SOP Guidelines

CHANGING GAS CYLINDERS

1) Requirements for use

You must be trained by John Mansfield (936-3352) or Kai Sun (936-3353) or Haiping Sun (936-3338) before you may handle any gas cylinders.

2) Hazards/Safety precautions

Gas in these cylinders is under pressure. Handle with care.

Transport cylinders on the cylinder cart in the Ancillary Equipment Room (Rm. 430). Secure with chain.

All cylinders must be chained to the wall.

Cylinders not in use must be capped.

3) Standard Operating Procedure

1. Turn cylinder valve off by turning it fully counterclockwise.

2. Turn regulator valve (going from the cylinder to the machine) off.

3. Disconnect cylinder from hose leading from cylinder to machine.

4. Chain new cylinder to wall.

5. Attach new cylinder to hose, being careful to screw it in properly and tightly to ensure seal has been made.

6. Open cylinder valve by turning the knob clockwise.

7. Once pressure registers on the high side, open the regulator valve, allowing gas to the machine.
4) EMERGENCY SHUTDOWN

   Close valve to stop release of gas.