

Chain Saw Safety

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Basic chain saw precautions

- Safety tips
 - Prepare yourself
 - Proper clothing/protection (long trousers, eye and ear protection, steel-toed shoes, etc.) and equipment can reduce injury
 - Be physically fit for strenuous activity
 - Saw selection
 - Light weight (8 to 12in guide bar)
 - Light work, small branches, small trees 6 to 10in
 - Midweight (14 to 20in guide bar)
 - Small trees 12 to 18 in
 - Heavy weight (>20in guide bar)
 - Professional use
 - Prepare the saw
 - Sharp chain (remember the chain is sharp - BE CAREFULL)
 - Correct chain tension (improves chain life and safer cutting)
 - Clean air filter, Good spark plug (makes work easier and safer)
 - Don't forget to check the oil (it's to late once on site and discover you forgot the chain oil)
 - Starting and Operating Techniques
 - Start with saw on firm ground
 - Chain out of gear and free of obstacles
 - Right foot in loop of rear handle
 - Left hand on upper handle
 - Pull starter rope with right hand

Basic chain saw precautions

– Felling the tree

- Examine the tree, clear the area of people, vehicles, branches and debris
- Power lines are not good – try not to fell the tree into the power line! If your not sure don't do it.
- Try not to cut the tree so that it hangs in another tree – this is really not safe!
- Plan a safe, unobstructed path of retreat before starting the cut. You don't always know which direction the tree will fall.
- If you get the saw stuck wedges can be used to free the saw. Plastic wedges are safer than metal (will not damage the saw). Wedges have been known to pop out of trees – **Be carefull.**

Basic chain saw precautions

– Limbing the Tree

- Whenever possible, keep the tree limb or similar barrier between yourself and the saw blade
- When cutting large limbs stand on the uphill side because the log may roll.

– Kick Back Safety Tips

- The best defense against kickback is to keep the tip guard on the chain saw
 - Cut branches at the base of the blade
 - **Don't** saw with the tip of the blade
 - Keep the saw sharp - dull teeth are more likely to cause kickback
- REF: <http://www.ag.ndsu.edu/pubs/ageng/safety/ae1025w.htm>

Closeout Note Status

| Closeout Note Link | Job Manager | Status at Closeout | Status of Closeout Notes | Status of Data Files | Date Promised |
|---|---------------|--|--------------------------|----------------------|---------------|
| 2101 - Fueling Systems | Blanchard | In Process at Time of Cancellation | Done | Done | |
| 2201 - Torus Vacuum pumping Systems | Blanchard | In Process at Time of Cancellation | Done | Done | |
| 8204 - Systems Analysis & Technical Assurance | Brooks | | | | 9/30 |
| 1803 - FP Assembly Tooling/Constructibility | Brown | In Process at Time of Cancellation | | | 10/15 |
| 8203 - Design Integration | Brown | In Process at Time of Cancellation | | | 10/15 |
| 1350 - TF Coil Fabrication Preparations | Chrzanowski | Cancelled when Decision Made for Industry to Fabricate (Mar 2006) | | | |
| 1404 - MCWF R&D & First Production Casting | Chrzanowski | Completed (Sept 2005) | | | |
| 1405 - Modular Coil Winding R&D Preparations | Chrzanowski | Completed (Sept 2005) | | | |
| 1406 - Modular Coil Winding R&D | Chrzanowski | Completed (Mar 2006) | | | |
| 1407 - Modular Coil Winding Facility | Chrzanowski | Completed (Mar 2006) | | | |
| 1408/1451/1459 - Modular Coil Manufacturing | Chrzanowski | Will Complete as Part of Closeout | Done | Done | |
| 1410 - Modular Coil Twisted Racetrack Fabrication | Chrzanowski | Completed (Mar 2006) | | | |
| 1412 - Complete Winding Facilities | Chrzanowski | Completed (Mar 2006) | | | |
| 1419 - Winding Facilities Modifications | Chrzanowski | Completed (Jan 2007) | | | |
| 1460 - Modular Coil Third Winding Fixture | Chrzanowski | Cancelled when Project cancelled | | | |
| 1550 - Coil Support Structures Procurements | Chrzanowski | Cancelled when Project cancelled | | | |
| 1421 - Modular Coil Interface Design @ ORNL | Cole | | | | 9/20 |
| 1260 - Neutral Beam Transition Duct | Cole | In Process at Time of Cancellation | | | 9/16 |
| 1355 - Conventional I&C Design & Procurement | Cole | In Process at Time of Cancellation | | | 9/8 |
| 1416 - Modular Coil Type A/B Design | Cole | In Process at Time of Cancellation | | | 9/30 |
| 1801 - FPA (ORNL) | Cole | Closed (Sept 2006) | | | |
| 1806 - FP Assembly Specs & Drawings | Cole | In Process at Time of Cancellation | | | 9/16 |
| 1901 - 191 - Stellarator Core Management & Oversight | Cole | In Process at Time of Cancellation | | | |
| 1901 - 192 - Stellarator Core Integration & Analysis | Cole | In Process at Time of Cancellation | | | |
| 1353 - CS Structures Design | Dahlgren | Procurement cancelled when Decision Made to Use NSTX PF1a (Aug 2006) | | | 8/29 |
| 1702 - Base Support Structure Design | Dahlgren | In Process at Time of Cancellation | | | 8/29 |
| 1752 - Base Support Structure Procurements | Dahlgren | Cancelled when Project cancelled | | | |
| 1501 - Coil Support Structures | Dahlgren | Will Complete as Part of Closeout | | | 8/29 |
| 1204 - Vacuum Vessel System Procurements (Non-VVSA) | Dudek | In Process at Time of Cancellation | Done | Done | |
| 1429 - Modular Coil Interface R&D @ PPPL | Dudek | In Process at Time of Cancellation | Done | Done | |
| 1431 - Modular Coil Interface Hardware | Dudek | In Process at Time of Cancellation | Done | Done | |
| 1805 - FP Assembly Hardware & Fixture Procurements | Dudek | In Process at Time of Cancellation | Done | Done | |
| 6101/6301 - Cooling Water/Utility Systems | Dudek | In Process at Time of Cancellation | Done | Done | |
| 8205 - Dimensional Control Coordination | Ellis | In Process at Time of Cancellation | | | 9/30 |
| 8204 - System Global Models | Fan | In Process at Time of Cancellation | | | 9/19 |
| 1901- 193 - Risk Mitigation Activities | Fogarty | In Process at Time of Cancellation | Need Summary | Done | 9/16 |
| 1421 - Modular Coil Analysis Files | Freudenberg | | | | 9/15 |
| 8501 - Integrated Systems Testing | Gentile | In Process at Time of Cancellation | Done | Done | |
| 1409 - Coil Test Stand | Gettelfinger | Completed (July 2006) | | | |
| 1414 - Coil Testing | Gettelfinger | Completed (July 2006) | | | |
| 1201 - Vacuum Vessel Preliminary Design | Goranson | Completed (Oct 2003) | | | |
| 1202 - Vacuum Vessel R&D | Goranson | Completed (Sept 2005) | | | |
| 1203 - Vacuum Vessel Final Design | Goranson | Completed (Aug 2006) | | | |
| 1206 - Vacuum Vessel Field Weld Joint | Goranson | Completed (Sept 2005) | | | |
| 1270 -Heater Control Systems | Goranson | In Process at Time of Cancellation | Done | Done | |
| 1601-161 - LN2 Distribution Systems | Goranson | In Process at Time of Cancellation | Done | Done | |
| 1601-162 - Coil Electrical Leads | Goranson | In Process at Time of Cancellation | Done | Done | |
| 1601-163 - Coil Protection System Interfaces | Harris | In Process at Time of Cancellation | | | 9/8 |
| 8102 - Project Management @ ORNL | Harris | In Process at Time of Cancellation | | | |
| 1411 - MCWF Fabrication | Heitzenroeder | Completed (June 2007) | | | |
| 8202 - Engineering Mgmt & Systems Engineering | Heitzenroeder | In Process at Time of Cancellation | | | |

Closeout Note Status





| Closeout Note Link | Job Manager | Status at Closeout | Status of Closeout Notes | Status of Data Files | Date Promised |
|--|--------------------|---|--------------------------|----------------------------|---------------|
| 8221 - Documentation for Closeout | Heitzenroeder | Will Complete as Part of Closeout | | | 12/31 |
| 1301 - TF Coil Design | Kalish | Completed (April 2006) | | | |
| 1351 - TF Coil Fabrication Supplies | Kalish | Completed (Oct 2006) | | | |
| 1354 - Trim Coil Design & Procurement | Kalish | In Process at Time of Cancellation | | | 10/15 |
| 1302/1352 - PF Coil Design/Fab | Kalish/Chrzanowski | Design Completed/Fab in Proces when Project Cancelled | Done | Done | |
| 6401 - Bakeout Systems | Kalish/Goranson | In Process at Time of Cancellation | | | 9/30 |
| 1361 - TF Coil Fabrication | Kalish/Meighan | Will Complete as Part of Closeout | | | 10/15 |
| 8402 - Project Physics @ ORNL | Lyon/Harris | Closed (Sept 2006) | | | |
| 8222 - Prepare Manuscripts for Peer Reviewed Papers | Neilson | Will Complete as Part of Closeout | | | 12/31 |
| 7101 - Shield Wall Modifications | Perry | Cancelled - Done as GPP Project | | | |
| 7301 - Platform Design & Fabrication | Perry | In Process at Time of Cancellation | | | 9/24 |
| 7401/7451 - Machine Assembly Planning & Oversight | Perry | In Process at Time of Cancellation | | | 9/24 |
| 7501 - Construction Support | Perry | In Process at Time of Cancellation | | | 9/24 |
| 7503 - Machine Assembly Operations | Perry | In Process at Time of Cancellation | | | 9/24 |
| 7601 - Machine Assembly Tooling Design/Fab | Perry | In Process at Time of Cancellation | | | 9/24 |
| 8215 - Plant Design | Perry | In Process at Time of Cancellation | | | 9/24 |
| 8220 - Equipment Disposition/Facility Restorations | Perry | Will Complete as Part of Closeout | | | 12/31 |
| 1701 - Cryostat Design | Raftopoulos | In Process at Time of Cancellation | | | 9/13 |
| 1751 - Cryostat Procurements | Raftopoulos | Cancelled when Project cancelled | | | |
| 1804 - Metrology Hardware | Raftopoulos | In Process at Time of Cancellation | | | 9/13 |
| 6201 - Cryogenic Systems | Raftopoulos | In Process at Time of Cancellation | | | 9/13 |
| 4101 - AC Power Systems | Ramakrishnan | In Process at Time of Cancellation | | | 9/30 |
| 4301 - DC Power Systems | Ramakrishnan | In Process at Time of Cancellation | | | 9/30 |
| 4401 - Control & Protection Systems | Ramakrishnan | In Process at Time of Cancellation | | | 9/30 |
| 4501 - Power Systems Design & Integration | Ramakrishnan | In Process at Time of Cancellation | | | 9/30 |
| 8101 - Project Management @ PPPL | Rej | In Process at Time of Cancellation | | | |
| 5101 - Network & Fiber Optic Infrastructure Systems | Sichta | In Process at Time of Cancellation | Done | Done | |
| 5201 - Central Instrumentation & Control | Sichta | In Process at Time of Cancellation | Done | Done | |
| 5301 - Data Acquisition & Facility Computing Systems | Sichta | In Process at Time of Cancellation | Done | Done | |
| 5401 - Facility Timing & Synchronization Systems | Sichta | In Process at Time of Cancellation | Done | Done | |
| 5501 - Real Time Plasma Control Systems | Sichta | In Process at Time of Cancellation | Done | Done | |
| 5601 - Central Safety Interlock Systems | Sichta | In Process at Time of Cancellation | Done | Done | |
| 5801 - Central I&C Management & Integration | Sichta | In Process at Time of Cancellation | Done | Done | |
| 3101 - Design | Stratton | | | | 9/15 |
| 3601 - Edge & Divertor Diagnostics Systems | Stratton | In Process at Time of Cancellation | | | 9/15 |
| 3901 - Diagnostic Systems Integration | Stratton | In Process at Time of Cancellation | | | 9/15 |
| 3801 - Electron Beam Mapping Systems | Stratton/Harris | In Process at Time of Cancellation | | | 9/15 |
| 8210 - Rebaselining Exercise | Strykowski | In Process at Time of Cancellation | | No Closeout Note, but Data | 9/30 |
| 8998 - PPPL Direct Allocations | Strykowski | In Process at Time of Cancellation | | | |
| DCMA | Strykowski | Closed (Sept 2004) | | | |
| 3101 Vacuum Vessel Instrumentation Installation | Tchilinguirian | | Done | Done | |
| 1250 - Vacuum Vessel Fabrication | Viola | Completed (Sept 2006) | | | |
| 1802 - FP Assembly Oversight & Support | Viola | In Process at Time of Cancellation | | | 11/15 |
| 1810 - FPA Operations - Stations 1, 2, 3 | Viola | In Process at Time of Cancellation | | | 11/15 |
| 1815 - PPA Operations - Station 5 | Viola | In Process at Time of Cancellation | | | 11/15 |
| 1421 - Modular Coil Analysis Files | Williamson | | | | 8/30 |
| 1401 - Modular Coil Preliminary Design | Williamson | Completed (Sept 2005) | | | |
| 1402 - Modular Coil Analyses | Williamson | Completed (Sept 2005) | | | |
| 1403 - Modular Coil Final Design | Williamson | Completed (April 2006) | | | |
| 1413 - MCWF Fracture Analyses | Williamson | Completed (Mar 2006) | | | |
| 8401 - Project Physics @ PPPL | Zarnstorf | Closed (Sept 2006) | | | |

| Activity ID | Activity Description | Forecast Start | Forecast Finish | Baseline Finish | % cmlpt | ETC | FY09 | | | | | FY10 | | | | | |
|--|--|----------------|-----------------|-----------------|---------|-----------|------|---|---|---|---|------|---|---|---|---|---|
| | | | | | | | S | O | N | D | J | F | M | A | M | J | J |
| Brooks | | | | | | | | | | | | | | | | | |
| Job: 8204 - Systems Analysis-BROOKS | | | | | | | | | | | | | | | | | |
| 8204-FY08Z | Syst Analysis, studies & tech assurance FY08 etc | 02JUN08A | 30SEP08 | 30SEP08 | ETC | 4,684.30 | | | | | | | | | | | BROOKS budget=107hr ; ZHANG budget=79hr ; FAN budget=51 |
| Chrzanowski | | | | | | | | | | | | | | | | | |
| Job: 1408 - MC Winding Supplies-CHRZANOWSKI | | | | | | | | | | | | | | | | | |
| 1408-7 | Misc tech shop support | 23MAY07A | 30SEP08 | 31JUL08 | ETC | 2,021.63 | | | | | | | | | | | EMT/TB budget=128hr ; |
| Job: 1451 - Mod Coil Winding-CHRZANOWSKI | | | | | | | | | | | | | | | | | |
| Station 1 Post VPI | | | | | | | | | | | | | | | | | |
| P2-171C | Final Clamps & Warm Test (Station1) B6 | 02JUN08A | 30SEP08 | 23JUL08 | ETC | 240.07 | | | | | | | | | | | EM/TB budget=272hr ; EMT/TB budget=32 |
| P1-171C | Final Clamps & Warm Test (Station1) A6 | 18AUG08A | 30SEP08 | 20AUG08 | ETC | 4,321.24 | | | | | | | | | | | EM/TB budget=272hr ; EMT/TB budget=32 |
| LOE Oversight & Supervision | | | | | | | | | | | | | | | | | |
| 145XSPRV-3 | Winding Engineering oversight and supervision | 01MAY07A | 30SEP08 | 30SEP08 | ETC | 12,379.29 | | | | | | | | | | | LANGISH budget=275hr ; |
| 145XSPRV-A | Winding Engineering oversight and supervision | 01NOV07A | 30SEP08 | 29AUG08 | ETC | 23,065.76 | | | | | | | | | | | CHRZANOWSKI budget=241hr ; MEIGHAN budget= |
| Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI | | | | | | | | | | | | | | | | | |
| Punchlist Tech shop/RESA | | | | | | | | | | | | | | | | | |
| PLTS-B5 | Grinding -B5 | 01MAY08A | 30SEP08 | 29AUG08 | 50 | 4,738.20 | | | | | | | | | | | EM/TB budget=120hr ; |
| PLTS-A6 | Grinding -A6 | 01MAY08A | 30SEP08 | 29AUG08 | 20 | 3,095.62 | | | | | | | | | | | EM/TB budget=39hr ; |
| PLTS-B6 | Grinding -B6 | 01MAY08A | 26NOV08 | 29AUG08 | 0 | 9,841.43 | | | | | | | | | | | EM/TB budget=120hr ; |
| PLTS-C6 | Grinding & Drill Holes -C6 | 01MAY08A | 30SEP08 | 29AUG08 | 75 | 3,601.03 | | | | | | | | | | | EM/TB budget=185hr ; |
| Punchlist- Coil Technicians | | | | | | | | | | | | | | | | | |
| PLCT-A6 | Insul,measure,TC,SG other punch list-A6 | 01OCT07A | 30SEP08 | 29AUG08 | ETC | 1,626.78 | | | | | | | | | | | EM/TB budget=132hr ; |
| PLCT-B6 | Insul,measure,TC,SG other punch list-B6 | 01OCT07A | 30SEP08 | 29AUG08 | ETC | 1,626.78 | | | | | | | | | | | EM/TB budget=132hr ; |
| Cole | | | | | | | | | | | | | | | | | |
| Job: 1416 - Mod Coil Type AB Fnl Dsn-COLE | | | | | | | | | | | | | | | | | |
| ECN Modifications | | | | | | | | | | | | | | | | | |
| 1416-810 | Process completed ECN's Bladders & testing | 02SEP08* | 30SEP08 | | | 0.00 | | | | | | | | | | | |
| Job: 1901 - Stellarator Core Mngtt&Integr-COLE | | | | | | | | | | | | | | | | | |
| 191 - Stellarator Core Management & Oversight | | | | | | | | | | | | | | | | | |
| 1901-08 | WBS 191 FY08 | 01JUN08A | 29SEP08 | 29SEP08 | LOE | 6,864.46 | | | | | | | | | | | COLE budget=121hr ; NELSON budget=70 |
| 1901-9000 | Update drawing tree | 01JUN08A | 29SEP08 | 29SEP08 | ETC | 6,040.00 | | | | | | | | | | | lovett= 160 |
| 192 - Stellarator Core Integr & Global Analysis | | | | | | | | | | | | | | | | | |
| 1902-08 | WBS 192 FY08 | 01JUN08A | 29SEP08 | 29SEP08 | LOE | 15,777.48 | | | | | | | | | | | COLE budget=121 m&s =20 travel= 10 MCGINNIS budget=182 |
| Ellis | | | | | | | | | | | | | | | | | |
| Job: 8205 - Dimensional Control Coordin-ELLIS | | | | | | | | | | | | | | | | | |
| Station 3-Modular Coil to VVSA Assembly | | | | | | | | | | | | | | | | | |
| METFY08R | Support FPA Station 2 | 01FEB08A | 30SEP08 | 30SEP08 | LOE | 3,692.62 | | | | | | | | | | | ELLIS budget=45hr ; SMITH budget=45h |
| Harris | | | | | | | | | | | | | | | | | |
| Job: 8102 - NCSX MIE Management ORNL-HARRIS | | | | | | | | | | | | | | | | | |
| 810.105XX | Project Management Office ORNL FY08 (LOE) | 02JUN08A | 29SEP08 | 29SEP08 | LOE | 23,945.31 | | | | | | | | | | | ORNL35 budget=07\$; HILLIS budget=70 ; HARRIS budget=282 MMORRIS budget=176 ; |
| 810.105Z | Project Management Office ORNL FY09 (LOE) | 01OCT08* | 31MAR09 | 31MAR09 | LOE | 35,930.73 | | | | | | | | | | | HILLIS budget=45 ; HARRIS budget=110 |

| Activity ID | Activity Description | Forecast Start | Forecast Finish | Baseline Finish | % cmlpt | ETC | FY09 | | | | | FY10 | | | | | |
|--|--|----------------|-----------------|-----------------|---------|------------|------|---|---|---|---|------|---|---|---|---|---|
| | | | | | | | S | O | N | D | J | S | O | N | D | J | S |
| Perry | | | | | | | | | | | | | | | | | |
| Job: 8220 - Equip Save & Facility Restora-PERRY | | | | | | | | | | | | | | | | | |
| Safe and store NCSX hardware assets | | | | | | | | | | | | | | | | | |
| 8220-201 | Coordination and oversight | 01JUL08A | 23DEC08 | 23DEC08 | LOE | 39,696.89 | | | | | | | | | | | PERRY budget=382hr ; |
| 8220-209 | Secure platform parts from CAS Bldg to NCTC | 02SEP08 | 26SEP08 | 26AUG08 | | 4,163.16 | | | | | | | | | | | 41 =00\$k ; EM//TB budget=48hr ; |
| 8220-223 | Items f/TFTR bsmnt (incl spare MC cond) to NCTCB | 01AUG08A | 26SEP08 | 14AUG08 | 20 | 11,064.99 | | | | | | | | | | | 41 =00\$k ; EM//TB budget=172hr ; |
| 8220-227 | Portable AC units to Dsite crib | 29SEP08 | 27FEB09 | 03SEP08 | | 667.83 | | | | | | | | | | | EM//TB budget=08hr ; |
| 8220-231 | Drawing closeouts and field follow-up | 01OCT08* | 23DEC08 | 23DEC08 | | 27,614.00 | | | | | | | | | | | LANGELLA budget=200hr ; |
| 8220-235 | Large and Small shield block to Dsite pad | 02SEP08* | 15SEP08 | 15SEP08 | | 2,527.04 | | | | | | | | | | | EM//TB budget=32hr ; |
| 8220-239 | Machine mock-up to NCTC | 02SEP08 | 08SEP08 | 19AUG08 | | 631.76 | | | | | | | | | | | EM//TB budget=08hr ; |
| 8220-243 | Welding machines to RESA | 01OCT08* | 07OCT08 | 07OCT08 | | 668.56 | | | | | | | | | | | EM//TB budget=08hr ; |
| 8220-247 | Tools to D site crib | 01OCT08* | 14OCT08 | 14OCT08 | | 2,674.24 | | | | | | | | | | | EM//TB budget=32hr ; |
| 8220-251 | Measuring Equipment to MU Shop | 01OCT08* | 07OCT08 | 07OCT08 | | 1,337.12 | | | | | | | | | | | EM//TB budget=16hr ; |
| 8220-255 | Inventory parts,material, tools to new location | 01OCT08* | 28OCT08 | 28OCT08 | | 6,685.60 | | | | | | | | | | | EM//TB budget=80hr ; |
| 8220-409 | Crates,cabinets,parts shelves f/TFTRTC to NCTCB | 23JUL08A | 14OCT08 | 14OCT08 | 5 | 9,477.47 | | | | | | | | | | | EM//TB budget=124hr ; |
| 8220-415 | Coil winding station to NCTC | 12SEP08* | 26SEP08 | 26AUG08 | | 5,054.08 | | | | | | | | | | | EM//TB budget=64hr ; |
| 8220-419 | MC bolts (incl crate) to NCTCB | 23JUL08A | 14OCT08 | 15SEP08 | 5 | 2,008.43 | | | | | | | | | | | 41 =00\$k ; EM//TB budget=20hr ; |
| 8220-427 | Assemble 4 remaining MC 3 packs | 23OCT08 | 26NOV08 | 08SEP08 | | 26,742.40 | | | | | | | | | | | EM//TB budget=320hr ; |
| 8220-431 | Transport MC 3 packs (6) to NCTC | 01DEC08 | 12DEC08 | 22SEP08 | | 5,609.68 | | | | | | | | | | | EM//TB budget=64hr ; 41 =00\$k ; |
| 8220-501 | Autoclave- Safe all AC power | 26NOV08* | 26NOV08 | 05AUG08 | | 3,982.24 | | | | | | | | | | | LANGELLA budget=24hr ; EM//TB budget= |
| 8220-505 | Autoclave-Removal and store Dsite pad & NCTCB | 01DEC08* | 27FEB09 | 23DEC08 | | 154,843.44 | | | | | | | | | | | LANGELLA budget=400hr ; EM//TBbu |
| 8220-901 | VV Diagnostic parts incl fab crates to NCTCB | 09SEP08* | 15SEP08 | 15SEP08 | | 1,669.86 | | | | | | | | | | | 41 =0.2\$k ; EM//TB budget=18hr ; |
| 8220-903 | Move tool crib from C-site back to D-Site | 09SEP08* | 15SEP08 | 15SEP08 | | 9,476.40 | | | | | | | | | | | EM//TB budget=120hr ; |
| 8220-605 | VV Spool piece crates to NCTCB | 02SEP08* | 03SEP08 | 02JUL08 | | 473.82 | | | | | | | | | | | EM//TB budget= 6 |
| 8220-423 | VVSA's (incl port extension crates) to NCTC | 02SEP08 | 15SEP08 | 26AUG08 | | 7,176.24 | | | | | | | | | | | 41 =01\$k ; EM//TB budget=72hr ; |
| 8220-609 | Yellow wedge stands to NCTC | 01OCT08* | 02OCT08 | 02OCT08 | | 334.28 | | | | | | | | | | | EM//TB budget= 4 |
| 8220-613 | Wedge cover plates to NCTC | 01OCT08* | 02OCT08 | 02OCT08 | | 334.28 | | | | | | | | | | | EM//TB budget= 4 |
| 8220-617 | 5 ton lift beam to RESA | 01OCT08* | 02OCT08 | 02OCT08 | | 334.28 | | | | | | | | | | | EM//TB budget= 4 |
| 8220-621 | 14 ton lift beam to RESA | 01OCT08* | 02OCT08 | 02OCT08 | | 167.14 | | | | | | | | | | | EM//TB budget= 2 |
| 8220-625 | Remove coil winding rooms & dispose | 02JUN08A | 30SEP08 | 01OCT08 | 80 | 13,843.20 | | | | | | | | | | | EM//TB budget= 480 Langella = 241 |
| 8220-641 | Equipment in MU machine shop-Mechanical to RESA | 25AUG08A | 15SEP08 | 15SEP08 | 90 | 1,263.52 | | | | | | | | | | | EM//TB budget= 160 |
| 8220-653 | Cryo pump skid- Mechanical to NCTCB | 02SEP08* | 25SEP08 | 16JUL08 | | 3,790.56 | | | | | | | | | | | EM//TB budget= 48 |
| 8220-657 | Cryostat-disposal | 26SEP08 | 09OCT08 | 16JUL08 | | 3,945.12 | | | | | | | | | | | EM//TB budget= 48 |
| 8220-669 | Prototype castings to NCTC | 02SEP08 | 03SEP08 | 14AUG08 | | 631.76 | | | | | | | | | | | EM//TB budget= 8 |
| 8220-673 | Prototype VV cross sections-Scrap | 22SEP08* | 23SEP08 | 03JUL08 | | 157.94 | | | | | | | | | | | EM//TB budget= 2 |
| 8220-677 | TF coil fabrication fixtures to NCTC-VPI fixture | 24SEP08* | 25SEP08 | 14AUG08 | | 315.88 | | | | | | | | | | | EM//TB budget= 4 |
| 8220-681 | TF coil fabrication fixtures to NCTC-Mandrel | 24SEP08* | 25SEP08 | 14AUG08 | | 315.88 | | | | | | | | | | | EM//TB budget= 4 |
| 8220-685 | TF coil fabrication fixtures to NCTC-Misc fixtur | 24SEP08* | 25SEP08 | 14AUG08 | | 315.88 | | | | | | | | | | | EM//TB budget= 4 |
| Rej | | | | | | | | | | | | | | | | | |
| Job: 8101 - Project Management &Control-REJ | | | | | | | | | | | | | | | | | |
| 810.900 | Project Management Office PPPL FY08 (LOE) | 01OCT07A | 30SEP08 | 30SEP08 | LOE | 50,239.66 | | | | | | | | | | | NEILSONbudget=414hr ; STRYKOWSKY =540 B//CB budget=680hr ; 35 =12\$k ; 41 =03\$k ; DEPUTYPC budget=95hr ; |
| 810.9005A | Project Management Office PPPL fy08 etc | 02JUN08A | 30SEP08 | 30SEP08 | LOE | 31,020.00 | | | | | | | | | | | DON REJ1 budget=126\$k ; |
| 810.901 | Project Management Office PPPL FY09 (SA LOE) | 01OCT08* | 31MAR09 | 31MAR09 | LOE | 290,785.02 | | | | | | | | | | | NEILSONbudget=335hr ; Hamptonbudget=484hr ; 41 =05\$k ; DON REJ1 budget=100\$k ; SIMMONSbudget=61 STRYKOWSKY budget=417 35 =17\$k ; |

| Activity ID | Activity Description | Forecast Start | Forecast Finish | Baseline Finish | % cmplt | ETC | FY09 | | | | | FY10 | | | | |
|---|--|----------------|-----------------|-----------------|---------|------|-----------|---|---|---|---|------|---|---|---|---|
| | | | | | | | S | O | N | D | J | F | M | A | M | J |
| Job: 8221 - Documentation Closeout-HEITZENROEDER | | | | | | | | | | | | | | | | |
| Prepare Closeout report | | | | | | | | | | | | | | | | |
| 8221-614 | Chapter Draftes complete | | 30SEP08* | | 70 | 0.00 | | | | | | | | | | |
| 8221-616 | Chapter Draft reviews complete | | 15OCT08* | | | 0.00 | | | | | | | | | | |
| 8221-618 | Chapters Complete | | 17NOV08* | | | 0.00 | | | | | | | | | | |
| 8221-636 | Executive summary complete | | 05DEC08* | | | 0.00 | | | | | | | | | | |
| 8221-639 | Draft Report complete | | 05JAN09* | | | 0.00 | | | | | | | | | | |
| 8221-642 | Report Reviews Complete | | 02FEB09* | | | 0.00 | | | | | | | | | | |
| 8221-646 | DOE Concurrence | | 02MAR09* | | | 0.00 | | | | | | | | | | |
| 8221-649 | Final Report Issued | | 31MAR09* | | | 0.00 | | | | | | | | | | |
| 8221-655 | Submit NEPA form | | 29AUG08* | | | 0.00 | | | | | | | | | | |
| Strykowski | | | | | | | | | | | | | | | | |
| Job: 8998 - Allocations-STRYKOWSKY | | | | | | | | | | | | | | | | |
| 99.08 | PPPL Allocations FY08 | LOE | 01OCT07A | 29SEP08 | 29SEP08 | LOE | 33,787.52 | | | | | | | | | |
| 99.09C | PPPL Allocations FY09 | LOE | 01OCT08* | 31MAR09 | 31MAR09 | LOE | 59,465.00 | | | | | | | | | |
| Viola | | | | | | | | | | | | | | | | |
| Job: 1802 - FP Assy Oversight&Support-VIOLA | | | | | | | | | | | | | | | | |
| Oversight and Supervision | | | | | | | | | | | | | | | | |
| 1802ORNLO2 | ORNL Title III field period assy station 2/3 | | 02JUN08A | 30SEP08 | 30SEP08 | ETC | 2,494.80 | | | | | | | | | |
| R1802-003 | Metrology Engr Super FY08 | | 01OCT07A | 30SEP08 | 30SEP08 | ETC | 11,944.09 | | | | | | | | | |
| R1802-007 | FPA Management FY08 | | 01OCT07A | 30SEP08 | 30SEP08 | LOE | 21,184.73 | | | | | | | | | |
| R1802-015 | HP Coverage in the TFTR TC LOE FY08 | | 01OCT07A | 30SEP08 | 30SEP08 | LOE | 13,133.01 | | | | | | | | | |
| R1802-016 | HP Coverage in the TFTR TC LOE FY09 | | 01OCT08* | 23DEC08 | 23DEC08 | LOE | 36,276.45 | | | | | | | | | |
| 1802MISC | Misc materials,tools, GSA vehicle,rigging | | 01FEB08A | 30SEP08 | 30SEP08 | ETC | 4,496.04 | | | | | | | | | |
| Station 3 procedures,JHA,ACC,Training,Prep | | | | | | | | | | | | | | | | |
| R1802-320 | Update FPA cost estimate for FPA station 2&3 | | 09SEP08 | 15SEP08 | 20OCT08 | | 0.00 | | | | | | | | | |
| Job: 1810 - Field Period AssyStation 1,2,3 VIOLA | | | | | | | | | | | | | | | | |
| General Assy Support | | | | | | | | | | | | | | | | |
| R1810-003 | LOE Crane support, fixture setupfor FY08 | | 01OCT07A | 30SEP08 | 30SEP08 | LOE | 13,737.62 | | | | | | | | | |
| R1810-025 | Crane & Rigging inspections | | 01FEB08A | 30SEP08 | 30SEP08 | LOE | 979.23 | | | | | | | | | |
| R1810-007 | LOE Field Supervision for FY08 | | 01OCT07A | 30SEP08 | 30SEP08 | LOE | 19,525.91 | | | | | | | | | |
| S21-4.02 | Perform routine metrology set-up and checks (loe | | 01FEB08A | 30SEP08 | 30SEP08 | LOE | 15,151.37 | | | | | | | | | |
| Setup | | | | | | | | | | | | | | | | |
| R1810-2034 | Misc Tool and Hardware | | 02JUN08A | 30SEP08 | 30SEP08 | ETC | 12,482.10 | | | | | | | | | |
| Pre-Measuring and fitup checks | | | | | | | | | | | | | | | | |
| Pre measurement of MCHP A2,B2,C2 flanges | | | | | | | | | | | | | | | | |
| 2-2-2.99 | Drill Stycast fill holes C2 | | 02SEP08* | 04SEP08 | 03JUL08 | | 9,476.40 | | | | | | | | | |
| Station 2 MC subassy A1B1C1 | | | | | | | | | | | | | | | | |
| Stycast shim bags & final measurements | | | | | | | | | | | | | | | | |
| 2-1-8.01 | Fill all wing bladders & cure | | 16JUL08A | 30SEP08 | 01AUG08 | 70 | 1,137.17 | | | | | | | | | |
| Station 2 MC subassy A2B2C2 | | | | | | | | | | | | | | | | |
| AB-C MC Assembly | | | | | | | | | | | | | | | | |
| 2-2-7.18 | Recheck part alignment & weld all Type-B flex s | | 04SEP08* | 04SEP08 | 17JUL08 | | 5,585.76 | | | | | | | | | |
| 2-2-7.19 | After welding "B" coil nose shims recheck align | | 04SEP08 | 04SEP08 | 18JUL08 | | 1,861.92 | | | | | | | | | |
| 2-2-7.20 | Back office assessment of part after weld | | 05SEP08 | 05SEP08 | 21JUL08 | | 3,723.84 | | | | | | | | | |
| 2-2-7.21 | Measure "C" fiducials | | 05SEP08 | 05SEP08 | 21JUL08 | | 1,861.92 | | | | | | | | | |
| 2-2-7.22 | Weld all Type-C (A-flange) flex shims plasma sid | | 08SEP08 | 08SEP08 | 22JUL08 | | 3,158.80 | | | | | | | | | |
| 2-2-7.23 | After welding determine metrology acceptance | | 08SEP08 | 08SEP08 | 23JUL08 | | 1,861.92 | | | | | | | | | |
| 2-2-7.24 | Back office assessment | | 09SEP08 | 09SEP08 | 24JUL08 | | 3,723.84 | | | | | | | | | |

Run Date: 08SEP08 11:13

 FORECAST SCHEDULE
 x target
 Progress Bar
 Critical Activity

0809

NCSX
MIE CLOSEOUT PLAN
SEPTEMBER 1ST STATUS

Sheet 4 of 5

| Activity ID | Activity Description | Forecast Start | Forecast Finish | Baseline Finish | % cmlpt | ETC | FY09 | | | | | FY10 | | | | | | | | |
|--|--|----------------|-----------------|-----------------|---------|--------------|--------|---|-------------|--------|---|------|---|------------|-----------|---|--|--|--|--|
| | | | | | | | S | O | N | D | J | S | O | N | D | J | | | | |
| 2-2-7.25 | Remove shims for alignment mating coil | 10SEP08 | 09SEP08 | 24JUL08 | | 0.00 | | | | | | | | | | | | | | |
| 2-2-7.07 | Place unfilled shim bags in wing areas | 10SEP08 | 10SEP08 | 25JUL08 | | 1,579.40 | EM//TB | | budget=20hr | | | | | | | | | | | |
| 2-2-7.26 | Lower mating "C" coil into position. | 10SEP08 | 10SEP08 | 28JUL08 | | 3,158.80 | EM//TB | | budget=40hr | | | | | | | | | | | |
| 2-2-7.261 | alignment "C" coil tooling balls | 11SEP08 | 11SEP08 | 29JUL08 | | 1,861.92 | EM//TB | | budget=00hr | ZMET | | | | | budget=16 | | | | | |
| 2-2-7.27 | position coil accurately in x, y, & z directio | 11SEP08 | 11SEP08 | 30JUL08 | | 1,579.40 | EM//TB | | budget=20hr | | | | | | | | | | | |
| 2-2-7.28 | Install shims;studs,, & "wiggle" | 12SEP08 | 12SEP08 | 31JUL08 | | 2,369.10 | EM//TB | | budget=30hr | | | | | | | | | | | |
| 2-2-7.29 | Torque50% of final value. | 12SEP08 | 12SEP08 | 01AUG08 | | 789.70 | EM//TB | | budget=10hr | | | | | | | | | | | |
| 2-2-7.30 | Measure position of all monuments | 15SEP08 | 15SEP08 | 04AUG08 | | 2,792.88 | ZMET | | budget=24 | | | | | | | | | | | |
| 2-2-7.31 | Adjust shims locally. Re-torque all studs50%. | 15SEP08 | 15SEP08 | 05AUG08 | | 3,158.80 | EM//TB | | budget=40hr | | | | | | | | | | | |
| 2-2-7.32 | Install bushing. Replace nut & tighten back50% | 16SEP08 | 16SEP08 | 06AUG08 | | 4,738.20 | EM//TB | | budget=60hr | | | | | | | | | | | |
| 2-2-7.33 | After super bolt tightening, measure position | 16SEP08 | 16SEP08 | 07AUG08 | | 2,792.88 | EM//TB | | budget=00hr | ZMET | | | | budget=24 | | | | | | |
| 2-2-7.34 | Tighten all bolts to final torque. | 17SEP08 | 17SEP08 | 08AUG08 | | 1,579.40 | EM//TB | | budget=20hr | | | | | | | | | | | |
| 2-2-7.35 | After tightening hardware, meas position of monu | 17SEP08 | 17SEP08 | 11AUG08 | | 2,792.88 | ZMET | | budget=24 | EM//TB | | | | budget=00h | | | | | | |
| 2-2-7.36 | Weld B / C nose region solenoid side | 18SEP08 | 18SEP08 | 12AUG08 | | 4,738.20 | EM//TB | | budget=60hr | | | | | | | | | | | |
| 2-2-7.37 | Measure positions of all monuments | 18SEP08 | 18SEP08 | 13AUG08 | | 1,861.92 | EM//TB | | budget=00hr | ZMET | | | | budget=16 | | | | | | |
| 2-2-7.38 | Back office of above results & INSTALL wing supp | 19SEP08 | 19SEP08 | 14AUG08 | | 3,723.84 | EM//TB | | budget=00hr | ZMET | | | | budget=32 | | | | | | |
| 2-2-7.39 | Fill all lose bushings with Stycast 2850FT | 19SEP08 | 19SEP08 | 15AUG08 | | 3,158.80 | EM//TB | | budget=40hr | | | | | | | | | | | |
| Stycast shim bags & final measurements | | | | | | | | | | | | | | | | | | | | |
| 2-2-8.01 | Fill all wing bladders & cure | 22SEP08 | 22SEP08 | 19AUG08 | | 3,158.80 | EM//TB | | budget=40hr | | | | | | | | | | | |
| 2-2-8.02 | Inject stycast in all shim spaces | 22SEP08 | 22SEP08 | 21AUG08 | | 3,158.80 | EM//TB | | budget=40hr | | | | | | | | | | | |
| 2-2-10.0 | Complete local service & interface details | 23SEP08 | 22SEP08 | 21AUG08 | | 0.00 | EM//TB | | budget=00hr | | | | | | | | | | | |
| 2-2-11.01 | Measure tooling balls on all coils. | 23SEP08 | 23SEP08 | 25AUG08 | | 3,723.84 | EM//TB | | budget=00hr | ZMET | | | | budget=32 | | | | | | |
| 2-2-11.02 | Install or identify three primary fiducials | 23SEP08 | 23SEP08 | 27AUG08 | | 3,723.84 | EM//TB | | budget=00hr | ZMET | | | | budget=32 | | | | | | |
| 2-2-11.03 | Scan "B" flange Type-C coil & interfacing base | 24SEP08 | 24SEP08 | 02SEP08 | | 5,585.76 | EM//TB | | budget=00hr | ZMET | | | | budget=48 | | | | | | |
| 2-2-11.04 | Measure bolt length on all tension fasteners | 24SEP08 | 24SEP08 | 03SEP08 | | 1,579.40 | EM//TB | | budget=20hr | | | | | | | | | | | |
| 2-2-11.05 | Perform Electrical Megger test on each coil | 25SEP08 | 25SEP08 | 05SEP08 | | 3,158.80 | EM//TB | | budget=40hr | | | | | | | | | | | |
| 2-2-11.06 | Mark part for identification | 26SEP08 | 25SEP08 | 05SEP08 | | 0.00 | EM//TB | | budget=00hr | | | | | | | | | | | |
| 2-2-11.07 | Install lift support beams | 26SEP08 | 26SEP08 | 09SEP08 | | 6,317.60 | EM//TB | | budget=80hr | | | | | | | | | | | |
| 2-2-11.08 | Remove from stand & measure weight of completed | 26SEP08 | 26SEP08 | 10SEP08 | | 3,158.80 | EM//TB | | budget=40hr | | | | | | | | | | | |
| 2-2-11.09 | Move to holding area. | 29SEP08 | 29SEP08 | 12SEP08 | | 6,317.60 | EM//TB | | budget=80hr | | | | | | | | | | | |
| Contingency-Project | | | | | | | | | | | | | | | | | | | | |
| CC | Closeout contingency @ 20% | 02SEP08* | 31MAR09 | 31MAR09 | | 1,172,000.00 | | | | | | | | | | | | | | |