

# Status of Hall A During a power outage

Approximately 15 minutes of emergency lighting will let you walk around this big dark hole long enough to find your way out. All vacuum valves are powered closed. All magnet power supplies are designed to dump in a safe, self regulated manor.

# Status of Hall A after a power outage

All vacuum valves are powered closed until given a signal to do otherwise. Magnet power supplies turn on but are output inhibited until they are reset. The power restoration checklist will insure that all pumps are in the proper configuration.

# Hall A power restoration checklist

Revised 10/28/09

People checking list \_\_\_\_\_

## *Cryo Target*

- \_\_\_ **NOTE : LOOK FOR "RADIATION AREA" SIGN and OBEY**
- \_\_\_ note chamber vacuum \_\_\_\_\_
- \_\_\_ if less than 500 mtorr proceed, if not, complete  
    **Cryo Target pre run checklist** after this checklist.
- \_\_\_ backing pump on
- \_\_\_ turbos on
- \_\_\_ when turbo is up to speed open turbo valves at control rack.
- \_\_\_ monitor chamber vacuum

## *Polarized 3He Target*

- \_\_\_ **NOTE : LOOK FOR "RADIATION AREA" SIGN and OBEY**
- \_\_\_ turn off heaters, Helium and oven air

## *Waterfall Target*

- \_\_\_ **NOTE : LOOK FOR "RADIATION AREA" SIGN and OBEY**
- \_\_\_ note chamber vacuum \_\_\_\_\_
- \_\_\_ if less than 500 mtorr proceed, if not, complete  
    **waterfall Target pre run checklist** after this checklist.
- \_\_\_ backing pump on
- \_\_\_ turbos on
- \_\_\_ when turbo is up to speed open turbo valves at control rack.
- \_\_\_ monitor chamber vacuum

### ***Spectrometers***

\_\_\_ **NOTE : LOOK FOR “RADIATION AREA” SIGN and OBEY**

- \_\_\_ ensure that backing pump is on running on right dipole.
- \_\_\_ ensure that turbo pump is on running on right dipole.
- \_\_\_ open automatic closing valve.
  
- \_\_\_ ensure that backing pump is on running on right transfer line.
- \_\_\_ open automatic closing valve.
  
- \_\_\_ complete **pre run checklist** after this checklist.

### ***Entrance beam tube***

\_\_\_ **NOTE : LOOK FOR “RADIATION AREA” SIGN and OBEY**

- \_\_\_ turn on E P backing pump
- \_\_\_ open backing pump isolation valve
- \_\_\_ turn on E P turbo
- \_\_\_ ensure that beam line is at least  $5 \times 10^{-5}$
- \_\_\_ turn on Moeller backing pump
- \_\_\_ open backing pump isolation valve
- \_\_\_ turn on Moeller turbo
- \_\_\_ when turbo is up to speed ensure that beam line is at least  $5 \times 10^{-5}$

### ***Exit beam tube***

\_\_\_ **NOTE : LOOK FOR “RADIATION AREA” SIGN and OBEY**

- \_\_\_ turn on exit beam tube backing pump
- \_\_\_ open backing pump isolation valve
- \_\_\_ turn on exit beam tube turbo
- \_\_\_ when turbo is up to speed ensure that beam line is at least  $1 \times 10^{-4}$

### ***Hall***

\_\_\_ **NOTE : LOOK FOR “RADIATION AREA” SIGN and OBEY**

- \_\_\_ Inspect power supply platforms, spectrometers, and the rest of the Hall, looking for water leaks and cryogenic plumes or any other abnormalities.
  
- \_\_\_ **complete pre run checklist for the target that is installed**