | | | | | |
| FY07 Rebaseline Exercise | | | | | | | | | | | | | | | | | | | | | | | | |
| 8210-07 | | Update plant model | 42* | 01AUG07* | 28SEP07 | 28SEP07 | | 1,249 | | 0.00 | 15,029.60 | EM//EM =40hr ; EA//SB =80hr ; | | | | | | | | | | | | |
| 8210-08 | | Plant Design FY08 | 826 | 01OCT07* | 31JAN11 | 31JAN11 | | 423 | LOE | 0.00 | 105,719.02 | .05 fte | | | | | | | | | | | | |
| 85 - Integrated Systems Testing | | | | | | | | | | | | | | | | | | | | | | | | |
| Job: 8501 - Integrated Systems Testing-GENTILE | | | | | | | | | | | | | | | | | | | | | | | | |
| Startup Documentation | | | | | | | | | | | | | | | | | | | | | | | | |
| 8501-105 | | ESHD-5008 Environ, Safety, and Health Manual | 0 | 01MAY07A | 01MAY07A | 01MAY07A | | | | 0.00 | 0.00 | | | | | | | | | | | | | |
| 8501-109 | | ESH-014 NEPA Review System | 0 | 01MAY07A | 01MAY07A | 01MAY07A | | | | 0.00 | 0.00 | | | | | | | | | | | | | |
| 8501-113 | | ESH-016 Cntrl Haz Energy Sources Lockout Tagout | 0 | 01MAY07A | 01MAY07A | 01MAY07A | | | | 0.00 | 0.00 | | | | | | | | | | | | | |
| 8501-117 | | ENG-030 PPPL Tech Procd for Exper Facilities | 0 | 01MAY07A | 01MAY07A | 01MAY07A | | | | 0.00 | 0.00 | | | | | | | | | | | | | |
| 8501-121 | | ENG-032 PPPL Work Planning Procedure | 0 | 01MAY07A | 01MAY07A | 01MAY07A | | | | 0.00 | 0.00 | | | | | | | | | | | | | |
| 8501-125 | | ENG-033 PPPL Engineering Design Verification | 0 | 01MAY07A | 01MAY07A | 01MAY07A | | | | 0.00 | 0.00 | | | | | | | | | | | | | |
| 8501-101 | | SAD NCSX Safety Assessment Document (SAD) | 45 | 03NOV08* | 15JAN09 | 15JAN09 | | 185 | | 0.00 | 48,236.80 | EM//EM =160hr ; EM//SM =160hr ; | | | | | | | | | | | | |
| 8501-129 | | NCSX-XX, Administrative Control of Procedures | 30 | 24NOV08 | 15JAN09 | 15JAN09 | | 184 | | 0.00 | 24,118.40 | EM//EM =80hr ; EM//SM =80hr ; | | | | | | | | | | | | |
| 8501-133 | | OP-AD-39, Conduct of Operations | 10 | 16JAN09 | 29JAN09 | 29JAN09 | | 184 | | 0.00 | 6,029.60 | EM//EM =20hr ; EM//SM =20hr ; | | | | | | | | | | | | |
| 8501-137 | | OP-AD-56, Cntrl Equipt & Syst Status (chain of c | 10 | 23JAN09 | 05FEB09 | 05FEB09 | | 184 | | 0.00 | 6,029.60 | EM//EM =20hr ; EM//SM =20hr ; | | | | | | | | | | | | |
| 8501-141 | | OP-AD-24, Cntrl Workplace Cleanliness D-Site Exp | 10 | 30JAN09 | 12FEB09 | 12FEB09 | | 184 | | 0.00 | 6,029.60 | EM//EM =20hr ; EM//SM =20hr ; | | | | | | | | | | | | |
| 8501-145 | | OP-AD-31, D- Site Fire Watch Requirements | 10 | 06FEB09 | 19FEB09 | 19FEB09 | | 184 | | 0.00 | 6,029.60 | EM//EM =20hr ; EM//SM =20hr ; | | | | | | | | | | | | |
| 8501-149 | | OP-AD-03, Experimental Proposals for NCSX | 10 | 13FEB09 | 26FEB09 | 26FEB09 | | 184 | | 0.00 | 6,029.60 | EM//EM =20hr ; EM//SM =20hr ; | | | | | | | | | | | | |
| 8501-153 | | OP-AD-117 Operation of the NCSX Access System | 10 | 20FEB09 | 05MAR09 | 05MAR09 | | 184 | | 0.00 | 6,029.60 | EM//EM =20hr ; EM//SM =20hr ; | | | | | | | | | | | | |

