


**UNIVERSITY OF TOLEDO
FACILITIES AND CONSTRUCTION**

Section:	Central Control	Procedure Number:	CC-04
Subject:	Operating Room Relative Humidity Settings	Effective Date:	January 1980
		Revised Date:	August 2016
Facilities Officer:		Reviewed Date:	December 2019

Operating Room Relative Humidity Monitoring & Management

The relative humidity of the air supplied to all operating rooms will be monitored. The Operating Room will be notified should the relative humidity of the supplied air be outside of the specified range. The Facilities Department will take remedial actions as necessary.

Purpose

To ensure that operating room air relative humidity is maintained in accordance with recommended standards in the interest of patient safety with respect to both fire safety and infection control.

Procedure

1. The relative humidity of supplied air at operating rooms will be continuously monitored via the Building Automation Systems.
2. * The Central Control operator will immediately notify the Operating Room (ext. 3900) should the air supplied to the operating rooms be below 20% relative humidity (RH) or above 60% relative humidity (RH). A Central Control Problem Report will be prepared describing the actions taken.

NOTE: The objective is to maintain operating room relative humidity between 20% RH and 60% RH.

3. * Central Control operator will notify the Operating Room (ext. 3900) when corrections are successful and humidity is back within the 20% RH and 60% RH standard. An entry shall be made in the Central Control problem report describing the actions taken.
4. Any deviations of relative humidity outside of the range of 20% RH to 60% RH will be recorded and reported to the Infection Control Committee and Health and Safety Committee by the University of Toledo Facilities and Biomedical Technology Officer at least quarterly.
5. Documentation will be maintained to show compliance with maintaining humidity in ORs above 20% RH and below 60% RH.
6. Quarterly preventive maintenance task will be performed to compare Building Automation System relative humidity readings to actual field readings to ensure system accuracy. Any deviation will require corrective Work Order to be generated and expressly documented in the "Planned Event" completion closeout report.

*** Procedure for steps 2, 3 requires an entry in the engineer's Log Book**

Reference Humidity in the Operating Rooms Policy No. 3364-100-50-45