



CMS @ Lab-C CO₂ MONITORING SYSTEM TEST PROCEDURE

OVERVIEW:

This Procedure covers testing of the CO₂ monitoring system after installation and for future tests that may be required. This test will check that the heads when sensing an oxygen deficiency will place the system in alarm, the appropriate horns and strobe lights will be activated and a FIRUS message will be sent to the communications center.

PREPARATION :

The test should be conducted when the minimum amount of personnel are working in the area to reduce disruptive effect of blaring sirens and flashing strobes. A team of two people shall review these procedures before conducting the test. The test coordinator keeps the master record of the test.

PROCEDURE:

Call the communications center (x3414) and notify the operator that a test of the CMS CO₂ monitoring system at Lab C will be conducted and that you will need a printout of the FIRUS alarms they will receive during the test.

Call the Main Control Room(MCR) (x3721) and notify the operator that a test of CMS CO₂ monitoring system at Lab C will be conducted and they may receive FIRUS alarms during the test.

FIRUS TAG NAMES:

- 06.LABC_CO2TBL - Cleanroom and hallway trouble alarms.
- 06.LABC_CO2HLWY – Hallway CO₂ alarm.
- 06.LABC_CO2CLRM – Cleanroom CO₂ Alarm.

TEST LAB C WEST HALLWAY CO₂ HEAD

- Horn/Strobe activated in HALLWAY
- Lab C west Aisle Ventilation Fan shall Start and Run at 0.5%
- FIRUS system received message. TIME: 15:25, confirmed by John Purdue x3414
- CO₂ Monitor display is correct >1.5%

TEST LAB C SOUTH CLEAN ROOM CO₂ HEAD

- Horn/Strobe activated in South clean room
- FIRUS system received message. TIME: 15:28, confirmed by John Purdue x3414
- ODH chassis display is correct >1.5%

TEST ODH TROUBLE

- Disconnect DC fuse in CO₂ Monitor Control Box
- FIRUS system received message. TIME 15:30, confirmed by John Purdue x3414

AFTER TEST IS COMPLETED:

- Check that the ODH system is reset and ready to return to normal operation.
- Call the communications center (x3414) and notify the operator the test of the LAPD at PC4 ODH system has been completed and to respond to any further alarms. Pick up a copy of the FIRUS alarm printout from the communications center and record the times in the master test.
- Call the Main Control Room(MCR) (x3721) and notify the operator the test of the LAPD at PC4 ODH system has been completed and to respond to any further alarms.

SUPERVISOR OF TEST: Erik Voirin DATE: Aug 4, 2011

WITNESS: Matthew Alvarez DATE: Aug 4, 2011

Results:

06.LABC_CO2TBL - Cleanroom and hallway trouble alarms. **Pass**
06.LABC_CO2HLWY – Hallway CO2 alarm. **Pass**
06.LABC_CO2CLRM – Cleanroom CO2 Alarm. **Pass**