

# 2011-03-11 Friday Morning Notes

Friday, March 11, 2011  
8:00 AM

## On-call

- Friday: Werkema
- Saturday: Morgan
- Sunday: Stan
- Monday: Al

## Start-up:

- Finished up Pbar Rings/Transport access yesterday afternoon
  - Interlocks were dropped at the Transport gate (need both keys)
- Rings were turned on and put in standby by the start of the evening shift.
- A:QDF had problems
  - Bernie cycled the regulation module and all is better
  - We may do addition work on A:QDF before we return to stacking.
- PreVault back to controlled access mode.
- The Dump water circuit leak sealing process will be done by mid-morning. We applied the sealant to both circuits. More details in the second half.
- EQ28 LCW leak in PreVault required parts from TD to complete.
  - Water experts are finishing up now.
  - AP1 magnets have the LCW valved out.
  - Can't turn on AP1 supplies until MOS89 is switched on anyway.
  - However, there are two magnets in PreVault that are powered by AP0 and not F23. (D:H926 and D:QS928) Those supplies are locked out until LCW repairs are complete.

## Grand Total Requests: 33 March 7th shutdown Details

Req'r & Priority	For Shutdown	Crew / Key	Description	Type & Location	Duration
B. Drendel x6572 03/07/11 <a href="#">13157</a>	Do-Now 03/07/11	Water Group 2 Pbar Acc/Deb (@Pbar) 	D1Q5 LCW Leak  LCW Leak on D1Q5. The leak is located on one of the black hoses at the back of the magnet. March 2011 shutdown  Attention needs: Mech Support 	Water  D1Q5 LCW leak	1 hour over 1 day
B. Drendel x6572 03/07/11 <a href="#">13154</a>	Do-Now 03/07/11	Water Group 2 Pbar Acc/Deb (@Pbar)2 Pbar Transport 	EQ3B LCW leak  Leak on orange hose on EQ3B.  Attention needs: Mech Support 	Water  Pbar Rings	1 hour over 1 day
B. Drendel x6572 03/07/11 <a href="#">13153</a>	Do-Now 03/07/11	Vacuum guys and/or Cryo guys  2 Pbar Acc/Deb (@Pbar) 	Investigate Cryo/Vacuum at A60  Look for Cryo and/or vacuum problems at the A60 pick-up tanks. See <a href="http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar11&amp;action=view&amp;page=48&amp;anchor=005421&amp;hilite=00:54:21-">http://www-bd.fnal.gov/cgi-mach/machlog.pl?nb=pbar11&amp;action=view&amp;page=48&amp;anchor=005421&amp;hilite=00:54:21-</a>	Vacuum  A60	4 hours over 1 day

			Attention needs: Cryo, Mech Support, Pbar 		
D. Vander Meulen x6330 03/03/11 <a href="#">13140</a>	Do-Now 03/07/11	P. Seifrid, W. Mueller  2 Pbar Acc/Deb (@Pbar) These keys will be needed everyday during the shutdown  \n 	D:P3TW07 Trip Point  D:P3TW07 is tripping much lower than all other PB3 TWTs. Check trip point. March 2011 Shutdown Job.  Attention needs: Pbar, RF  Manpower needs: Technicians 	Stochastic Cooling  Pbar Rings	1 hour over 1 day
B. Wisner x4769 03/03/11 <a href="#">13138</a>	Do-Now 03/07/11	B. Wisner, C. Bair 	Repair PS regulator modules  March 2011 - The regulator modules for the Dynapower power supplies D:Q924, D:Q926, D:Q719, A:SQ100, and A:SQ607, will be repaired. The feedback voltage inside these regulator modules, have a large offset. The IC chip IC13 will be replaced.  Attention needs: Pbar  Manpower needs: Technicians 	Power Supply  AP0, AP10, AP50	2 hours over 1 day
B. Wisner x4769 03/03/11 <a href="#">13135</a>	Do-Now 03/07/11	B. Wisner, C. Bair, D. Peterson 	Repair Septum PS module  March 2011 - The Septum "PS Power Module" that failed in DISEP on 25 Feb, can not be easily fixed in the shop. We would like to repair and checkout the spare module in a Septum system.  Attention needs: Pbar  Manpower needs: Engineers, Technicians 	Kicker Systems  AP50	8 hours over 1 day
B. Wisner x4769 03/03/11 <a href="#">13134</a>	Do-Now 03/07/11	B. Wisner, C. Bair  2 Pbar Transport 	Repair D:QS704 shunt  March 2011 - The readback current for shunt D:QS704 is unstable. It varies by 0.4 amp steps.  Attention needs: Pbar  Manpower needs: Technicians 	Power Supply  Transport	6 hours over 1 day
H. Gusler x4436 03/02/11 <a href="#">13133</a>	Do-Now 03/07/11	gusler and crabtree  2 Pbar Acc/Deb (@Pbar) These keys will be needed everyday during the shutdown  \n 	rough pump  March 2011 Shutdown: check or replace insulating vacuum rough pump as needed  Attention needs: Pbar  Manpower needs: Technicians 	Vacuum  A60	2 hours over 1 day
B. Wisner x4769 02/25/11 <a href="#">13116</a>	Do-Now 03/07/11	B. Wisner, C. Bair 	DIKIK module 2, 24V PS bad  March 2011 - The output of the 24V PS, inside Tube Interlock module #2, is at 20V. The 24V PS needs to be adjusted or replaced. This PS only	Kicker Systems  AP50	3 hours over 1 day

			affects the kicker's interlock system.  Attention needs: Pbar  Manpower needs: Technicians 		
B. Drendel x6572 02/22/11 <a href="#">13097</a> 	Do-Now 03/07/11	Water Group  2 Pbar Transport 	Repair LCW leak in transport  Leak on orange hose connecting to the supply header near IQ23 in the Pbar Transport enclosure. March 2011 shutdown  Attention needs: Mech Support 	Water  Pbar Transport Enclosure	1 hour over 1 day
D. Vander Meulen x6330 02/21/11 <a href="#">13096</a>	Do-Now 03/07/11	Mech. Support  2 Pbar Acc/Deb (@Pbar) These keys will be needed everyday during the shutdown \n 	Move wood cribbing  March 2011 Shutdown: There is a pile of wood cribbing blocking clear access to interlock box # 10.  Attention needs: Pbar  Manpower needs: Technicians 	Misc  A50 rings emergency exit	1 hour over 1 day
B. Wisner x4769 02/21/11 <a href="#">13094</a>	Do-Now 03/07/11	B. Wisner, C. Bair, S. Johnson 	Repair M:HV100 control cable  March 2011 - The power supply control cable from the C465 camac card, has two problems. The ON/OFF control of the power supply does not work, and all of the readback status bits show OFF. Currently M:HV100 is being controlled by a C119 camac card, but the C465 card is preferred.  Attention needs: Pbar  Manpower needs: Technicians 	Power Supply  F23	4 hours over 1 day
D. Peterson x3073 02/18/11 <a href="#">13091</a>	Do-Now 03/07/11	FESS (Lonnie Huitt is contact person)  3 Pbar Acc/Deb (@Pbar) 	Check 60 Sector Fan wiring  March 2011 - The 60 Sector exhaust fan seems to be connected to power from AHU3 in AP50. FESS would like to verify the wiring.  Attention needs: FESS, Pbar  Manpower needs: Electricians 	FESS / Utilities  60 Sector Exhaust fan	3 hours over 1 day
D. Peterson x3073 02/18/11 <a href="#">13090</a>	Do-Now 03/07/11	Peterson, Dilday  2 Pbar Acc/Deb (@Pbar) 	Connect diodes to MADC Channels  March 2011 - Connect Debuncher Cooling band 1, 2 & 3 diodes to MADC channels.  Attention needs: Pbar  Manpower needs: Engineers, Technicians 	Stochastic Cooling  A10-1, A10-2 and A30 Stub Rooms	6 hours over 1 day
R. Brooker x4700 02/11/11	Do-Now 03/07/11	Julius Lentz and/or other 	Debun bend/quad PS regulation  MARCH 2011 - Service regulation electronics for debuncher bend & quad power supplies.	Power Supply  AP10,	8 hours over 1 day

<a href="#">13065</a>			Attention needs: Pbar Manpower needs: Technicians 	AP50	
R. Brooker x4700 02/11/11 <a href="#">13064</a>	Do-Now 03/07/11	Julius Lentz and/or other 	Accum bend/quad PS regulation MARCH 2011 - Service regulation electronics for accumulator bend & quad power supplies. Attention needs: Pbar Manpower needs: Technicians 	Power Supply AP10, AP50	8 hours over 1 day
R. Brooker x4700 02/11/11 <a href="#">13063</a>	Do-Now 03/07/11	EEPS technician(s) 	Service corrector PSs air filter MARCH 2011 - Service air filter media on raw power supply for correction regulators. Requires AC input power to be off. Attention needs: Pbar Manpower needs: Technicians 	Power Supply AP10, F23	2 hours over 1 day
A. Leveling x4041 02/11/11 <a href="#">13049</a>	Do-Now 03/07/11	Wisner, Leveling 1 Pbar Water Cage These keys will be needed everyday during the shutdown 	Beam Dump water pressure control The pressure regulation range on the dump water system is higher than expected. Review of historical data shows that this issue has existed for some time. Check instrumentation voltages and autovent control card voltages on beam dump water skid. One hour radiation cooling required plus 30 minutes to check system. Attention needs: ES&H, Pbar 	Target Station AP0 water cate	1.5 hours over 1 day
P. Sheahan x4740 02/11/11 <a href="#">13048</a>	Do-Now 03/07/11	sheahan, mueller 2 Pbar Acc/Deb (@Pbar) 	PA tube replacement Replace three sets of PA tubes on DRF1-5, 6 and 7 during March shutdown Attention needs: Pbar 	High Level RF DRF1 tunnel	4 hours over 1 day
A. Leveling x4041 02/10/11 <a href="#">13047</a>	Do-Now 03/07/11	Kelly, Schneider 	March target air blower check Perform periodic maintenance on target blower in March 2011. Last maintenance was on February, 2011. Attention needs: Pbar 	Target Station AP0 Target Hall	1 hour over 1 day
A. Leveling x4041 02/10/11 <a href="#">13044</a>	Do-Now 03/07/11	LeBeau, Shultz, Leveling 1 Pbar Vault These keys will be needed everyday during the shutdown 	Target rotation motor The target rotation motor was last checked in November 2010. Thrust bearing maintenance was last completed in August 2010. The rotation motor has been in service since 12/2009. Inspect pbar production target rotation system during March 2011 shutdown.	Target Station AP0 lower vault	4.1 hours over 1 day

			Attention needs: ES&H, Pbar 		
D. Vander Meulen x6330 02/09/11 <a href="tel:13039">13039</a> 	Do-Now 03/07/11	P. Seifrid, W. Mueller  2 Pbar Acc/Deb (@Pbar) These keys will be needed everyday during the shutdown \n 	Lower Debuncher HB2 gain  The Debuncher horizontal band 2 attenuator is running very nearly at its maximum value. This causes problems when TWTs trip because the system gain cannot be lowered enough to get D:H2TW03 back on without turning off a low-level amp. We need to add ~8dB to the trunk.  Attention needs: Pbar, RF  Manpower needs: Technicians 	Stochastic Cooling  D30 Tunnel	1 hour over 1 day
S. Shirley x3363 02/09/11 <a href="tel:13015">13015</a>	Do-Now 03/07/11	FESS/Ops 	PM Compressor  March Shutdown PM Air Compressor  Attention needs: FESS, Operations, Pbar 	FESS / Utilities  APSB10	1 hour over 1 day
H. Wyeth x3467 02/09/11 <a href="tel:13013">13013</a>	Do-Now 03/07/11	DDC  2 Pbar pretarget2 Pbar prevault 	Repair Controls @ AP0  Repair Controls @ AP0 Exhaust Fan "DDC"  Attention needs: FESS, Pbar 	FESS / Utilities  AP0	4 hours over 1 day
A. Leveling x4041 02/01/11 <a href="tel:12981">12981</a> 	Do-Now 03/07/11	Leveling, LeBeau, Ford, Zahurones, RCT  1 Pbar Vault1 Pbar Water Cage These keys will be needed everyday during the shutdown \n 	Beam Dump Water System  Pbar beam dump water circuit #1 has developed a leak once again. Repair water leak during March 2011 electric power maintenance period.  Attention needs: ES&H, Mech Support, Pbar 	Target Station  AP0 water cage	20 hours over 4 days
D. Vander Meulen x6330 01/28/11 <a href="tel:12973">12973</a> 	Do-Now 03/07/11	P. Seifrid, W. Mueller  2 Pbar Acc/Deb (@Pbar) These keys will be needed everyday during the shutdown \n 	PB3 #7 Reverse Power Trips  Debuncher momentum band 3 TWT #7 is tripping on reverse power. This is limiting the forward power of the entire system. Investigate reverse power.  Attention needs: Pbar, RF  Manpower needs: Technicians 	Stochastic Cooling  D30 Tunnel	2 hours over 1 day
J. Makara x5584 01/27/11 <a href="tel:12950">12950</a>	Do-Now 03/07/11	tba  2 Pbar Acc/Deb (@Pbar) 	FRIG performance issues  March or such: Investigate FRIG performance issues, possibly expanders or excessive heat load (e.g. tunnel vacuum at Debuncher lines); correct as necessary. 24 recovery if full engine overhaul is opted for.  Attention needs: Cryo, Pbar  Manpower needs: Technicians 	Misc  AP30 FRIG/tunnel 1	24 hours over 1 day

R. Brooker x4700 01/26/11 <a href="#">12949</a>	Do-Now 03/07/11	Dave Kihlken, and/or others †	D:H926 regulator mode switch  MARCH 2011 - Replace locking toggle mode switch on regulator loop compensation board. Install dry contact equivalent. H926  Attention needs: Pbar  Manpower needs: Technicians ☰	Power Supply  APO	2 hours over 1 day
D. Vander Meulen x6330 01/20/11 <a href="#">12921</a> ☎	Do-Now 03/07/11	P. Seifrid, W. Mueller  2 Pbar Acc/Deb (@Pbar) These keys will be needed everyday during the shutdown \n †	A:SPTL06 Sticks  Stacktail low-level trombone A:SPTL06 barely moves.  Attention needs: Pbar, RF  Manpower needs: Technicians ☰	Stochastic Cooling  A60 Subroom	1 hour over 1 day
D. Vander Meulen x6330 01/10/11 <a href="#">12901</a> ☎	Do-Now 03/07/11	P. Seifrid, W. Mueller  2 Pbar Acc/Deb (@Pbar) These keys will be needed everyday during the shutdown \n †	PB1 gain loss  Debuncher Momentum band 1 has lost about 8dB of gain.  Attention needs: Pbar, RF  Manpower needs: Technicians ☰	Stochastic Cooling  Pbar Rings enclosure, D10-D30	2 hours over 1 day
K. Gollwitzer r x8282 01/04/11 <a href="#">12886</a> ☎	Do-Now 03/07/11	VanderMeulen, Morgan, Werkema, Gollwitzer, Songeroth, Nagaslaev, Drendel  2 Pbar pretarget2 Pbar prevault4 Pbar TransportThese keys will be needed everyday during the shutdown\nThese keys will be needed immediately for preparatory work  †	Inspection of PreVault/Target  Inspection of Pbar tunnel; search for water leaks and ground water etc.  Attention needs: Pbar ☰	Misc  PreVault/Target enclosure	1 hour over 1 day
K. Gollwitzer r x8282 01/04/11 <a href="#">12884</a> ☎	Do-Now 03/07/11	VanderMeulen, Morgan, Werkema, Gollwitzer, Songeroth, Nagaslaev, Drendel  4 Pbar Acc/Deb (@Pbar)4 Pbar TransportThese keys will be needed everyday during the shutdown\nThese keys will be needed immediately for preparatory work  †	Inspection of Transport  Inspection of Pbar tunnel; search for water leaks and ground water etc.  Attention needs: Pbar ☰	Misc  Transport enclosure	1 hour over 1 day
S. Shirley x3363 12/13/10 <a href="#">12799</a>	Do-Now 03/07/11	FESS/Ops †	AP0TH Air Compressor  March Shutdown PM Air Compressor in service building	Misc  AP0TH	2 hours over 1 day

			Attention needs: FESS, Operations, Pbar 		

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