

NML Worklist - FY12 (Oct. 2011 - Sept. 2012)

12/12/11

<u>Completed</u>	<u>Task Description</u>	<u>Milestone/ Date Completed</u>	<u>Responsible Person</u>
	Complete Tunnel Expansion		
-	Sealcoat floor	12/11	Jerry
-	Outfit tunnel (electrical, LCW piping, cable tray, lighting etc.)		Jerry/Kermit
	Electrical Service Building		
✓	Install MarvAir HVAC unit	12/11	FESS
✓	Install sprinkler system	12/11	FESS
✓	Build laser lab	12/11	Jerry/Jaimie/FESS
-	Procure and install racks, tray, etc.		Kermit
	Install LCW to ESB		Yurick/Kermit
	Electrical Utility Upgrade		
-	Re-distribute all power in NML to new switchboards	4/11/11-	Kermit
	High Energy Beam Dump		
✓	Install absorbers and dump	7/12/11-12/5/11	Curtis/Craig
-	Design & procure RAW water system		Yurick
-	Install RAW water system & Piping		Yurick
-	Design and fabricate vacuum windows		Curtis
	CMTF Building		
✓	Take Beneficial Occupany	12/11	B.M.
-	Complete construction	1/12	B.M.
✓	Procure vacuum cleanroom and award contract	11/11	Lucy/Jerry
	Install vacuum cleanroom		FESS
-	Specify and procure equipment for cleanroom (parts washer, ultrasonic tanks, etc.)		Lucy/Ron
-	Install SLAC (CTI 4000) Refrigerator	3/11	Arkadiy
	Install TEV compressors		Arkadiy
	Install ICW water piping to compressors		Arkadiy
	Design and install concrete pad for PXIE		Jerry/FESS
	Begin installation of PXIE cave		Jerry
	Design building structure for PXIE		Jerry/FESS
	Electron Gun		
-	Test gun windows	2/10/11-	Ding/Dave
-	Install window on gun		Ding/Dave
-	Water and electrical for gun cavity and solenoids		Kermit/Yurick
-	Assemble gun cavity and solenoids		Rich
-	Install gun 5MW RF system		John Reid
	Commission gun		Mike Church
	Injector Laser Lab		
✓	Complete Construction of Laser Lab Room	11/11	FESS
-	Install electrical distribution		Kermit
-	Procure and Install support tables		Jaimie/Jerry
-	Install laser pipe to gun		Ron
	Install interlock system		ES&H
	Install and commission laser system		Jaimie/Jin Hao
	Low Energy Beamline (Injector)		
-	Procure instrumentation needed for commissioning		Manfred
-	Build magnet power supplies		Kermit/George K./Steve Hayes
-	Design gun absorber, L.E. dump, RAW system		Curtis/Yurick
-	Procure all vacuum equipment for Injector, including fast valves		Lucy
-	Design and build support stands for instrumentation, magnets, etc.		????
	Installation of injector (beam tubes, magnets, vacuum, instrument)		Jerry/Lucy/Ron
	CC1		
-	Remove from A0 & transport to MP9		Elvin/Mike McGee
	Rebuild (new cavity, tuner, and stand?)		Elvin/Tug/Ken
	Install CC1 RF system		John Reid
	Install CC1 at NML		Jerry/Ron

	Cooldown CC1 Commission CC1		Arkadiy Elvin
	CC2		
-	Operate and carry out studies with CC2		Elvin/Yuriy
	CM1		
No	Add additional pumping to CM1 insulating vac. (3rd station) when CM is warm		Lucy/Arkadiy/Ron
-	Long Pulse tests of CM1		Elvin/Brian/John
-	Complete CM1 insulating gate valve interlock system		Kermit/Cryo/Ron
-	Complete Commissioning plan of CM1		Elvin
-	Commissioning and studies of all support systems (Cryo, LLRF, Controls, etc.)		All
	Thermal Cycle CM1	1/12	Elvin/Cryo
	Test CM1 couplers cold ??		Elvin/TD
	Fire TSP's on warm coupler vacuum		
	Turn off insulating vac. turbo pumps and monitor vac.		
	Rebuild Vac. cart with mass-flow controller		
	Swap CM1 with CM2		Jerry
	Change out isolator on 5MW RF system		
	CM2		
	Install CM2 (refer to detailed plan for CM installation)		Jerry
	Warm Conditioning		Elvin
	Cooldown		Cryo
	Cold Conditioning		Elvin
	Full Operation		Elvin
	High Energy Beamlines		
-	Procure instrumentation needed for commissioning		Manfred
-	Build magnet power supplies		Kermit/George K./Steve Hayes
-	Procure all vacuum equipment for Test Beamline		Lucy
	Design and build support stands for instrumentation, magnets, etc.		????
	Installation of Test Beamline (beamtubes, magnets, vacuum, instrument)		Jerry/Lucy/Ron
	Auxillary Systems		
-	Install gun and CC1 LCW piping		Yurick
	Install LCW piping in new tunnel extension		Yurick
	Install 3rd LCW pump??		Yurick/Craig
✓	Order new compressed air system		Yurick
	Swap out compressed air system		Yurick
	Bring Frick Compressor on-line		Cryo
	General/Misc.		
✓	Resolve Televac vacuum controller problems or find alternative		Ron/Lucy/Kermit
✓	Paint North end of NML high bay and new electrical/SB room		Jerry
✓	Install TV cameras and monitors in cave		Kermit/Wayne
-	Procure and install new building chiller-A/C system		FESS
	Install new sink and drain in lower level of NML		
	Procure shield blocks needed to complete NML cave		Jerry
-	Design and begin fabrication? Of HOM absorbers for CM (warm and cold)		Curtis/Oleg
-	Complete Rad. analysis of cave design and shielding assessment		Mike Church
-	Continue development of MPS (loss monitors)		Arden
	Build cave extension		Jerry
	New interlock gates, fencing, etc. for cave extension		Jerry/Craig
	Re-model/paint bathrooms at NML		Jerry
	Add bathrooms to 2nd floor of NML??		Jerry/FESS
	Design & install climate controlled rack room on Laser Deck??		Jerry/FESS
	Install ESB Laser Lab HVAC System??		FESS