

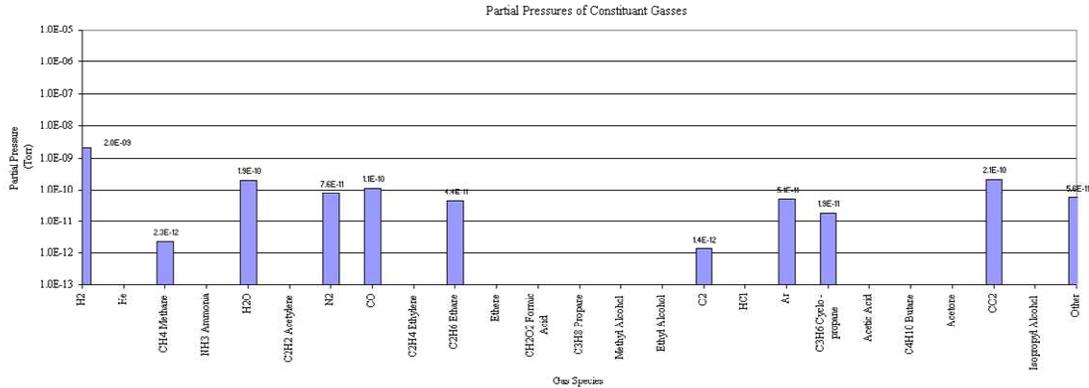
# 2006-05-10 Recycler Department Meeting

Wednesday, May 10, 2006  
2:01 PM

- Machine Coordinator/On-call:
  - Machine Coordinator: with imminent arrival of baby Gattuso
    - new startup coordinator Stan Pruss
    - starting 22 May (when 9 o'clock starts)
    - ~1 month service
  - Preliminary Schedule: open for discussion
    - July: Martin Hu
    - August: Dan Broemmelsiek
    - September: Mary Sutherland
    - October: Lionel Prost
  - Department Head absent from lab: 18-24 May
  
- Tuesday May 16<sup>th</sup>
  - Supervised access from 08:00- 17:00 hrs
  - 17:00 MI tunnel secured for Electrical system test
- Wednesday May 17 and
  - 00:00-08:00 MI Buss hi-potting
  - Supervised access from 08:00- 17:00 hrs
  - 17:00 MI tunnel secured for Electrical system test
- Thursdays 18<sup>th</sup>
  - Supervised access from 08:00- 17:00 hrs
- Friday/Sunday May 19<sup>th</sup>- 21<sup>st</sup>
  - MI power supply testing
  - Saturday 20<sup>th</sup> 16:00- 00:00 hrs
    - Radiation system test for MI/ RR
- Monday May 22<sup>nd</sup>
  - Regular 0900 meeting commence
  - Beam to MI????

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## Tunnel Work



- RGA scan with differential pump valves closed
  - 150 L/s pump saturated with Argon
  - Leak found on MW802
  - Repair completed leak check underway

## Ecool Work Status

### Wednesday:

- Finish shorting rod system repairs and assembly
- Finish collector water system work/change filter (This has to be completed by ~ 2:00, so that the vibration test can occur in the p.m.)
- OTR camera installation in tunnel
- Fill dryer with dessicate
- Electricians to connect power to dryer
- Install Modulator in Pelletron
- Vibration test of Pelletron at 3:00p.m. (The collector water system needs to be complete)
- Interlock building for Vibration test at 3:30

### Thursday:

- OTR camera installation in tunnel -
- General clean up of MI-31
- Get a N<sub>2</sub> dewar delivered to MI-31 for reactivation
- Begin cleaning inside of Pelletron - (if all work inside is completed)
- Skid engineer arrives in evening
- Need final approval of dryer pressure vessel note

### Friday:

- Skid engineer installs new controllers
- Reactivate dryer - (The skid engineer will demonstrate and teach everyone how it works ~ 1 hr., reactivation will take about 4 hrs.)
- Run Checklist
- Clean and close Pelletron
- Need final approval of all pressure vessel notes

### Saturday:

- Transfer SF<sub>6</sub> gas and leak check all new piping, etc. -
- Test out new skid, blower, etc.

## Check Out Status

- - **Powered Trim Magnets:**
    - Verify that connectors are at the correct location and type -Done
    - Check lead Connections -Done
    - Check polarity of magnets -Done
    - Check read backs & verify to tunnel locations -Done
  - **Vacuum:**
    - Check ion pump connections -Done
    - Check ion gauge connections -Done
    - Check pirani gauge connections -Done
    - Check read backs to tunnel locations -Done
    - Verify position of sector isolation valves -Done
  - **Instrumentation:**
    - Verify BPM connections 618-620 Needs to be done
    - Verify Toroid connections -Done
    - Verify Schotky pickup connections -Done
    - Verify Wideband picks -Done
    - Verify Damper Connections 529-530 Needs to be done
    - Verify Flying wire System Under way
  - **Shielding:**
    - Verify that it's intact ring wide -Done
  - **Software:**
    - Critical Programs -Done/Ongoing
    - Sequencer
    - Vacuum
    - emittance monitoring
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- Stan's Recycler Tune talk
  - History
    - Until e- cool, only way they used to set tune was to look at lifetime
    - .425, .415
    - There was coupling. Found a skew quad shorted in tunnel.
    - Shutdown 2k4. Installed new magnet.
    - Minimum tune spread was able to get lower than 0.001.
    - Tune scans with protons
    - Vertical worked ok. 406 to 431, but horizontal above 420 hurt.
    - Horizontal tunes goes up with increasing intensity. Vertical goes down with increasing intensity.
  - Turn back on
    - start with .418, .414
    - High tunes. Stochastic cooling less efficient?
- Want one week to comfortably be ready for transfers.