**UM System AHJ Code Determination**

Code Determination Number: 07

Date: August 5, 2021

Subject: Code adherence for work and operations within existing

University laboratories

Code Edition: 2018 IBC, 2018 IFC, 2017 NFPA 70, 2015 NFPA 45, and others

Code Section(s): Various

**Questions (from Inspectors and other Campus staff):**

1. Is lab equipment required to be UL listed?
2. What restrictions are there for lab technicians wiring up equipment? Does that need a permit? Does that require engineered drawings?
3. In general, what scopes of work can a lab technician perform?
4. What is required to change the type or quantity of chemicals, flammable liquids, or gases in a lab?
5. Can installed chilled or heating water piping be tapped into and used for experimental purposes?

**Answer (from UM System AHJ):**

**Please refer to the new “Section H.” in the University of Missouri, List of Work Exempt from Permit Requirements document.**

[**Permit Exemptions List**](https://collaborate.umsystem.edu/sites/fpd/public/docs/Permit%20Exemptions%20List.pdf)

**This new section provides:**

1. **Examples of work that are allowed in existing laboratory spaces by qualified lab technicians, skilled tradesman, and electricians, and also lists work that will require a permit.**
2. **Information regarding: equipment and appliance listings, temporary wiring, potable water connections, chilled or heating water taps, chemicals/gases, and other subjects are also included in this section.**

**Consult with your EH&S representative or the Building Inspector if you have any questions or need further clarification.**

NOTE: any new laboratory construction or laboratory renovations will require a permit and full professional design.