

**Work affecting beam-lines during the Aug. – Sept. Maintenance Period  
(8-27-03 through 9-26-03)  
(Preliminary as of 8-18-03)**

**Switch gear maintenance X2 - Saturday – Sept. 6, 2003**

LOM 432 and Sectors 4, 5, 6, & 7

Power will be off from approximately 6 am to 6 pm. This will also cause e-power bump at ~ 06:30 and at ~17:30

This affects cryo-pumps connected to e-power.

EFOG will contact beam-line personnel and establish some 120 V power to their area for necessary items.

**Switch gear maintenance X3 - Saturday – Sept. 13, 2003**

LOM 433 and Sectors 8, 9, 10, & 11

Power will be off from approximately 6 am to 6 pm. This will also cause e-power bump at ~ 06:30 and at ~17:30

This affects cryo-pumps connected to e-power.

EFOG will contact beam-line personnel and establish some 120 V power to their area for necessary items.

**Emergency Power Transfer Switch testing – Saturday – Sept 6, 2003**

Emergency power will be interrupted twice (15 sec for switch over and then 5 sec. to restore).

Tests affecting Sector 33 & 35 e-power to cryo-pump at ~ 07:00 to 07:30 & LOM 438

Tests affecting Sector 1 e-power to cryo-pump at ~ 07:30 to 08:00 & LOM 431

Tests affecting Sector 9, 10, & 11 e-power to cryo-pump at ~ 08:30 to 09:00

Tests affecting Sector 12, & 13 e-power to cryo-pump at ~ 09:30 to 10:00

Tests affecting Sector 17, 18, & 19 e-power to cryo-pump at ~ 10:30 to 11:00

Tests affecting Sector 20, & 22 e-power to cryo-pump at ~ 11:30 to 12:00

*NOTE: these are approximate dates!!*

**Survey & Alignment work**

Start date: 9/17/2003 - Sector 14-BM – check the alignment of the beamline components for 14BM.

**PSS work**

Start date:

8/27/2003 – Sector 19-ID – move 19-ID station D pneumatic door box farther away from the door

8/27/2003 – Sector 2-ID – upgrade 2-ID station door locks and led indication

8/28/2003 – Sector 7-ID – pull out four unused love controllers from the PSS DIW chassis

8/27/2003 – Sectors 8-35 – pulizzi plug-in configuration change: a) in sectors 8-35, unplug pulizzi power controllers located in the PSS racks from the UPS's and plug them into the blue receptacles powered by the central UPS; b) follow the PSS Task workflow checklist to clear all faults; c) notify Roy Emerson about the power cyclings that took place.

8/27/2003 – Sectors 1-ID & 2-ID – pull out obsolete PSS DIW cables.

8/27/2003 – Sectors 3-ID – ground 2 PSS control panels (upper 15U's), for stations A/B and D.

8/27/2003 – Sector 2-ID – ground 4 PSS control panels (upper 15U's), for stations A, B, D & E.

8/27/2003 – Sector 23-ID – FE shutter work; disconnect PSS components from PS2 and safety shutters on 8/27/2003, reinstall PSS switch assemblies when PS2, SS1 and SS2 are ready (~9/10/03), calibrate PSS switches and shutter motion, and validate PSS wiring and controls.

8/26/2003 – Sector 4-ID – BLEPS work; reroute field device cables to the new rack #2 location and terminate. Move Panel View #2 (PV2) to its new location. Pull the 'blue hose' communication cable from rack #1 to the remote I/O adapter in rack #2, then to PV2. Perform test procedures.

**PSS re-validation schedule:**

8/27-28	10ID
8/27-29	2ID
8/27-29	4ID
9/3-5	5BM
9/3-5	6ID
9/8-10	8ID
9/8-10	9BM
9/15-17	12ID
9/15-17	34ID
9/22-24	35ID
9/22-23	35BM

**Work on the low temperature hot water lines.**

This work will begin on August 27<sup>th</sup> and continue through September 26<sup>th</sup>. The area at column 98 will be drained on August 27<sup>th</sup> where a gasket needs to be replaced or repaired. This should take only one or two days. This will affect LOM 433 and the experimental hall floor in that area. The affect will be loss of heating, so we may experience some cool temperatures if the weather does not cooperate. As soon as this repair is made, heat will be restored. Insulation of piping will begin no sooner than August 27<sup>th</sup>. A schedule of areas will be given next week. The work will require moving apparatus on the floor so that workers can access the pipe joints. EFOG will work with beam-line personnel to move (as required) and protect apparatus on the floor. Schedule of re-insulating is forth coming.

The tentative schedule for re-insulation is:

Sectors 1,2,3,4 will be worked on during the period of Aug. 27<sup>th</sup> to Sept. 5<sup>th</sup> Working clockwise starting at sector 1

Sectors 35,34,33,32 will be worked on during the period of Aug. 27<sup>th</sup> to Sept. 5<sup>th</sup> Working counter clockwise starting at sector 35

Sectors 5,6,7,8, will be worked on during the period of Sept. 8<sup>th</sup> to Sept. 12<sup>th</sup> Working clockwise starting at sector 5

Sectors 23,22,21,20, will be worked on during the period of Sept. 8<sup>th</sup> to Sept. 12<sup>th</sup> Working counter clockwise starting at sector 23

Sectors 9,10,11,12 will be worked on during the period Sept. 15<sup>th</sup> to Sept. 19<sup>th</sup> Working clockwise starting at sector 9

Sectors 19,18,17,16 will be worked on during the period Sept. 15<sup>th</sup> to Sept. 19<sup>th</sup> Working counter clockwise starting at sector 19

Sectors 13,14,15 will be worked on during the period Sept. 22<sup>th</sup> to Sept. 26<sup>th</sup> Working clockwise starting at sector 13