

LIGO HANFORD VACUUM SYSTEM

Hanford Checklist - Vent Isolatable Volumes

This checklist provides instructions for venting an isolatable volume when necessary to perform required servicing, maintenance, repair or modification of a portion of the vacuum system.

NOTE: A Site Work Permit is required **before** this activity can take place. Only trained personnel are authorized to perform this task.

Procedure:

- 1. Ensure that the Large Gate valves are locked out in CLOSED position. _____
- 2. Isolate Turbo and Rough Pumps. _____
- 3. Isolate the Main Ion pumps. _____
- 4. Turn Gauges off, RGA off and isolated them. _____
- 5. **Ensure that the RELIEF VALVE is IN PLACE AND OPEN.** _____
- 6. Ensure that the Vent line is purging. _____
- 7. **Ensure that the optics suspension HV power is OFF.** _____
- 8. Open the vent valve and monitor pressure until 1 atm. is reached _____
- 9. Reduce the flow until a door is removed. _____

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