

Hall C Safety

January 2025 Winter Hall C Collaboration Meeting

Review of Safety Policies and Practices

Jan 2024

The logo for Jefferson Lab, featuring a stylized red and black graphic above the text "Jefferson Lab".



U.S. DEPARTMENT OF
ENERGY

Office of
Science



Reminder to Users

Reminder to Users who are badge holders to take the new GEN034:
Deadline is 01/31/2025

The revised Annual Security Awareness Training GEN034 for 2025 was published on the Lab's web-based training library. Users who are badge holders must complete the new 2025 version prior to COB on January 31, 2025. If the training is not completed by that time, all badge access will be revoked until required training has been successfully completed.

Working in the Hall C

Due to the dynamic nature of the Experimental Halls no one should enter them unless they have purposeful work to do and have received approval and instruction regarding appropriate timing and activities from the area Work Coordinator or their designee.

To work in Hall, need to have training

- ES&H Orientation (SAF 100)
 - Hall Safety Awareness Walk-Through for Hall C - SAF112
 - Arrange by contacted Joe Beafait (beaufait@jlab.org) or Dave Gaskell (gaskell@jlab.org)
 - Current Radiation Worker Training (Rad worker I) and radiation dosimeter issued by Jlab
 - Oxygen Deficiency Training (SAF103)
 - General Access Radiation Work Permit (SAF801kd).
-
- Minimum clothing requirements: long pants, short sleeve shirt, closed-toed serviceable shoes

Possible extra training

- Before using a ladder at Jefferson Lab, you are required to take Ladder Safety Training (SAF307). If your task requires you to work from a ladder in a position other than between the ladder rails, you may be required to take the Fall Protection classes and are required to wear a safety harness.
- If you have never had a class on the hazards of lead, that alone is enough reason to take the lead class. If you have taken a class on the hazards of lead you will want to learn what is required to handle it here at JLab. Before you handle any lead, be it in the form of bricks, sheets, pellets, or solder you must take Lead Worker Safety Training (SAF136).
- If you are going to do more to a piece of electronic equipment than plug it into a receptacle, you are required to take Electrical Safety Training (ESC001). It is required to make a hazard assessment of the electrical equipment you are working on and to evaluate the requirements for locking out a piece of equipment before working on it.
- It is required to make a hazard assessment of the electrical equipment you are working on and to evaluate the requirements for locking out a piece of equipment before working on it. To be qualified to work on any equipment that has been energized in any way, be it electrical, hydraulic, or mechanical you must be Lock and Tag trained (ESC007 and EVL001). Need to become a Qualified Electrical Worker.

electronic Permit and Administration System, ePAS

- The goal for ePAS is to provide a single lab-wide process for task hazard assessment and hazard mitigation, accessible through existing work planning platforms, for activities associated with the maintenance and operation of Jefferson Lab.
- The ePAS creates a Permit To Work and is the Work Control Document (WCD).
- Still use HCList to plan and communicate work. One can link ePAS to the HCList.
- Users can get ePAS000 and ePAS001 training
- ePAS includes hazard analysis, procedures and Worker signature sheet.
- Setups outside the hall it would be good to have Users write ePAS for those setups so that they are the Recipient in Charge. RIC needs to be sure that Workers have read the WCD and have a walk through of the system.

Undergrad students

- Need to take SAF100, GEN034 and SAF099 course before arriving on site.
 - SAF099 cannot be taken online. Usually zoom. Please contact saf099@jlab.org to schedule this training.
- No high school student may work outside regular working hours.
- No one under 18 (student or otherwise) may work in any Hall.
- Undergraduates working outside regular working hours must be pre-approved by the DSO.
- During their first three months working in conjunction with JLab or user staff, undergraduate students 18 and over may be allowed to work in the halls (following all standard rules as outlined in the Hall Conduct of Operations (COO), the Hall Radiation Work Permit (RWP) and more generally, the JLab ES&H manual) with the provisions that:
 - a) They have completed the FULL complement of standard training courses (ES&H awareness (SAF100), ODH (SAF103), Rad Worker I (SAF801), Hall specific hazard awareness training and have signed the “COO”) and any additional training that may be deemed necessary for the assigned task;
 - b) Their work in the hall is always under the supervision of a hall-authorized “buddy”, with the only non-standard condition that the buddy is NOT another undergraduate;
 - c) One of the following is true:
 - i) A permanent JLab staff member has supervisory responsibility for their work, is cognizant of the work to be done, and approves the “buddy,” or
 - ii) A fully trained user is their supervisor for the purposes of their work at JLab, is cognizant of the work to be done and approves the “buddy.”
- At the end of the 3-month “trial period”, undergraduate students 18 and older who have demonstrated to the satisfaction of a JLab staff member that they are responsible and safety conscious shall be permitted to work in the halls under the same guidelines that apply to other users.