

PHENIX WEEKLY PLANNING

TECHNICAL SUPPORT ZONE



1/19/2012
Don Lynch

This Week

- Martin Luther King Day - lab holiday, lab closed (Monday 1/16/12)
- Continue RPC1 N & S commissioning
- VTX/FVTX LV, HV, signal, fiber and thermocouple and plumbing verification and commissioning
- Cosmic Ray Tests
- Close shield wall - IR access limited
- Safety Walkthru
- Run 12 cooldown
- End of shutdown/start of run party Friday 1/20/12 noon-2:00

Next Week

Run 12 Commissioning

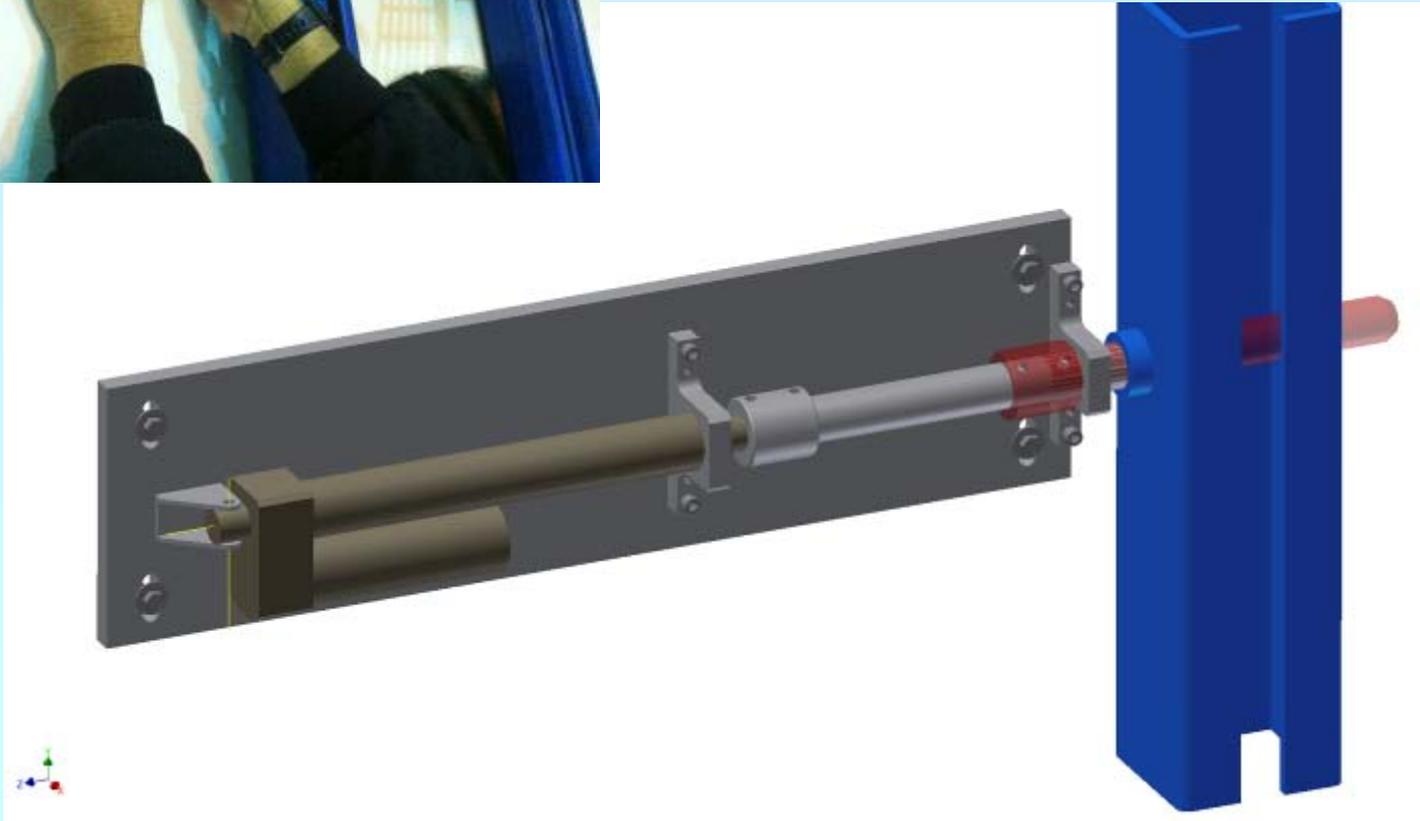
Continue Commissioning of RPC1, VTX and FVTX

DC East & West Troubleshooting and Repair

Access to the IR will be limited



Window Washer Safety Pins:
Remote insertion/retraction



Looking Ahead to the 2012 Shutdown

Major Projects:

- Remove VTX/FVTX
- Repair upgrade, test, reinstall VTX/FVTX
- Remove/Repair/Upgrade MuTr Station 1 South
- Station 2 South (north side) upgrade
- Station 3 North and South (upper half) re-capacitation and air manifold upgrades
- RPC stations 1 and 3, north and south maintenance
- Other detector maintenance as required
- Infrastructure maintenance as required
- TBD prototype tasks

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Infrastructure Issues

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- Roof leaks in utility bathroom at northwest corner behind tech offices, over door between rack room and assembly hall, over door between control room and elect. ass'y room, southeast corner of IR and laser room.



- Flooding in AH/ Driveway heaving



- Electronics test/assembly room-to-parking lot door (does not open/close/lock properly - needs to be replaced)

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1. Annual PHENIX Safety Review Action Items:

- Consult with Levesque and Kretschmann about the vertex detectors fiber optics bundles from the fire loading perspective (Kretschmann Jan 15, 2012) ???
- Review to assure all power supplies are NRTL equivalent compliant and affix respective labels (Giannotti Jan 15, 2012)
- Provide the new flammable gases leak rates (Pisani, Jan 15, 2012) Done
- Provide the updated gas usage quantities (Pisani Jan 15, 2012) Done
- Consult with Phillips whether the FR134 is likely to be sucked into the gas mixing house should a leak develop in the shed Done
- Carry out the Blue Sheeting Done
- Provide the calculations for the gas shed (Lynch, ~~Pisani~~ Jan 19, 2012) ← Phillips
- Provide updated sweep procedures (Sampson Jan 15, 2012) ???
- Carry out an inspection of the installed platform gates (Cirnigliaro Jan 10, 2012) ???



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2. Annual PHENIX Safety Review Additional General Action Items:

- Update the PHENIX ECR. (Craner, Jan 15, 2012) ???
- Update the PHENIX work plan (Cirnigliaro Jan 10, 2012) ???
- Carry out a magnetic safety review (Phillips Jan 15, 2012) (Done)
- A walk through of the PHENIX detector prior to introduction of flammable gas. (Makdisi / Etkin et al Jan 10, 2012) (Done)
- Update the documented work procedures. (Lynch Continuing from last year)
- Establish trained PHENIX watch shifts. (O'Brien Jan 10, 2012) (Done)
- Review and update the PHENIX emergency procedure if necessary (Makdisi Jan 10, 2012) ???

3. Post shutdown project review (PHENIX Engineers & Techs): to be scheduled

- 4. Tunnels now posted ODH1 -will need ODH1 web course, medical clearance and survival pak hands on training to work in the tunnel
- 5. Safety Solution Proposals (S2) for FY2012 due by 1/30/12



Safety Walkthrough Checklist

The follow items were noted during yesteday's safety walkthru:

TECHNICAL SUPPORT ROOM

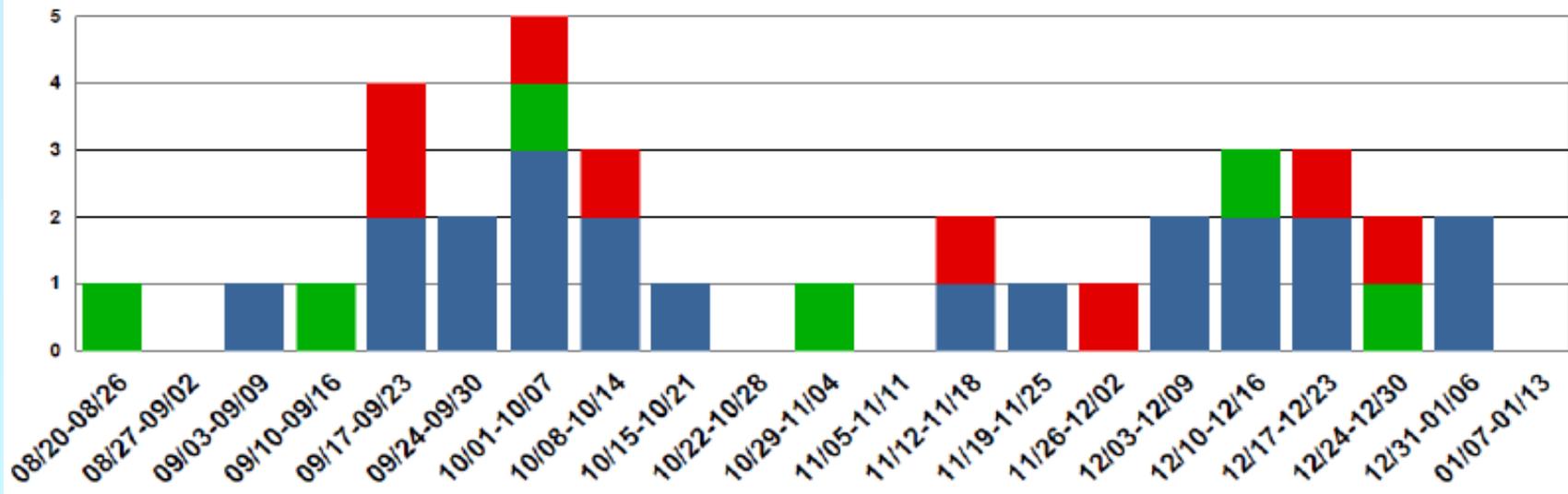
Checklist Item #	Initial	Title *	Description Of Check-Off List Item	Priority
CK-PHENIX-12-01		ESRC	All relevant ESRC action items closed.	Pre start
CK-PHENIX-12-02		EC	Laser: Provide the interlock test log for the laser to Asher Etkin	Post start
CK-PHENIX-12-03		EC	AB: A general clean up	Post start
CK-PHENIX-12-04		EC	AB: Cap the gas cylinder under the VTX cooling platform	Pre start
CK-PHENIX-12-05		EC	IR: Label the disconnected cables (West side)	Pre start
CK-PHENIX-12-06		LE	IR: Replace damaged floor gratings	Pre start
CK-PHENIX-12-07		LE	IR: Add a plug to the white pipe (West wall)	Pre Start
CK-PHENIX-12-08		LE	IR: Remove dunnage by the emergency exit	Pre Start
CK-PHENIX-12-9		EC	GMH: general clean up	Post Start

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CK-PHENIX-12-10		EC	GMH: Put liquids in a flammable enclosure	Post Start
CK-PHENIX-12-11		EC	GMH: Remove items from cabinet tops and remove the card boxes.	Pre Start
CK-PHENIX-12-12		EC	GMH: Label the gray disconnected cable	Pre Start
CK-PHENIX-12-13		LE	Tunnel S: remove red danger tape and provide access to the MulD gas panel.	Pre Start
CK-PHENIX-12-14		**	Tunnel S: A decision is needed on the wooden scaffolding for the exhaust fan	Post Start
CK-PHENIX-11-15		MCR GL	Check off list is complete	Pre start

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Injuries Per Week
As of 1/12/2012



Injury Status:

FY12 YTD: DART – 7, TRC – 11, First Aid – 16
 FY11: DART – 27, TRC – 42, First Aid – 45
 FY10: DART – 19, TRC – 33, First Aid – 52



Recent Injuries

1/6/12	First Aid	An employee was injured while descending a ladder, while working on overtime. The injury was reported to the EMTs at the Fire House and he returned to normal duties.
1/6/12	Info Only	An employee strained a knee unloading a vehicle on 1/6/12. This was aggravated by walking on 1/9/12. More information will be available later.

Recent Events		
1/11/12	SC-BNL	On the morning of 1/11/12, an F&O employee observed water emerging from the ground on the north side of Cornell Ave. immediately east of Bldg. 901. Groundwater Protection Group personnel were notified and responded to the location which is approximately 40 feet south of the BGRR Groundwater Treatment System Pipeline. The treatment system pumps were immediately shut down and the water flow stopped within 5 to 10 minutes. It is estimated that approximately 400 to 800 gallons of water may have leaked. Maximum Sr-90 concentrations in this water are approximately 100 pCi/L. Some water was observed to have migrated to the west down Cornell Ave. to a storm water basin in front of Bldg. 901 which was observed to be dry on the bottom. A FS rep responded and scanned the area with a hand held frisker. No readings were observed above background and this along with the maximum Sr-90 concentration of 100 pCi/L led to a determination that there were no radioactive contamination issues associated with the leak. Standing water was observed in a catch basin on the south side of Cornell Ave. was sampled for Sr-90 but is believed to be residual precipitation. The treatment system will remain off until the source of the leak can be determined and repaired.
1/10/12	SC-4	While replacing a refrigerant line, workers in the Bldg. 1005 alcove inadvertently released approximately three pounds of Freon-R22 from an adjacent active refrigerant line, which was soldered to the line being replaced. The ODH alarm was activated, the area was evacuated, and Fire/Rescue was called. ESH personnel responded, and NYS DEC was notified of the uncontrolled release. Further investigation by C-AD revealed that there was no ODH alarm. A smoke alarm went off because the Freon blew towards the detector in the B-alcove when the line broke. Freon blocks the electrons in the smoke detector causing it to alarm and Freon is a heavy molecule so it does not take a lot of Freon to cause a spurious smoke alarm, there was no fire. Records of the ODH system and the fire alarm data in the Main Control Room confirmed this. Note: The initial report that an ODH alarm was actuated was reported (in error) by the workers to G. Blanda, who relayed the information to the Event Categorizer. E. Sierra, 1/11/12
1/10/12	Non-Reportable	Contractors uncovered a water main containing asbestos while digging a trench on the west side of Bldg. 740. IH was contacted, and began the remediation process. Work has stopped until the asbestos removal is completed. No personnel were exposed to asbestos.
1/5/12	SC-BNL	Monitoring results for two of the Geoprobe wells south of Brookhaven Avenue (G2-GP-111 and G2-GP-112) indicate increased tritium concentrations in the g-2 plume up to 58,600 pCi/L. As per the g-2/BLIP/UST Record of Decision (2007) EPD is required to track the down gradient segment of the g-2 tritium plume until concentrations decrease to below the 20,000 pCi/L drinking water standard. The g-2 tritium plume has been monitored since 1999, and monitoring results are routinely communicated to the regulatory agencies via quarterly and annual reports, and as necessary during biweekly IAG conference calls. The proposed follow up

Where To Find PHENIX Engineering Info

MLK Holiday
Monday 1/16/12
No work



*Go Giants !
(much as it pains me to say it)*

AFC and NFC Championship Games this weekend:

My Predictions:

Ravens over the Patriots 24-17

Giants over 49ers 35-24

Links for the weekly planning meeting slides, archives of past meeting slides, long term planning, pictures, videos and other technical info can be found on the PHENIX Engineering web site:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm

