

Job #	Contact	Crew	Category	Job Description	% Done	Status/Notes
No Job #	Bob Dysert	Bob Dysert	Diagnostics	Work on bimodal output of P1 line BPMs	100%	Disconnected the MI RF input to the 74MHz digitizer clock board for the P1 line BPMs. This should eliminate the bi-modal behavior observed on HP706 during stacking. There is a PLL on the 74MHz clock board that will attempt to lock the RF output to an input source, but this PLL was designed to lock to the TeV ramp and could not keep up with the much faster MI ramp.
9100	David Peterson (x3073)	Peterson, Dilday	Diagnostics	Check Sten style AP2 BPM cards for proper insulation along internal mounting rail.	100%	Completed
9064	David Peterson (x3073)	Peterson, Dilday or Sheahan	Diagnostics	The A60 exhaust fan flow switch was bouncing to bad status recently.	100%	Experts tested the system and could not repeat the problem.
8228	Bernie x4769	Wisner, Sondgeroth, Bair	Diagnostics	SEM706 has no beam profile. We suspect the SEM preamp may have been damaged by radiation, and they will need to be replaced. These two preamps were last replaced in Nov 2004.	100%	Scheduled for 10/8 or 10/9
9113	Mark Obrycki (x4836)	Obrycki Federwitz	ES&H	Add Pre Target ESS permit to Lithium Lens permit	80%	Done. It is now tied into the safety systems for the Pbar Vault, Pre-vault, and Pre-Target enclosures. A separate ESS test will need to be done for each enclosure
9027	Randy Zifko (x4450)	Interlock Group	ES&H	The light beam at Intlk #1 seems to be broke or out of alignment. This is not a problem now, but it will be if the interlocks are broken at any time. If not before we will fix this at the shutdown.	100%	Done 10/6/08
8995	Randy Zifko (x4450)	Safety Techs	ES&H	Test the ACC/DEB Rad Monitors	100%	Done 10/7/08
8994	Randy Zifko (x4450)	Safety Techs	ES&H	Test the ACC/DEB ESS	100%	Scheduled for evening of 10/8/08
8993	Randy Zifko (x4450)	Safety Techs	ES&H	Test the Vault ESS	100%	Done 10/6/08
8992	Randy Zifko (x4450)	Safety Techs	ES&H	Test the Pre-Vault ESS	100%	Scheduled for evening of 10/8/08
8991	Randy Zifko (x4450)	Safety Techs	ES&H	Test the Pre-Target ESS	100%	Scheduled for evening of 10/8/08

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8989	Randy Zifko (x4450)	Safety Techs	ES&H	Test the Transport ESS	100%	Scheduled for evening of 10/8/08
8976	Randy Zifko (x4450)	Safety Techs	ES&H	Test the PBar ACC/DEB CDC	100%	Done 10/6/08
8975	Randy Zifko (x4450)	Safety Techs	ES&H	Test the PBar PT/PV/V/Xport CDC	100%	Done 10/6/08
8974	Randy Zifko (x4450)	Safety Techs	ES&H	Test the PBar (PV/V/Xport) CDC	100%	Done 10/6/08
8913	Dale White (x6524)	Rad Safety	ES&H	Change Detectors	100%	Done 10/6/08
8683	Chuck Worel (x4836)	Interlock Group Techincians	ES&H	Check ground fault voltage circuit of the Pre-Vault Safety System. This may drop the secure of the enclosure depending upon what we find.	100%	10/7/08: Ground fault found. Board that went bad.
8813	Henry Gusler (x4436)	Gusler and Crabtree/Budlong	Kickers	Bake out A20 kicker tank and shutters to improve the voltage level on the kicker module #1. This job will NOT be done if job #8730 (Hi-pot tank) is done, since the two jobs are not compatible.	0%	Not being done.
8730	David Peterson (x3073)	Peterson, Obie, Wisner and maybe kicker experts	Kickers	Look at voltage on each end of kicker during pulse. Also do low energy hi-pots to determine breakdown threshold and polarity dependence. This job will NOT be done if job #8813 (bake out A20 kicker tank) is done.	0%	Can not be done. The voltage to ground of the kicker is a couple hundred kilo-ohms. This is design. There is not a DC hipotter available that can supply the necessary voltage.
8528	Bernard Wisner (x4769)	B. Wisner, C. Bair, Obie	Kickers	The electrolytic capacitors in the Spellman high voltage power supplies need to be replaced, in A:IKIK, A:EKIK, D:IKIK and D:EKIK. They have shown signs of failing recently, and this has lead to the power supply being more seriously	100%	Done 10/7/08
7302	Bernie x4769	Obie, Bernie, Chuck	Kickers	Replace the aging matching capacitors, in the high voltage feedthroughs, on the kicker tanks, for AIKIK and AEKIK.	60%	Scheduled 10/8/08
9024	Darrell Sigmon (x8665)	Contractors	MISC	Darrell Sigmon has made arrangements to have contractors address the "no work area" AP50 cooling system. The plan is to replace the existing system with a new system, and relocated it across the hall. Arrangements have been made to	75%	A new unit was installed across the aisle from the old unit. Pipe work, etc.. Is in progress

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8826	Stanley Johnson (x8684)	srj and ops	MISC	Change the digital control from C119/C165 cards to C465 cards for the AP1 120 Gev supplies. The C465 cards are already supplying the Power supply references. This will allow C119 and C165 cards for those supplies to be removed.	80%	Bad cable for HV100. Q109 is still not cabled for 465 card. We plan to address these problems by Friday.
8808	Henry Gusler (x4436)	Gusler and Crabtree	MISC	Remove collimators from pbar tunnel thru APO hatch after removing blocks from hatch. Return blocks to hatch. This will require Supervised Access conditions.	100%	Done 10/5/08
8804	Oliver Kiemschies (x3721)	Oliver Kiemschies and/or Sasha Makarov and/or 1 TD Tech (Two	MISC	TD would like to inspect the flag braces on the 6-4-120 (SDFW) magnets in the AP-2 line. This is preparatory work for Job 8793.	100%	Done 10/6/08
8793	Oliver Kiemschies (x3721)	Sasha Makarov (for day 1) and two TD Techs (for both days)	MISC	There are 4 SDFW magnets installed in the AP-2 line. We would like to install braces around the flag connections to avoid failures similar to that which occurred on July 29,2008 to IB7.Job 8804 is prep work for this job.	50%	Ran into a problem fitting the braces in place, resulting in a modification required on the braces. Scheduled to finish by 10/8/08.
8785	Merrill Albertus (x3011)	1 carpenter, 2 techs (to be announced later)	MISC	Install new door at AP1 in tunnel to control air flow upstairs. Measurements will need to be made before door installation, which is job #8720.	0%	Measurements were made; however, it appears that we won't be able to arrange for a contractor during this shutdown.
8720	Gary Lautenschlager (x8360)	Lauten and Albertus (?)	MISC	Measure labyrinth dimensions for a permanent door that may be installed in Oct shutdown. This is prep work or Job #8785.	100%	Done 10/6/08
8715	Jerry Makara (x5584)	TBA; Mike Hentges	MISC	Add an automated exhaust fan near the LHe Notch Filter dewar/distribution box for activation upon ODH alarm, similar to unit installed in the Refrigerator Room. Requires tie-in for electrical and building wall access. M.Hentges to	0%	Need an update
8307	Mark Dilday (x3757)	Mark Dilday, Greg Brown	MISC	Measure wireless signal at selected areas in PBAR tunnel.	0%	Scheduled for 10/8 or 10/9
No Job #	Susan Sprosty x4079	fess ops	PM	Work request # WO408941: http://fess-oracle-web.fnal.gov:7778/default/req_status.ticket?this_wo=WO408941	10%	Work in progress
8934	Robert Brooker (x4700)	Ken Sievert; John Brown	PM	Replace Ion Pump Power Supplies that have bad fans.	100%	Done 10/7/08
8920	Herb Wyeth (x3467)	Two HVAC Tech's	PM	PM HVAC Units, AP0TH, AP093, AP092, AP079, AP082, AP078, AP091.1, AP216, AP079, AP082, AP078	0%	Scheduled for 10/9 are Air compressor AC01 and AC02 annual/quarterly inspection Pbar LCW filter check and possible replacement

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8917	Timothy Griffin (x5144)	fess ops	PM	pm air compressors, exhaust fans, pumps,& sump pumps	0%	Need an update
8853	Donald Poll (x4616)	Budlong & Poll	PM	Test all safety lights in the underground enclosures associated with the PBar source.	100%	10 emergency lights failed test, three exit signs failed the test or have a bad bulb, and three flourescent light fixtures need new bulbs. List sent to work central. Work request # WO408941 http://fess-oracle-
7944	Susan Sprosty x4079	FESS	PM	PM PANELS SUMP PUMPS AND TOTAL PM RELAMP AP10 TUNNEL THROUGH AP60 AND TUNNEL GOING TO APOTH	90%	Most PM has been completed. During the PM process, FESS found that Transport Enclosure Sump #7 is bad and needs to be fixed.
No Job #		Obie	Power Supplies/Shunts	A:IB Contactor may need to be replaced.	0%	Experts will test further 10/9/08
9082	Bernard Wisner (x4769)	B. Wisner, C. Bair, M. Dilday, Obie	Power Supplies/Shunts	Replace D:QS917 shunt. The 50 amp shunt, needs to be replaced, because its output current is limited to 27 amps.	100%	Scheduled for 10/8/08
9031	Chuck Bair (x4696)	Obie, B. Wisner, and C. Bair	Power Supplies/Shunts	Apply Ground to bases of the Crowbar (Deadman) Relays, on Collection Lens Power Supply (D:LNV). It was discovered that the Crowbar bases should always be grounded, to prevent a charge from building up on them.	100%	Done 10/7/08
8817	Bernard Wisner (x4769)	B. Wisner, C. Bair, M. Dilday, Obie	Power Supplies/Shunts	The 20 amp D:QS716 shunt and/or its bias power supply, needs to be replaced, because its output current is limited to 2 amps.	100%	Scheduled for 10/8/08
8575	Bernie x4769	B. Wisner, C. Bair, Obie	Power Supplies/Shunts	Install three more high temperature 3/0 cables, from the main circuit breaker CB1, to contactor K1, inside A:LQ power supply. This will decrease the current through the existing cables, and decrease the temperature at the cable's co	100%	Done 10/7/08.
9063	David Peterson (x3073)	Vander Meulen, Peterson, others	RF	Connect ARF1 synthesizer to low level system for phase locking at beam pickup frequency.	100%	Done 10/7/08
9061	David Peterson (x3073)	Vander Meulen, Peterson, others	RF	The ARF1 low level racks in AP50 need changes to the air flow.	0%	Experts scheduled to look at this on 10/8/08
8865	David Peterson (x3073)	Peterson, Dilday	RF	Replace ARF4 VME crate. The 6-slot crate is back from repair. It needs to be swapped in to free up the borrowed 21-slot crate.	100%	Done 10/7/08. There was a problem with the repaired crate, so experts had to switch to yet another crate.

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9099	Peter Seifrid (x4699)	Seifrid/Mueller/Pasquinelli	Stochastic Cooling	Make Intermod Measurements on both of the 4-8 Ghz. Core Momentum TWT's.	100%	This job was delayed slightly due to the Pbar 95-deg LCW work at CUB.
9054	Peter Seifrid (x4699)	Seifrid/Mueller	Stochastic Cooling	Install Flow switch on the Neslab Chiller in AP 50	100%	Done 10/7/08
9053	Peter Seifrid (x4699)	Seifrid/Mueller	Stochastic Cooling	Install new Equalizer in each 4-8 Ghz. Vert. Betatron Systems.	100%	Done 10/6/08
8958	Peter Seifrid (x4699)	Seifrid/Mueller	Stochastic Cooling	Clean and check all the optical connection in the Debuncher Notch Filter.	100%	Done 10/7/08
8889	Peter Seifrid (x4699)	Seifrid/Mueller	Stochastic Cooling	Reconnect the control and readback cables to the Debuncher bypass notch filter trombone D:PBTMF	100%	Done 10/7/08
8640	Wesley Mueller (x4698)	Wes Mueller, Pete Seifrid, and water group personnel	Stochastic Cooling	Install vortex flow switch on main return line into chiller upstairs in AP50.	100%	Done 10/7/08
9060	Anthony Leveling (x4041)	Wisner	Target Hall Lens	A new cable needs to be pulled into the lower vault for the new collection lens module. The purpose of the additional cable is to stabilize the inner and outer eccentric resolver read backs. This work is not required to be done UNTIL the new collection	100%	Done 10/7/08
9048	Anthony Leveling (x4041)	Schultz, Kelly, LeBeau, Ford, RCT, Leveling	Target Hall Lens	Hipot collection Lens transformer. The 10 mm-5 transformer will have been in service for 3 weeks at the beginning of the SUMMER 2008 SHUTDOWN. Hipot the transformer to check its condition. Reservoir tank level dropped 5.25" since	100%	Tony Jobs 5.00.2 and 5.10: HiPot and Pressure Test
8905	Anthony Leveling (x4041)	Obie, Bernie, Leveling	Target Hall Lens	Collection Lens Power Supply: Several small jobs are necessary. 1. Replace the Burndy connector and cables which connect to the crowbar circuit; the hope is larger gauge wire may help to prevent further trouble with this circuit. 2. Remove	100%	Done
8891	Bernard Wisner (x4769)	B. Wisner, C. Bair, D. Peterson, Obie	Target Hall Lens	The Collection Lens, Bias power supply Interlock, is currently disabled. The jumper on the Interlock pc card, needs to be removed, and the Interlock circuitry needs to be checked out.	100%	Tony Job 9.00:
8984	Gary Lautenschlager (x8360)	S. Carrigan and one other qualified person	Target Hall Misc	Replace HEPA filter. The high efficiency filter will be replaced. After the filter is replaced, a filter integrity test should be performed. The "expert" is on vacation 10/8-9-10/08, so we would want to do this job 10/6 or 10/7.	100%	Done 10/7/08

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8896	Anthony Leveling (x4041)	Kelly, RCTs	Target Hall Misc	The target vault exhaust air filter (HEPA type filter) needs to be replaced during the summer shutdown. This job requires cooperation between the ES&H Department and MSD.	100%	Tony Job 10.00.2: Done 10/7/08
8850	Anthony Leveling (x4041)	Wisner, Schultz, LeBeau, Leveling	Target Hall Misc	The target SEM module signal wires have not been checked for continuity since the module was built. As part of the system checkout before installation of the new SEM, we need to ring out the target SEM module.	100%	Tony Job 1.00: Issue with connector. Scheduled for completion on 10/8
8845	Anthony Leveling (x4041)	Leveling, Kasugai, Matsuda	Target Hall Misc	A set of metallic foils is to be installed in the AP0 target vault during the October 2008 shutdown. Collaborators from T972 (both Japan and Fermilab) will install samples in the lower target vault, in the air gap, on the concrete s	25%	Tony Job 7.00: Foils on target done. Foils for air gap, penetration duct, and concrete cap to be done by 10/9
8805	Anthony Leveling (x4041)	Leveling, Kelly, Schultz	Target Hall Misc	A number of problems were identified when 10 mm-2 was removed from service on 8/14/08. Need photographs of clamp ring assemblies, transformer cooling water tubing, BeO block, and tie-rods.	100%	Tony Job 1.00 (after 7.00):
8844	Anthony Leveling (x4041)	Schultz, Kelly, LeBeau, Ford, RCT, Leveling	Target Hall Target	The pbar production target will be at the end of its life at the beginning of the October 6 shutdown. Remove target 9 (Hurr design) and install target 13 (LeBeau design).	100%	Tony Job 2.00: 10/7/2008
8764	Anthony Leveling (x4041)	Kelly, Schneider	Target Hall Target	Target blower/oil filter change. Oil and filter change are due again September 15, 2008	100%	Tony Job 6.00.1: Done 10/7/08
8579	Anthony Leveling (x4041)	LeBeau, Schneider, Wisner, Leveling	Target Hall Target	The present, local-only target air flow gage is to be replaced with a differential pressure flow gage/transducer that is to be connected to ACNET.	90%	Tony Job 6.00.3:
8240	Anthony Leveling (x4041)	Schultz, Kelly, LeBeau, Leveling	Target Hall Target	The target vault air pressure transducer response is falling due to radiation damage. Remove and replace target module air pressure transducer. This job can be done in conjunction with other necessary vault work.	100%	Tony Job 6.00.2: Done 10/7/08.
8950	Anthony Leveling (x4041)	Leveling, Kelly	Target Hall Water	Replace absorber flow turbine. The flow turbine for beam absorber water system filter bypass flow is oversized for the normal flow through it; this results in unstable, unreliable operation. Replace 1" flow turbine with 1/2" flow turbine.	100%	Tony Job 4.00:
8949	Anthony Leveling (x4041)	MSD, Leveling	Target Hall Water	Water cooled target planning. If time permits, we would like to begin installation of new set of cooling water lines in the AP0 water cage which are to run between the pulsed magnet water skid and the south vault penetration. The connection to the	50%	50% Planning Done Installation 10/8 or 10/9
8856	Anthony Leveling (x4041)	Leveling, Kelly	Target Hall Water	The collimator flow meter began to act erratically after the water skid was drained and refilled during recent pulsed magnet change out. Investigate cause of erratic behavior and correct. summer	100%	Tony Job 5.00.1:

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8701	Anthony Leveling (x4041)	Grumstrup, Leveling	Target Hall Water	A water cooled target design is being considered for the antiproton target station. An access is required to plan (tape measuring/thinking) for the plumbing installation for the water cooled target.	100%	Tony Job 10.00.1: Planning Done Installation 10/8 or 10/9
8654	Anthony Leveling (x4041)	Leveling, Kelly	Target Hall Water	The collection lens water system pump pressure head and flow are degrading probably due to normal wear/operation. A pump adjustment should be attempted. If this is not successful, replace the water pump. The adjustment can be attempt	100%	tony Job 3.00.1: Done 9/12/08
8372	Anthony Leveling (x4041)	Leveling, Kelly	Target Hall Water	Replace pressure transducer for D:LNWP3. Several hours of thermal cooling are required before isolating chill water system.	100%	Tony Job 3.00.2: Done 10/7/08
8047	Leveling x4041	Kelly, Leveling, Wisner	Target Hall Water	Lens Water System: Three vortex water flow meters are to be installed on the collection lens water system. These will replace the existing flow turbines. Three to four hours of lens/transformer cooling time is requested before shutting	100%	Tony Job 3.00.3: 10/7/2008
No Job #	Robert Slazyk (x2422)	Water tech's	Utilities	D4Q5 LCW Leak	100%	Replaced leaking Black 1/2" hose with Kynar
No Job #		Water tech's	Utilities	LCW leaks on A1S10	0%	Scheduled repair 10/8/08
No Job #		TD	Utilities	HV100 magnet #4 (PBR2) LCW leak to be fixed in place by Inpeng Somayovony	60%	Ceramic repaired and elbow replaced by Inpeng Samayavong. LCW has not been turned on yet and leads have not yet been checked.
No Job #	Robert Slazyk (x2422)	Water tech's	Utilities	LCW leak on IB1	100%	Sprayer on flare nut. Water techs had to rebuild the entire fitting.
No Job #	Robert Slazyk (x2422)	Water tech's	Utilities	A3S12 LCW Leak	0%	Scheduled repair 10/8/08
No Job #		Gusler	Utilities	BV728 air leak.	100%	Done 10/7/08. Experts cycled valve and the leak stopped.
No Job #	Robert Slazyk (x2422)	Water tech's	Utilities	LCW leak on D2Q5 black hose.	90%	Black hose replaced with Kynar hose. One piece of black hose remaining

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No Job #	Robert Slazyk (x2422)	Water tech's	Utilities	D4Q7 LCW Leak	100%	replaced 2 90 deg. elbows and adapter along with two 3/8" orange hoses
No Job #	Robert Slazyk (x2422)	Water tech's	Utilities	A5Q1 LCW Leak	100%	Changed leaky orange hose
No Job #	Robert Slazyk (x2422)	Water tech's	Utilities	D6Q6 LCW	100%	Replaced two Black hoses with two Kynar hoses
No Job #	Robert Slazyk (x2422)	Water tech's	Utilities	A6B9 LCW	100%	Replaced a black hose that was crimped and had a small leak with a Kynar hose
No Job #	Robert Slazyk (x2422)	Water tech's	Utilities	D50Q LCW	100%	Replaced a 1/4 inch black hose that was leaking at the fitting with a Kynar 1/4 inch hose.
9117	Brian Drendel (x6572)	Frank Rios and Jamie Clemmons	Utilities	Repair LCW leaks on hoses for A5Q1, D4Q5 and D4Q7. Entry made after repairs are done for documentation purposes.	100%	Done 10/6/08.
9111	Henry Gusler (x4436)	Gusler and Crabtree	Utilities	install new air line transducers to read back air pressure	80%	New transducers were installed, but one of the transducers was bad. Experts locating new transducer. Controls experts will need to modify CIA crate to accept these new readbacks.
9065	Robert Slazyk (x2422)	Water tech's	Utilities	Check flows/backflush A5Q1 and others	75%	Scheduled for 10/8 and 10/9
8932	Herb Wyeth (x3467)	Cedric Madison	Utilities	Commisioning P-Bar LCW Pumps I will need an hours time during the week I'd like to install the controller for Pbar's new pump control. If I can get an entire 8hour period. Questions please contact Cedric Madison. I would like to commission	50%	This work delayed due to issues at CUB. Experts failed to get the new system to work and will need more time.

