

Hazards associated with operating the gas system and how to mitigate them:

Do not enter the gas shack if the rotating red light at the entrance is on. This warns of an oxygen deficiency.

In General the Gas Mixing shack can be a hazardous place – BE AWARE OF YOUR ENVIRONMENT..

There are hazardous gas detectors that will cut off any gas flow at 10% of the lower explosive limit and oxygen deficiency monitors that will alarm if there is a less than 19% oxygen level.

There is a marked step up both on to the gas pad and into the gas shack.

Be aware. It easy to trip while making a step into empty space when coming out of either one.

Transition from Rest (Helium) to Rest (Atmospheric pressure) and back.

Name: _____

Date: _____ Time: _____

- Notify people in the control room that a DCH gas alarm is imminent (about 45 minutes).
- Check that the gas system is in Rest mode.
- Turn off VVM-34 (front of rack 06).
- Acknowledge the DCH gas alarm on the Betalarm panel in the control room.
- Wait ~2 hours (leak rate is ~ 3mbar/hr) for DCH pressure to reach 0.

To return to Rest mode:

- Open VVM-34
- Wait until DCH pressure is above the alarm level (2mbar)
- Switch to Rest mode.