

# NCSX Project Team Meeting: June 25, 2008



- Safety Minute
- June 20 Video Conference with DOE
- Final Closeout Plan & Staffing Plan
- 3-week look-ahead



# Directors' All-hands memo reinforces a very important message to us all: "Do the right thing"



- STOP Training for Supervisors nearing completion
  - Provides a structured approach to
    - "seeing" safety
    - encouraging continued safe performance
    - observing, correcting, & preventing unsafe acts
  - STOP training for all employees to be rolled out next year
- Implementation of recommendations from a recent peer review of PPPL ES&H program
  - Identifying, reporting, analyzing, & responding to first-aid cases
- Commitment to address safety concerns

## Importance of Safety at PPPL

PPPL'ers,

First and foremost, thank you for working safely. We do not want anyone to be hurt (at work or at home). Injuries and incidents affect the individual, families and coworkers.

Over the last several months the Laboratory has undertaken several initiatives to continue to improve safety.

We are now at about the mid-point of the "STOP" (DuPont Safety Training Observation Program) for supervisors, and are encouraged that this new tool in our Integrated Safety Management arsenal will help achieve an injury-free workplace. As part of the "homework" for the STOP training, you will be seeing supervisors performing observations of work. They will be speaking with you about working safely, and reinforcing positive safety behaviors. Occasionally, they will be talking with you about correcting unsafe behaviors and working together on actions to prevent their recurrence. You may also see them filling out cards that document their safety observations. As mentioned during last month's all hands meeting, these cards will be used to collect information for use in safety trending, and will not include names or other means to identify the persons observed. You should feel free to discuss the program with them and see the cards.

The Laboratory initiated a peer review of the Environment Safety & Health activities at the Laboratory. Experts from Pacific Northwest National Laboratory, Brookhaven National Laboratory and the Oak Ridge National Laboratory examined our systems and provided recommendations to the Director. These individuals interviewed many Laboratory staff members. They were extremely complimentary about our staff, your commitment to safety, and your dedication to make fusion work.

*However, they did indicate that we might not be reporting all of our first-aid cases because of reluctance to have a negative impact on the Lab's performance metrics. Each of these experts reflected that identifying first-aid cases is much more important than the metrics and the grade given to the Laboratory. In fact, by emphasizing reporting of first-aid cases, their laboratories had initially increased rates of reported first-aid cases; however, this has allowed them to identify and fix issues before they resulted in more serious events. As a result, the overall safety at their labs has actually improved – as reflected by lower recordable and lost-time injury rates. It is extremely important that each event, no matter how minor, be reported and appropriate care obtained from the occupational medical office. They and we have had injuries, which if treated early, would have resulted in less extensive treatment as well as pain later.*

We continue to address safety concerns that you have identified at our Safety Forums and submitted to the "SOS" box on the web. Everyone is encouraged to report any safety concerns to their supervisor, to an ES&H representative, or via the SOS box. Your name is not required to submit a suggestion to the SOS box. You can also view the actions taken as a result of your suggestions on the SOS web page ([http://www-local.pppl.gov/eshis/Drop\\_box\\_link.html](http://www-local.pppl.gov/eshis/Drop_box_link.html))

As leaders of this Laboratory, we want to continue to improve our systems and processes to make sure we perform our work activities safely. Your input is desired and welcomed. Thanks!

Team Mtg June 25, 2008

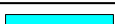


# DOE Video Conference held on June 20 to discuss MIE Project Closeout & Risk-Reduction Engineering R&D Plans



- Meeting Objectives
  - Provide DOE look-ahead at cost, scope, & schedule to perform NCSX MIE Closeout
  - Provide prioritized list of stellarator risk reduction engineering R&D activities that will reduce future risks for construction of a stellarator in the future, maximizing what has been learned from the NCSX project
- Proposed MIE Scope:
  - Document work to date
  - Inventory and store all materiel
  - Complete modular & TF coil fabrication, & coils structures final design review
  - Complete welding 2 HFPA's & 1 HFPA trial fit up in FY08 before storing equipment
  - Terminate \$72.9M of scope presented at April Lehman Review
- Proposed R&D Ideas
  - Assembly Joint & Vacuum Vessel Welding
  - Thermal Insulation
  - Dimensional Control of Large Assembled Components
  - Cryostat / Cryogenics

| Activity ID  | Activity Description                              | Forecast Start | Forecast Finish | % cmlpt | ETC       | FY08                                   |   |   |   |   |   |   |   |   |   |   |   | FY09 |   |   |   |   |   |   |  |   |  |  |  | FY10 |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
|--|---|----------------|-----------------|---------|-----------|--|---|---|---|---|---|---|---|---|---|---|---|------|---|---|---|---|---|---|--|---|--|--|--|------|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
|  |   |                |                 |         |           | J                                      |   |   |   | J |   |   |   | A |   |   |   | S    |   |   |   | O |   |   |  | N |  |  |  | D    |  |  |  | J |  |  |  | F |  |  |  | M |  |  |  | A |  |  |  | M |  |  |  | J |  |  |  | J |  |  |  | A |  |  |  | S |  |  |  | O |  |  |  | N |  |  |  | E |  |  |  |
|  |   |                |                 |         |           | J                                      | J | A | S | O | N | D | J | F | M | A | M | J    | J | A | S | O | N | E |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Included Closeout Scope</b>                     |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Brown</b>                                       |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1803/1805- FPA Tooling/Constr-BROWN</b>    |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Station 3-Modular Coil to VVSA Assembly</b>     |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1803S3-4   | Generate laser screen trace drawings (1/2 period) | 15AUG08        | 05SEP08         |         | 10,688.40 | SMITH etc =40hr ; MORRIS etc =40h      |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1803S3-6   | Station 3 simulation detail model                 | 02JUN08*       | 30JUN08         |         | 22,704.00 | BROWN etc =24hr ; SMITH etc =120       |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1803S3-7   | VV/MC clearance study (for VVSA1)                 | 01APR08A       | 30JUN08         | 75      | 1,537.80  | SMITH etc =10hr ;                      |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1803S3-9   | Oversite, cost and schedules, reviews             | 31JAN08A       | 30SEP08         | LOE     | 3,520.75  | BROWN etc =20hr ;                      |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-2   | Left side base grout plates                       | 24MAR08A       | 30JUN08         | 99*     | 2,620.62  | 41etc =02\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-3   | MCHP lift fixture frame weldment                  | 24MAR08A       | 30JUN08         | 99*     | 9,091.44  | 41etc =07\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-4   | Lift fixture mounting bracket weldments           | 24MAR08A       | 30JUN08         | 99*     | 14,717.70 | 41etc =12\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-5   | Reworked laser frame structure                    | 24MAR08A       | 30JUN08         | 99*     | 1,117.80  | 41etc =01\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-6   | Right inboard laser frame structure               | 24MAR08A       | 30JUN08         | 99*     | 1,055.70  | 41etc =01\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-7   | Left inboard laser frame structure                | 24MAR08A       | 30JUN08         | 99*     | 844.56    | 41etc =01\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-8   | Laser screen lexan sheet (1/8 x 48" x 96")        | 24MAR08A       | 30JUN08         | 99*     | 546.48    | 41etc =00\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-9   | Estimate for Station 2 type alignment system      | 24MAR08A       | 30JUN08         | 99*     | 4,024.08  | 41etc =03\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-100   | Hardware & Misc items                             | 24MAR08A       | 30JUN08         | 99*     | 1,242.00  | 41etc =01\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-110   | Misc assembly Cost                                | 24MAR08A       | 30JUN08         | 99*     | 10,060.20 | 41etc =08\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-201   | MC base support system (left / rt side)           | 24MAR08A       | 30JUN08         | 99*     | 15,512.58 | 41etc =12\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-202   | Hilman roller - 8-OT plus R & U guides            | 24MAR08A       | 30JUN08         | 99*     | 2,943.54  | 41etc =02\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-203   | AirLoc Wedgmount Precision Levelers               | 24MAR08A       | 30JUN08         | 99*     | 707.94    | 41etc =01\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-204   | Lift fixture mounting bracket weldments           | 24MAR08A       | 30JUN08         | 99*     | 4,409.10  | 41etc =04\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-205   | Estimate for Station 2 type alignment system      | 24MAR08A       | 30JUN08         | 99*     | 1,204.74  | 41etc =01\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-206   | Hardware & Misc items                             | 24MAR08A       | 30JUN08         | 99*     | 372.60    | 41etc =00\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1805S3-207   | Misc assembly Cost                                | 31JAN08A       | 30SEP08         |         | 5,005.26  | 41etc =04\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 8203 - Design Integration-BROWN</b>        |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8203FY08-4   | General integration activities                    | 01FEB08A       | 30SEP08         | LOE     | 13,991.20 | BROWN etc =40hr ; EA/DM etc =60h       |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Brooks</b>                                      |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 8204 - Systems Analysis-BROOKS</b>         |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8204-FY08Z   | Syst Analysis, studies & tech assurance FY08 etc  | 02JUN08*       | 30SEP08         | LOE     | 41,999.27 | BROOKS ZHANG etc =107hr ; FAN etc =51  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Chrzanowski</b>                                 |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1302 - PF Design -CHRZANOWSKI</b>          |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1302-275   | Resolve FDR Chits                                 | 22FEB08A       |                 | 90      | 0.00      | CHRZANOWSKI etc =00hr ;                |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1352 - PF Coil Procurement-CHRZANOWSKI</b> |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>PF Coil Fabrication</b>                         |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 141-038.1  | PF Conductor cancellation cost                    | 21FEB08A       | 18JUL08         | C       | 93,150.00 | 41etc =75\$K ; CHRZANOWSKI etc =00hr ; |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1408 - MC Winding Supplies-CHRZANOWSKI</b> |   |                |                 |         |           |  |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1408-3   | Misc and safety supplies (\$7k/mo.)               | 23MAY07A       | 31JUL08         | LOE     | 7,452.00  | 41etc =06\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1408-6   | VPI clean manifold contract                       | 23MAY07A       | 31JUL08         | 80      | 2,484.00  | 41etc =02\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1408-8   | Cutting hardware for flange bolts                 | 23MAY07A       | 31JUL08         | LOE     | 534.06    | 41etc =.5\$K ;                         |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1408-7   | Misc tech shop support                            | 23MAY07A       | 31JUL08         | 80      | 10,108.16 | EMT/TB etc =128hr ;                    |   |   |   |   |   |   |   |   |   |   |   |      |   |   |   |   |   |   |  |   |  |  |  |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |

Run Date: 25JUN08 08:21

 FORECAST SCHEDULE  
 Progress Bar  
 Critical Activity

0805

**NCSX**  
**MIE CLOSEOUT PLAN**  
 June 25, 2008

Sheet 1 of 9

| Activity ID  | Activity Description                            | Forecast Start | Forecast Finish | % cmplt | ETC       | FY08        |  |  |  |   |  |  |  |   |  |  |  |   | FY09                                  |  |  |   |  |  |  |   |  |  |  |   |  | FY10     |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
|--|---|----------------|-----------------|---------|-----------|-------------|--|--|--|---|--|--|--|---|--|--|--|---|---------------------------------------|--|--|---|--|--|--|---|--|--|--|---|--|----------|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
|  |   |                |                 |         |           | J           |  |  |  | J |  |  |  | A |  |  |  | S |                                       |  |  | O |  |  |  | N |  |  |  | D |  |          |  | J |  |  |  | F |  |  |  | M |  |  |  | A |  |  |  | M |  |  |  | J |  |  |  | J |  |  |  | A |  |  |  | S |  |  |  | O |  |  |  | N |  |  |  | E |  |  |  |
|  |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1451 - Mod Coil Winding-CHRZANOWSKI</b>            |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Station 3-Casting Prep &amp; Winding</b>                |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| P1-170   | Instl Chill Plates,Tubing,Bag A6                | 02JUN08        | 01JUL08         |         | 57,490.16 | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =728hr ;                          |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Station 5-VPI</b>                                       |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| P1-171V  | VPI (Station 5) A6                              | 02JUL08        | 29JUL08         |         | 47,514.31 | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =281hr ; EM2/TB                   |  |  |   |  |  |  |   |  |  |  |   |  | etc =27  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| P3-171VM   | COMPLETE VPI OF 18th MOD COIL                   |                | 29JUL08         |         | 0.00      | EMT/TB      |  |  |  |   |  |  |  |   |  |  |  |   | etc =16hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Station 1 Post VPI</b>                                  |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| P2-171C  | Final Clamps & Warm Test (Station1) B6          | 01JUL08*       | 23JUL08         |         | 24,006.88 | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =272hr ; EMT/TB                   |  |  |   |  |  |  |   |  |  |  |   |  | etc =32  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| P1-171C  | Final Clamps & Warm Test (Station1) A6          | 30JUL08        | 20AUG08         |         | 24,006.88 | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =272hr ; EMT/TB                   |  |  |   |  |  |  |   |  |  |  |   |  | etc =32  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>LOE Oversight &amp; Supervision</b>                     |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 145XSPRV-3   | Winding Engineering oversight and supervision   | 01MAY07A       | 30SEP08         | LOE     | 42,266.43 | LANGISH     |  |  |  |   |  |  |  |   |  |  |  |   | etc =275hr ;                          |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 145XSPRV-A   | Winding Engineering oversight and supervision   | 01NOV07A       | 29AUG08         | LOE     | 84,677.10 | CHRZANOWSKI |  |  |  |   |  |  |  |   |  |  |  |   | etc =241hr ; MEIGHAN                  |  |  |   |  |  |  |   |  |  |  |   |  | etc =321 |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1459 - Mod Coil Fabr.Punch List-CHRZANOWSKI</b>    |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Punchlist Tech shop/RESA</b>                            |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| PLTS-C5  | Grinding & Drill Holes -C5                      | 01MAY08A       | 29AUG08         | 83      | 3,221.98  | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =41hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| PLTS-A5  | Grinding -A5                                    | 01MAY08A       | 29AUG08         | 0       | 6,949.36  | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =88hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| PLTS-B5  | Grinding -B5                                    | 01MAY08A       | 29AUG08         | 0       | 9,476.40  | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =120hr ;                          |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| PLTS-A6  | Grinding -A6                                    | 01MAY08A       | 29AUG08         | 20      | 3,095.62  | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =39hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| PLTS-B6  | Grinding -B6                                    | 01MAY08A       | 29AUG08         | 0       | 9,476.40  | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =120hr ;                          |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| PLTS-C6  | Grinding & Drill Holes -C6                      | 01MAY08A       | 29AUG08         | 23      | 14,593.66 | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =185hr ;                          |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Punchlist- Coil Technicians</b>                         |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| PLCT-A6  | Insul,measure,TC,SG other punch list-A6         | 01OCT07A       | 29AUG08         | 36      | 10,411.40 | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =132hr ;                          |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| PLCT-B6  | Insul,measure,TC,SG other punch list-B6         | 01OCT07A       | 29AUG08         | 36      | 10,411.40 | EM/TB       |  |  |  |   |  |  |  |   |  |  |  |   | etc =132hr ;                          |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Cole</b>  |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1416 - Mod Coil Type AB Fnl Dsn-COLE</b>           |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Analysis and closeout documentation</b>                 |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1416-601   | Prepare EM and structural analysis of leads     | 31JAN08A       | 30JUN08         | 70      | 9,966.00  | williamson  |  |  |  |   |  |  |  |   |  |  |  |   | etc =66hr                             |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1416-650   | Prepare cooling analysis of lead area           | 02JUN08*       | 30JUN08         |         | 3,020.00  | freudenberg |  |  |  |   |  |  |  |   |  |  |  |   | etc =160hr ;                          |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1416-651   | 2D cooling analysis for mod colis               | 02JUN08*       | 30JUN08         |         | 12,080.00 | freudenberg |  |  |  |   |  |  |  |   |  |  |  |   | etc =80hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>ECN Modifications</b>                                   |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1416-801   | ECN Mods-Resize vertical port boot              | 02JUN08        | 30JUN08         | 80      | 3,624.00  | lovet       |  |  |  |   |  |  |  |   |  |  |  |   | etc =24hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1416-802   | ECN Mods-Revise Type B cooling lines            | 01MAY08A       | 30JUN08         | 80      | 1,812.00  | lovet       |  |  |  |   |  |  |  |   |  |  |  |   | etc =12hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1416-803   | ECN Mods-Issue DXF shim files for fab           | 02JUN08*       | 30JUN08         | 80      | 3,020.00  | lovet       |  |  |  |   |  |  |  |   |  |  |  |   | etc =20hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1416-805   | ECN Mods-Add TC's at bottom of 101,102,103 dwgs | 01MAY08A       | 30JUN08         | 80      | 2,416.00  | lovet       |  |  |  |   |  |  |  |   |  |  |  |   | etc =16hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1416-806   | ECN Mods-Revise dwg 123-151                     | 02JUN08*       | 30JUN08         | 80      | 1,510.00  | lovet       |  |  |  |   |  |  |  |   |  |  |  |   | etc =10hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1421 - Mod Coil Interface Design-COLE</b>          |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Inboard Interface-CC</b>                                |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1421-3155  | Resolve C-C shim FDR comments                   | 02JUN08*       | 30JUN08         |         | 18,120.00 | COLE        |  |  |  |   |  |  |  |   |  |  |  |   | etc =120hr ;                          |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1421-9000  | Perform shear test                              | 02JUN08*       | 18JUL08         | 60      | 31,710.00 | moon        |  |  |  |   |  |  |  |   |  |  |  |   | etc =120hr ; freudenberg=40 ornlem=50 |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1901 - Stellarator Core Mngt&amp;Integr-COLE</b>   |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>191 - Stellarator Core Management &amp; Oversight</b>   |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1901-08  | WBS 191 FY08                                    | 01OCT07A       | 29SEP08         | LOE     | 28,889.32 | COLE        |  |  |  |   |  |  |  |   |  |  |  |   | etc =121hr ; NELSON                   |  |  |   |  |  |  |   |  |  |  |   |  | etc =70  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1901-9000  | Update drawing tree                             | 01OCT07A       | 29SEP08         | LOE     | 24,160.00 | lovet       |  |  |  |   |  |  |  |   |  |  |  |   | = 160                                 |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>192 - Stellarator Core Integr &amp; Global Analysis</b> |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1902-08  | WBS 192 FY08                                    | 01OCT07A       | 29SEP08         | LOE     | 66,445.34 | COLE        |  |  |  |   |  |  |  |   |  |  |  |   | etc =121 m&s =20 travel= 10           |  |  |   |  |  |  |   |  |  |  |   |  | etc =182 |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>193 - Risk Mitigation Tasks</b>                         |   |                |                 |         |           |             |  |  |  |   |  |  |  |   |  |  |  |   |                                       |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| RISK-43  | Bolt preload could relax with time.             | 03MAR08A       | 26AUG08         |         | 7,852.00  | FOGARTY     |  |  |  |   |  |  |  |   |  |  |  |   | etc =52hr ;                           |  |  |   |  |  |  |   |  |  |  |   |  |          |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |

| Activity ID   | Activity Description                             | Forecast Start | Forecast Finish | % cmplt | ETC        | FY08                   |   |   |   | FY09 |   |   |   | FY10 |   |   |   |   |   |
|---|--|----------------|-----------------|---------|------------|------------------------|---|---|---|------|---|---|---|------|---|---|---|---|---|
|   |  |                |                 |         |            | J                      | J   | A | S | O    | N | D | J | F    | M | A | M | J | J |
| <b>Job: 1806 - FP Assembly specs and drawings-COLE</b>      |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Station 3-Modular Coil to VVSA Assembly</b>              |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1803-301  | Station 3 Assembly Specification                 | 02JUL07A       | 30JUN08         | 80      | 3,624.00   | COLE                   | etc =24hr ;   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1803-305  | Station 3 Assembly Drawings                      | 02JUL07A       | 30JUN08         | 80      | 2,416.00   | COLE                   | etc =16hr ;   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Dahlgren</b>   |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Job: 1702 - Base Support Struct Design-DAHLGREN</b>      |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1702-525M   | Base Support Structure FDR                       |                | 30MAY08A        | 100     | 0.00       |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1702-530  | FDR labor cost (accounting lag)                  | 02JUN08        | 13JUN08         |         | 11,688.80  | DAHLGREN               | etc =40hr ; CRUIKSHANK etc =40h   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Job: 1501 - Coil Structures Design-DAHLGREN</b>          |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1501-533  | Detail CAD Drawings,BOM                          | 01JUN07A       | 30JUN08         | 75      | 21,319.30  | DAHLGREN<br>CRUIKSHANK | etc =05hr ; RUSHINSKI etc =89h<br>etc =89hr ;   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1501-533F   | Integrated Stress Analysis                       | 01OCT07A       | 30JUN08         | 75      | 34,286.56  | DAHLGREN               | etc =154hr ; FAN=etc=40   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1501-536  | Issue dwgs for review                            |                | 30JUN08*        |         | 0.00       |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1501-549  | Update C.S.Support Attacgmt Design               | 01MAY08A       | 09JUN08         | 75      | 2,036.70   | DAHLGREN               | etc =05hr ; RUSHINSKI etc =10h  |   |   |      |   |   |   |      |   |   |   |   |   |
| 1501-562  | Prepare Specs for Coil Structure & CSS h/w       | 24JUN08        | 30JUN08         |         | 3,542.00   | DAHLGREN               | etc =20hr ;   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1501-537  | FDR Prep   | 24JUN08        | 30JUN08         |         | 12,370.68  | DAHLGREN               | etc =38hr ; RUSHINSKI etc =49h  |   |   |      |   |   |   |      |   |   |   |   |   |
| 1501-541  | Coil Support Structures - FDR                    |                | 30JUN08         |         | 0.00       |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Dudek</b>  |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Job: 1431 - Mod. Coil Interface Hardware-DUDEK</b>       |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Shims-Outboard</b>                                       |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1431-100  | Complete PE007965 & 8090 with zenex              | 02JUN08        | 27JUN08         |         | 84,331.80  |                        | 41etc =68\$ ;   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Shims-Inboard</b>  |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 1431-110  | Complete PE007677 with white engr                | 02JUN08        | 27JUN08         |         | 12,705.66  |                        | 41etc =10\$ ;   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Ellis</b>  |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Job: 8205 - Dimensional Control Coordin-ELLIS</b>        |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Station 3-Modular Coil to VVSA Assembly</b>              |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| METFY08R  | Support FPA Station 2                            | 01FEB08A       | 30SEP08         | LOE     | 14,889.60  |                        | ELLIS etc =45hr ; SMITH etc =45h  |   |   |      |   |   |   |      |   |   |   |   |   |
| METDCP-3  | Dimensional control plans for station 3          | 01FEB08A       | 10JUN08         | 67      | 4,675.44   | ELLIS                  | etc =26hr ;   |   |   |      |   |   |   |      |   |   |   |   |   |
| STAT3 PREP  | Station 3 preparations                           | 01JUL08*       | 02SEP08         |         | 14,168.00  | ELLIS                  | etc =80hr ;   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Goranson</b>   |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Job: 1601 - Coil Services Design-GORANSON</b>            |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>161 - LN2 Distribution</b>                               |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 191-002   | Coil Serv-LN2 manifolds&piping-PDR prep etc      | 03JUN08        | 05JUN08         |         | 6,040.00   | GORANSON               | etc =40hr ;   |   |   |      |   |   |   |      |   |   |   |   |   |
| 162-217   | PDR  |                | 05JUN08         |         | 0.00       |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 162-900   | Update LN2 models & input to INTRALINK           | 02JUN08        | 30JUN08         |         | 18,120.00  | homescu                | etc =40hr mcginnis=80   |   |   |      |   |   |   |      |   |   |   |   |   |
| 162-901   | Update Electrical Leads Models & input to INTRAL | 02JUN08        | 30JUN08         |         | 6,040.00   | mcginnis               | etc =40hr ;   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Harris</b>   |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Job: 8102 - NCSX MIE Management ORNL-HARRIS</b>          |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 810.105XX   | Project Management Office ORNL FY08 (LOE)        | 01FEB08A       | 29SEP08         | LOE     | 100,619.47 |                        | ORNL35 etc =07\$ ;<br>HILLIS etc =70 ; HARRIS etc =282<br>MMORRIS etc =176 ;                            |   |   |      |   |   |   |      |   |   |   |   |   |
| 810.105Z  | Project Management Office ORNL FY09 (LOE)        | 01OCT08*       | 31MAR09         | LOE     | 35,930.73  |                        | HILLIS etc =45<br>; HARRIS etc =110   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Heitzenroeder</b>  |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| <b>Job: 8202 - Engr Mgmt &amp; Sys Eng Sprt-HEITZENROED</b> |  |                |                 |         |            |                        |   |   |   |      |   |   |   |      |   |   |   |   |   |
| 8205DC  | document control & admin support                 | 01FEB08A       | 31MAR09         | LOE     | 23,630.52  |                        | SUCH etc =142hr ;<br>TYRELL etc =21   |   |   |      |   |   |   |      |   |   |   |   |   |
| 8205FY08.2  | Engr mgt & systems engr FY08                     | 01FEB08A       | 30SEP08         | LOE     | 181,477.20 |                        | HEITZENROED etc =445hr ; SIMMONS etc =00<br>REIERSEN etc =89hr ; DUDEK etc =474<br>VONHALLE etc =89hr ; |   |   |      |   |   |   |      |   |   |   |   |   |

| Activity ID   | Activity Description                             | Forecast Start | Forecast Finish | % cmlpt | ETC        | FY08 |  |  |  |   |  |  |  |   |  |  |  | FY09  |  |  |  |   |  |  |  |   |  |  |  | FY10   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
|---|--|----------------|-----------------|---------|------------|------|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|--|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
|   |  |                |                 |         |            | J    |  |  |  | J |  |  |  | A |  |  |  | S   |  |  |  | O |  |  |  | N |  |  |  | D  |  |  |  | J |  |  |  | F |  |  |  | M |  |  |  | A |  |  |  | M |  |  |  | J |  |  |  | J |  |  |  | A |  |  |  | S |  |  |  | O |  |  |  | N |  |  |  | E |  |  |  |
|   |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8205FY09  | Engr mgt & systems engr FY09                     | 01OCT08*       | 31MAR09         | LOE     | 157,899.44 |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  | HEITZENROED etc =315hr<br>REIERSEN etc =126hr ;<br>VONHALLE etc =126hr ;   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 8221 -Documentation Closeout-HEITZENROEDER</b>      |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Closeout Documentation</b>                               |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-100  | Technical data collection                        | 01JUL08*       | 31OCT08         |         | 626,239.87 |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  | SIMMONS =160hr BLANCHARD =40<br>BROOKS =100hr BROWN =375<br>CHRZANOWSKI =168hr COLE =80<br>DAHLGREN =40hr DODSON =40h<br>DUDEK =32hr ELLIS =40<br>GORANSON =80hr Fogarty= 80<br>Phil =160; Kalish =56; labik =40;<br>Langish =24 freudenberg =120<br>Perry =16; Raptopoulos =220; Raki =16<br>rushinski =335 mike morris=20<br>sichta =80; smith = 14;<br>strykowsky =160; upcavage =215<br>viola = 158 williamson =80 Moon=10<br>Nelson=10; Harris= 20; Jun=100; Gentile=20; Low Morris=335 |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-251  | Tech presentation/paper collection               | 02JUN08        | 29SEP08         |         | 9,902.00   |      |  |  |  |   |  |  |  |   |  |  |  | HAMPTON etc =100hr ; TYRELL etc =10   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-301  | Guidance to collect data                         | 02JUN08        | 29SEP08         |         | 53,130.00  |      |  |  |  |   |  |  |  |   |  |  |  | SIMMONS etc =300hr ;  |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-305  | Organizing and posting data                      | 30SEP08        | 27MAR09         |         | 56,203.18  |      |  |  |  |   |  |  |  |   |  |  |  | SIMMONS etc =300hr ;  |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-401  | Finalizing and archiving key analyses/reports    | 02JUN08        | 29SEP08         |         | 137,504.00 |      |  |  |  |   |  |  |  |   |  |  |  | FREUDENBERG etc =160hr ; DAHLGREN etc =16<br>FAN etc =160hr ; AVASARALA etc =16<br>ZHANG etc =160hr ; |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-501  | dell server, software, setup (non project cost)  | 02JUN08        | 29SEP08         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | CARROL etc =200hr ; 41etc =18\$K ;  |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-555  | Comp. div support of web (non project cost)      | 02JUN08        | 29SEP08         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | CARROL etc =160hr ;   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-575  | Archiving doc & files in ops center              | 02JUN08        | 26MAR09         |         | 18,009.74  |      |  |  |  |   |  |  |  |   |  |  |  | SUCH etc =200hr ;   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-700  | As-built Drawing Updates                         | 01JUL08*       | 23DEC08         |         | 232,562.06 |      |  |  |  |   |  |  |  |   |  |  |  | EA/SB Designers etc =1995hr ;   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Prepare Closeout report</b>                              |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-601  | Lessons learned report                           |                | 31MAR09         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-605  | Closeout report-Adjustments to obligations/costs |                | 31MAR09         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-609  | Closeout report-Baseline change control log      |                | 31MAR09         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-613  | Closeout report-Closeout approvals               |                | 31MAR09         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-617  | Closeout report-Contract closeout status         |                | 31MAR09         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-621  | Closeout report-D&D planning                     |                | 31MAR09         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-625  | Closeout report-Final cost report, incl claims   |                | 31MAR09         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-629  | Closeout report-Photographic documentation       |                | 31MAR09         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-633  | Closeout report-Tech, cope,cost,schedule accompl |                | 31MAR09         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8221-900  | CLOSEOUT BCP                                     |                | 31MAR09*        |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Kalish</b>   |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1361 - TF Fabrication-KALISH</b>                    |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>TF Title III and Fabrication Oversight</b>               |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 131-033C  | Title III engr,inspection, support               | 02JAN08A       | 18SEP08         | LOE     | 37,543.84  |      |  |  |  |   |  |  |  |   |  |  |  | KALISH etc =71hr ; 35etc =02\$K ;<br>41etc =00\$K ; EM/TB etc =00hr ;<br>MEIGHAN etc =173hr ;         |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>TF Fabrication Contract</b>                              |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1361C-114   | Fab, Test & Deliver Coil #14                     | 27MAY08A       | 24JUN08         | 61      | 18,550.00  |      |  |  |  |   |  |  |  |   |  |  |  | 49etc =19 ;   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1361C-115   | Fab, Test & Deliver Coil #15                     | 17JUL08*       | 17JUL08         |         | 47,220.00  |      |  |  |  |   |  |  |  |   |  |  |  | 49etc =47 ;   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1361C-116   | Fab, Test & Deliver Coil #16                     | 08AUG08*       | 08AUG08         |         | 47,220.00  |      |  |  |  |   |  |  |  |   |  |  |  | 49etc =47 ;   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1361C-117   | Fab, Test & Deliver Coil #17                     | 02SEP08*       | 02SEP08         |         | 47,220.00  |      |  |  |  |   |  |  |  |   |  |  |  | 49etc =47 ;   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1361C-118   | Fab, Test & Deliver Coil #18                     | 24SEP08*       | 24SEP08         |         | 47,220.00  |      |  |  |  |   |  |  |  |   |  |  |  | 49etc =47 ;   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 1351-195X   | ALL TF COILS DELIVERED                           |                | 24SEP08         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  | ▼   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 1354 - Trim Coil Design &amp;Procurement-KALISH</b> |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Trim Coil **Updated estimate**</b>                       |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| TRIM-170  | Complete Trim Coil Detailed Drawings             | 25MAR08A       | 30JUN08         | 80      | 12,769.36  |      |  |  |  |   |  |  |  |   |  |  |  | KALISH etc =14hr ; RUSHINSKI etc =10h<br>CRUIKSHANK etc =80hr ;                                       |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| TRIM-200  | Assy drawings & parts list                       | 01APR08A       | 30JUN08         | 90      | 10,998.36  |      |  |  |  |   |  |  |  |   |  |  |  | KALISH etc =04hr ; RUSHINSKI etc =10h<br>CRUIKSHANK etc =80hr ;                                       |  |  |  |   |  |  |  |   |  |  |  |  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |

| Activity ID   | Activity Description                             | Forecast Start | Forecast Finish | % cmplt | ETC        | FY08 |  |  |  |   |  |  |  |   |  |  |  | FY09                  |  |  |  |   |  |  |  |   |  |  |  | FY10                         |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
|---|--|----------------|-----------------|---------|------------|------|--|--|--|---|--|--|--|---|--|--|--|-----------------------|--|--|--|---|--|--|--|---|--|--|--|------------------------------|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|---|--|--|--|
|   |  |                |                 |         |            | J    |  |  |  | J |  |  |  | A |  |  |  | S                     |  |  |  | O |  |  |  | N |  |  |  | D                            |  |  |  | J |  |  |  | F |  |  |  | M |  |  |  | A |  |  |  | M |  |  |  | J |  |  |  | J |  |  |  | A |  |  |  | S |  |  |  | O |  |  |  | N |  |  |  | E |  |  |  |
|   |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |                       |  |  |  |   |  |  |  |   |  |  |  |                              |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Neilson</b>  |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |                       |  |  |  |   |  |  |  |   |  |  |  |                              |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 8222 - Manuscripts and Papers - NEILSON</b>         |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |                       |  |  |  |   |  |  |  |   |  |  |  |                              |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Prepare Closeout report</b>                              |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |                       |  |  |  |   |  |  |  |   |  |  |  |                              |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8222-900  | Manuscripts, journal & papers (40 papers@40hrs)  | 02SEP08*       | 31MAR09         |         | 299,600.15 |      |  |  |  |   |  |  |  |   |  |  |  |                       |  |  |  |   |  |  |  |   |  |  |  |                              |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Perry</b>  |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |                       |  |  |  |   |  |  |  |   |  |  |  |                              |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Job: 8220 - Equipt Save &amp; Facility Restora-PERRY</b> |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |                       |  |  |  |   |  |  |  |   |  |  |  |                              |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| <b>Safe and store NCSX hardware assets</b>                  |  |                |                 |         |            |      |  |  |  |   |  |  |  |   |  |  |  |                       |  |  |  |   |  |  |  |   |  |  |  |                              |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-201  | Coordination and oversight                       | 02JUN08        | 23DEC08         |         | 60,133.75  |      |  |  |  |   |  |  |  |   |  |  |  | PERRY                 |  |  |  |   |  |  |  |   |  |  |  | etc =382hr ;                 |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-205  | NCTC floor penetrations & PLT water htr removal  | 01JUL08*       | 12AUG08         |         | 56,248.54  |      |  |  |  |   |  |  |  |   |  |  |  | 41etc =21\$ ; EM//TB  |  |  |  |   |  |  |  |   |  |  |  | etc =382hr ;                 |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-209  | Secure platform parts from CAS Bldg to NCTC      | 13AUG08        | 26AUG08         |         | 4,163.16   |      |  |  |  |   |  |  |  |   |  |  |  | 41etc =00\$ ; EM//TB  |  |  |  |   |  |  |  |   |  |  |  | etc =48hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-215  | Secure TF Coils from Dsite MG to NCTC            | 11SEP08        | 24SEP08         |         | 3,000.86   |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =38hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-219  | Electr trays & hw from D-site yard to dsite pad  | 01JUL08*       | 15JUL08         |         | 6,194.13   |      |  |  |  |   |  |  |  |   |  |  |  | 41etc =01\$ ; EM//TB  |  |  |  |   |  |  |  |   |  |  |  | etc =69hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-223  | Items f/TFTR bsmnt (incl spare MC cond) to NCTCB | 01AUG08*       | 14AUG08         |         | 13,831.24  |      |  |  |  |   |  |  |  |   |  |  |  | 41etc =00\$ ; EM//TB  |  |  |  |   |  |  |  |   |  |  |  | etc =172hr ;                 |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-227  | Portable AC units to Csite crib                  | 27AUG08        | 03SEP08         |         | 631.76     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =08hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-231  | Drawing closeouts and field follow-up            | 01OCT08*       | 23DEC08         |         | 27,614.00  |      |  |  |  |   |  |  |  |   |  |  |  | LANGELLA              |  |  |  |   |  |  |  |   |  |  |  | etc =200hr ;                 |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-235  | Large and Small shield block to Dsite pad        | 02SEP08*       | 15SEP08         |         | 2,527.04   |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =32hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-239  | Machine mock-up to NCTC                          | 13AUG08        | 19AUG08         |         | 631.76     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =08hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-243  | Welding machines to RESA                         | 01OCT08*       | 07OCT08         |         | 668.56     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =08hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-247  | Tools to Csite crib                              | 01OCT08*       | 14OCT08         |         | 2,674.24   |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =32hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-251  | Measuring Equipment to MU Shop                   | 01OCT08*       | 07OCT08         |         | 1,337.12   |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =16hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-255  | Inventory parts,material, tools to new location  | 01OCT08*       | 28OCT08         |         | 6,685.60   |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =80hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-409  | Crates,cabinets,parts shelves f/TFTRTC to NCTCB  | 01OCT08*       | 14OCT08         |         | 10,362.68  |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =124hr ;                 |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-415  | Coil winding station to NCTC                     | 13AUG08        | 26AUG08         |         | 5,054.08   |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =64hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-419  | MC bolts (incl crate) to NCTCB                   | 09SEP08        | 15SEP08         |         | 2,076.20   |      |  |  |  |   |  |  |  |   |  |  |  | 41etc =00\$ ; EM//TB  |  |  |  |   |  |  |  |   |  |  |  | etc =20hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-427  | Assemble 4 remaining MC 3 packs                  | 04AUG08        | 08SEP08         |         | 25,270.40  |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =320hr ;                 |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-431  | Transport MC 3 packs (6) to NCTC                 | 09SEP08        | 22SEP08         |         | 5,302.48   |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =64hr ; 41etc =00\$ ;    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-501  | Autoclave- Safe all AC power                     | 30JUL08        | 05AUG08         |         | 3,762.80   |      |  |  |  |   |  |  |  |   |  |  |  | LANGELLA              |  |  |  |   |  |  |  |   |  |  |  | etc =24hr ; EM//TB etc =08h  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-505  | Autoclave-Removal and store Dsite pad & NCTCB    | 01OCT08*       | 23DEC08         |         | 154,843.44 |      |  |  |  |   |  |  |  |   |  |  |  | LANGELLA              |  |  |  |   |  |  |  |   |  |  |  | etc =400hr ; EM//TB etc =11  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-901  | VV Diagnostic parts incl fab crates to NCTCB     | 09SEP08*       | 15SEP08         |         | 1,669.86   |      |  |  |  |   |  |  |  |   |  |  |  | 41etc =0.2\$ ; EM//TB |  |  |  |   |  |  |  |   |  |  |  | etc =18hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-903  | Move tool crib from C-site back to D-Site        | 09SEP08*       | 15SEP08         |         | 9,476.40   |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc =120hr ;                 |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-605  | VV Spool piece crates to NCTCB                   | 01JUL08*       | 02JUL08         |         | 473.82     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 6                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-423  | VVSA's (incl port extension crates) to NCTC      | 13AUG08        | 26AUG08         |         | 7,176.24   |      |  |  |  |   |  |  |  |   |  |  |  | 41etc =01\$ ; EM//TB  |  |  |  |   |  |  |  |   |  |  |  | etc =72hr ;                  |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-609  | Yellow wedge stands to NCTC                      | 01OCT08*       | 02OCT08         |         | 334.28     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 4                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-613  | Wedge cover plates to NCTC                       | 01OCT08*       | 02OCT08         |         | 334.28     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 4                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-617  | 5 ton lift beam to RESA                          | 01OCT08*       | 02OCT08         |         | 334.28     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 4                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-621  | 14 ton lift beam to RESA                         | 01OCT08*       | 02OCT08         |         | 167.14     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 2                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-625  | Remove coil winding rooms & dispose              | 27AUG08        | 01OCT08         |         | 69,377.38  |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 480 Langella etc = 241 |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-633  | Equipment in MU machine shop-Electrical to RESA  | 02SEP08*       | 29SEP08         |         | 11,536.00  |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 80Langella etc = 40    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-641  | Equipment in MU machine shop-Mechanical to RESA  | 02SEP08*       | 15SEP08         |         | 12,635.20  |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 160                    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-645  | Cryo pump skid- Electrical to NCTCB              | 02JUL08*       | 23JUL08         |         | 13,815.44  |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 56Langella etc = 72    |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-653  | Cryo pump skid- Mechanical to NCTCB              | 02JUL08*       | 16JUL08         |         | 3,790.56   |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 48                     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-657  | Cryostat-dispose                                 | 02JUL08*       | 16JUL08         |         | 3,790.56   |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 48                     |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-661  | Interlocked cryo room-leave in place             | 02JUN08*       | 02JUN08         |         | 0.00       |      |  |  |  |   |  |  |  |   |  |  |  |                       |  |  |  |   |  |  |  |   |  |  |  |                              |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-665  | Spherical bearings (Dahlgren) to NCTCB           | 02JUL08*       | 03JUL08         |         | 78.97      |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 1                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-669  | Prototype castings to NCTC                       | 13AUG08        | 14AUG08         |         | 631.76     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 8                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-673  | Prototype VV cross sections-Scrap                | 02JUL08*       | 03JUL08         |         | 157.94     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 2                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-677  | TF coil fabrication fixtures to NCTC-VPI fixture | 13AUG08        | 14AUG08         |         | 315.88     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 4                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-681  | TF coil fabrication fixtures to NCTC-Mandrel     | 13AUG08        | 14AUG08         |         | 315.88     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 4                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |
| 8220-685  | TF coil fabrication fixtures to NCTC-Misc fixtur | 13AUG08        | 14AUG08         |         | 315.88     |      |  |  |  |   |  |  |  |   |  |  |  | EM//TB                |  |  |  |   |  |  |  |   |  |  |  | etc = 4                      |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |   |  |  |  |



| Activity ID   | Activity Description                              | Forecast Start | Forecast Finish | % cmplt | ETC        | FY08   |   |   |   |   |   |   |   |   |    |    |    | FY09 |    |    |    |    |    |    |    |    |    |    |    | FY10 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
|---|---|----------------|-----------------|---------|------------|--|---|---|---|---|---|---|---|---|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|--|--|---|--|--|---|--|--|
|   |   |                |                 |         |            | J  |   |   |   | J |   |   |   | A |    |    |    | S    |    |    |    | O  |    |    | N  |    |    | D  |    |      | J  |    |    | F  |    |    | M  |    |    | A  |    |    | M  |    |    | J  |    |    | J  |    |    | A  |    |    | S  |    |    | O |  |  | N |  |  | E |  |  |
|   |   |                |                 |         |            | 1  | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13   | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25   | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |   |  |  |   |  |  |   |  |  |
| <b>Rej</b>  |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Job: 8101 - Project Management &amp;Control-REJ</b>  |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| 810.900   | Project Management Office PPPL FY08 (LOE)         | 01OCT07A       | 30SEP08         | LOE     | 216,292.20 | NEILSON etc =414hr ; STRYKOWSKY etc =540<br>B//CB etc =680hr ; 35etc =12\$ ;<br>41etc =03\$ ; DEPUTYPC etc =95hr ;               |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| 810.9005A   | Project Management Office PPPL fy08 etc           | 02JUN08        | 30SEP08         | LOE     | 125,600.00 | DON REJ1 etc =126\$ ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| 810.901   | Project Management Office PPPL FY09 (SA LOE)      | 01OCT08*       | 31MAR09         | LOE     | 290,785.02 | NEILSON etc =335hr ;<br>Hampton etc =484hr ;<br>41etc =05\$ ;<br>DON REJ1 etc =100\$ ;<br>SIMMONS etc =61<br>STRYKOWSKY etc =417 |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Stratton</b>   |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Job: 3101 - Magnetic Diagnostics-STRATTON</b>        |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Rogowski Coils</b>                                   |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| 3101-359  | Install Rogowski coils support (in job 1815)      | 02APR08A       | 20JUN08         | 30      | 28,185.66  | LABIK etc =40hr ; GUTTADORA etc =302<br>EM/TB etc =15hr ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Strykowski</b>                                       |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Job: 8998 - Allocations-STRYKOWSKY</b>               |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| 99.08   | PPPL Allocations FY08 LOE                         | 01OCT07A       | 29SEP08         | LOE     | 142,323.48 | 54etc =88 ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| 99.09C  | PPPL Allocations FY09 LOE                         | 01OCT08*       | 31MAR09         | LOE     | 59,465.00  | 54 etc =35   |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Viola</b>  |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Job: 1802 - FP Assy Oversight&amp;Support-VIOLA</b>  |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Oversight and Supervision</b>                        |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| 1802ORN02   | ORNL Title III field period assy station 2/3      | 02JUN08        | 30SEP08         | LOE     | 13,860.00  | mcginnis=140   |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-003   | Metrology Engr Super FY08                         | 01OCT07A       | 30SEP08         | LOE     | 45,122.13  | PRINISKI etc =293hr ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-007   | FPA Management FY08                               | 01OCT07A       | 30SEP08         | LOE     | 85,747.73  | VIOLA etc =558hr ;   |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-009   | PU Title III support                              | 02JUN08        | 30SEP08         | LOE     | 62,742.24  | SANDS etc =408hr ;   |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-010   | Drexel co-op student support                      | 02JUN08        | 30JUN08         | LOE     | 2,520.00   | DREXEL etc =168 ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-015   | HP Coverage in the TFTR TC LOE FY08               | 01OCT07A       | 30SEP08         | LOE     | 53,157.42  | SH//TB etc =440hr ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-016   | HP Coverage in the TFTR TC LOE FY09               | 01OCT08*       | 23DEC08         | LOE     | 36,276.45  | SH//TB etc =629hr ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| 1802MISC  | Misc materials,tools, GSA vehicle,rigging         | 01FEB08A       | 30SEP08         | LOE     | 55,890.00  | 41etc =45\$ ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Station 3 procedures,JHA,ACC,Training,Prep</b>       |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-307   | Procedures written & approved                     | 14APR08A       |                 |         | 0.00       |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-309   | JHA completed                                     | 02JUN08        | 09JUN08         |         | 0.00       |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-311   | Training needs identified & released              | 10JUN08        | 17JUN08         |         | 0.00       |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-313   | ACC review completed                              | 18JUN08        | 25JUN08         |         | 0.00       |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-315   | Pre-job brief completed                           | 26JUN08        | 03JUL08         |         | 0.00       |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1802-320   | Update FPA cost estimate for FPA station 2&3      | 14OCT08        | 20OCT08         |         | 0.00       |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Job: 1810 - Field Period AssyStation 1,2,3 VIOLA</b> |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>General Assy Support</b>                             |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1810-003   | LOE Crane support, fixture setupfor FY08          | 01OCT07A       | 30SEP08         | LOE     | 55,605.94  | EM//TB etc =704hr ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1810-025   | Crane & Rigging inspections                       | 01FEB08A       | 30SEP08         | LOE     | 3,948.50   | EM//TB etc =50hr ;   |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1810-007   | LOE Field Supervision for FY08                    | 01OCT07A       | 30SEP08         | LOE     | 79,035.61  | EDWARDS etc =587hr ;   |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1810-2001  | Misc Hardware and hardware rework (1/2 fte loe)   | 01FEB08A       | 30SEP08         | LOE     | 23,691.00  | EM//TB etc =300hr ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| S21-4.02  | Perform routine metrology set-up and checks (loe) | 01FEB08A       | 30SEP08         | LOE     | 61,094.25  | ZMET etc =525 ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Setup</b>  |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| R1810-2034  | Misc Tool and Hardware                            | 02JUN08        | 30SEP08         | LOE     | 18,630.00  | 41etc =15\$ ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Pre-Measuring and fitup checks</b>                   |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| <b>Pre measurement of MCHP A2,B2,C2 flanges</b>         |   |                |                 |         |            |  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| 2-2-2.99  | Drill Stycast fill holes C2                       | 01JUL08*       | 03JUL08         |         | 9,476.40   | EM//TB etc =120hr ;  |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |
| S22-3.02  | Compress shims sort by thickness                  | 01MAY08A       | 11AUG08         | 50      | 3,158.80   | EM//TB etc =40hr ;   |   |   |   |   |   |   |   |   |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |  |  |   |  |  |   |  |  |

| Activity ID                                       | Activity Description                             | Forecast Start | Forecast Finish | % cmplt | ETC       | FY08   |                  |   |   |   |   |   |   |   |   |   |   |         | FY09     |   |   |   |   | FY10 |  |
|---|--|----------------|-----------------|---------|-----------|--------|------------------|---|---|---|---|---|---|---|---|---|---|---------|----------|---|---|---|---|------|--|
|   |  |                |                 |         |           | J      | J                | A | S | O | N | D | J | F | M | A | M | J       | J        | A | S | O | N | E    |  |
|   |  |                |                 |         |           |        |                  |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| <b>Station 2 MC subassy A1B1C1</b>                |  |                |                 |         |           |        |                  |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| <b>AB-C MC Assembly</b>                           |  |                |                 |         |           |        |                  |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.16  | "Lightly" tack weld nose flex shims              | 02JUN08*       | 02JUN08         |         | 947.64    | EM/TB  | etc =12hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.17  | remove "C" coil & place it on a separate fixtur  | 03JUN08        | 03JUN08         |         | 3,790.56  | EM/TB  | etc =48hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.18  | Recheck part alignment & weld all Type-B flex s  | 04JUN08        | 06JUN08         |         | 6,702.91  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   | etc =58 |          |   |   |   |   |      |  |
| 2-1-7.19  | After welding "B" coil nose shims recheck align  | 09JUN08        | 09JUN08         |         | 2,234.30  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =19  |   |   |   |   |      |  |
| 2-1-7.20  | Back office assessment of part after weld        | 10JUN08        | 11JUN08         |         | 4,468.61  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =38  |   |   |   |   |      |  |
| 2-1-7.21  | Measure "C" fiducials                            | 10JUN08        | 10JUN08         |         | 2,234.30  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =19  |   |   |   |   |      |  |
| 2-1-7.22  | Weld all Type-C (A-flange) flex shims plasma sid | 12JUN08        | 13JUN08         |         | 3,790.56  | EM//TB | etc =48hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.23  | After welding determine metrology acceptance     | 16JUN08        | 16JUN08         |         | 2,234.30  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =19  |   |   |   |   |      |  |
| 2-1-7.24  | Back office assessment                           | 17JUN08        | 18JUN08         |         | 4,468.61  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =38  |   |   |   |   |      |  |
| 2-1-7.25  | Remove shims for alignment mating coil           | 17JUN08        | 16JUN08         |         | 0.00      | EM//TB | etc =00hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.07  | Place unfilled shim bags in wing areas           | 17JUN08        | 17JUN08         |         | 1,895.28  | EM//TB | etc =24hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.26  | Lower mating "C" coil into position.             | 19JUN08        | 19JUN08         |         | 3,790.56  | EM//TB | etc =48hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.261   | alignment "C" coil tooling balls                 | 20JUN08        | 20JUN08         |         | 2,234.30  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =19  |   |   |   |   |      |  |
| 2-1-7.27  | position coil accurately in x, y, & z directio   | 23JUN08        | 23JUN08         |         | 1,895.28  | EM//TB | etc =24hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.28  | Install shims;studs,, & "wiggle"                 | 24JUN08        | 24JUN08         |         | 2,842.92  | EM//TB | etc =36hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.29  | Torque50% of final value.                        | 25JUN08        | 25JUN08         |         | 947.64    | EM//TB | etc =12hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.30  | Measure position of all monuments                | 26JUN08        | 26JUN08         |         | 3,351.46  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =29  |   |   |   |   |      |  |
| 2-1-7.301   | Fuji paper, & examine load sharing. back office  | 27JUN08        | 30JUN08         |         | 8,259.17  | EM//TB | etc =48hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =38  |   |   |   |   |      |  |
| 2-1-7.302   | Install new shims & Fuji paper. Lower & reposit  | 01JUL08        | 03JUL08         |         | 5,685.84  | EM//TB | etc =72hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.303   | Install shims without Fuji paper, studs & torqu  | 07JUL08        | 08JUL08         |         | 3,790.56  | EM//TB | etc =48hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.31  | Adjust shims locally. Re-torque all studs50%.    | 09JUL08        | 10JUL08         |         | 3,790.56  | EM//TB | etc =48hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.32  | Install bushing. Replace nut & tighten back50%   | 11JUL08        | 15JUL08         |         | 5,685.84  | EM//TB | etc =72hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.33  | After super bolt tightening, measure position    | 16JUL08        | 17JUL08         |         | 3,351.46  | ZMET   | etc =29 ; EM//TB |   |   |   |   |   |   |   |   |   |   |         | etc =00h |   |   |   |   |      |  |
| 2-1-7.34  | Tighten all boltsir final torque.                | 17JUL08        | 17JUL08         |         | 1,895.28  | EM//TB | etc =24hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.35  | After tightening hardware, meas position of monu | 18JUL08        | 18JUL08         |         | 3,351.46  | ZMET   | etc =29 ; EM//TB |   |   |   |   |   |   |   |   |   |   |         | etc =00h |   |   |   |   |      |  |
| 2-1-7.36  | Weld B / C nose region solenoid side             | 21JUL08        | 23JUL08         |         | 5,685.84  | EM//TB | etc =72hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-7.37  | Measure positions of all monuments               | 24JUL08        | 24JUL08         |         | 2,234.30  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =19  |   |   |   |   |      |  |
| 2-1-7.38  | Back office of above results & INSTALL wing supp | 25JUL08        | 28JUL08         |         | 4,468.61  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =38  |   |   |   |   |      |  |
| 2-1-7.39  | Fill all lose bushings with Stycast 2850FT       | 29JUL08        | 30JUL08         |         | 3,790.56  | EM//TB | etc =48hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| <b>Stycast shim bags &amp; final measurements</b> |  |                |                 |         |           |        |                  |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-8.01  | Fill all wing bladders & cure                    | 31JUL08        | 01AUG08         |         | 3,790.56  | EM//TB | etc =48hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-11.01   | Measure tooling balls on all coils.              | 04AUG08        | 05AUG08         |         | 4,468.61  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =38  |   |   |   |   |      |  |
| 2-1-11.02   | Install or identify three primary fiducials      | 06AUG08        | 07AUG08         |         | 4,468.61  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =38  |   |   |   |   |      |  |
| 2-1-11.03   | Scan "B" flange Type-C coil & interfacing base   | 08AUG08        | 12AUG08         |         | 6,702.91  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =58  |   |   |   |   |      |  |
| 2-1-11.04   | Measure bolt length on all tension fasteners     | 13AUG08        | 13AUG08         |         | 1,895.28  | EM//TB | etc =24hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-11.05   | Perform Electrical Megger test on each coil      | 14AUG08        | 15AUG08         |         | 3,790.56  | EM//TB | etc =48hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-11.06   | Mark part for identification                     | 18AUG08        | 15AUG08         |         | 0.00      | EM//TB | etc =00hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-11.07   | Install lift support beams                       | 18AUG08        | 19AUG08         |         | 7,581.12  | EM//TB | etc =96hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-11.08   | Remove from stand & measure weight of completed  | 20AUG08        | 20AUG08         |         | 3,790.56  | EM//TB | etc =48hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-11.09   | Move to holding area.                            | 21AUG08        | 22AUG08         |         | 7,581.12  | EM//TB | etc =96hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| S21-11.07M  | Complete 1st MCHP Assy (Sta 2)                   |                | 22AUG08         |         | 0.00      | EM//TB | etc =00hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-1-11.10   | Lift upper wedge & reinstall & grout at Assembly | 25AUG08        | 08SEP08         |         | 18,952.80 | EM//TB | etc =240hr ;     |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| <b>Station 2 MC subassy A2B2C2</b>                |  |                |                 |         |           |        |                  |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| <b>A-B MC Assembly</b>                            |  |                |                 |         |           |        |                  |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-2-6.26  | Torque50% of final value.                        | 02JUN08        | 02JUN08         |         | 789.70    | EM//TB | etc =10hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-2-6.27  | Measure position of all monuments                | 03JUN08        | 03JUN08         |         | 2,792.88  | ZMET   | etc =24 ; EM//TB |   |   |   |   |   |   |   |   |   |   |         | etc =00h |   |   |   |   |      |  |
| 2-2-6.28  | Adjust shims locally. Re-torque all studs50%.    | 04JUN08        | 04JUN08         |         | 10,323.96 | EM//TB | etc =60hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =48  |   |   |   |   |      |  |
| 2-2-6.29  | Install bushing. Replace nut & tighten back 50%  | 05JUN08        | 05JUN08         |         | 4,738.20  | EM//TB | etc =60hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-2-6.30  | After super bolt tightening, measure position    | 06JUN08        | 06JUN08         |         | 2,792.88  | ZMET   | etc =24 ; EM//TB |   |   |   |   |   |   |   |   |   |   |         | etc =00h |   |   |   |   |      |  |
| 2-2-6.31  | Tighten all boltsir final torque.                | 09JUN08        | 09JUN08         |         | 1,579.40  | EM//TB | etc =20hr ;      |   |   |   |   |   |   |   |   |   |   |         |          |   |   |   |   |      |  |
| 2-2-6.32  | After tightening hardware, measure position      | 10JUN08        | 10JUN08         |         | 2,792.88  | ZMET   | etc =24 ; EM//TB |   |   |   |   |   |   |   |   |   |   |         | etc =00h |   |   |   |   |      |  |
| 2-2-6.33  | Weld A / B nose region solenoid side             | 11JUN08        | 11JUN08         |         | 10,323.96 | EM//TB | etc =60hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =48  |   |   |   |   |      |  |
| 2-2-6.34  | Measure positions of all monuments               | 12JUN08        | 12JUN08         |         | 1,861.92  | EM//TB | etc =00hr ; ZMET |   |   |   |   |   |   |   |   |   |   |         | etc =16  |   |   |   |   |      |  |



