

## Working Alone FAQs

### **What is a “mitigated hazard?”**

It is the hazard that remains after taking into account the controls used to prevent the hazard from causing an accident.

### **Why is this policy necessary?**

#### **Don't we already do hazard analysis and mitigation?**

Yes we do, and it is anticipated that very few activities will fall under this policy that are not already covered by a working alone policy. In many cases, our current integrated safety management (ISM) practices include controls that prohibit working alone for such activities as working in a machine shop or many types of live electrical work. However, LBNL does not have an overarching working alone policy.

In addition, while controls prevent exposure to hazards under normal circumstances, the required controls do not necessarily prevent exposure to the hazard in an accident. For example, a second worker is required for many kinds of live electrical work even though electricians wear PPE to mitigate the hazards associated with their work. In another example, the minimum PPE required to work with corrosive materials (lab coat, gloves, and safety glasses) do not prevent a splash into the eyes since material splashed onto the face could run into the eyes. Using this PPE alone, working with corrosive materials should not be done alone. However, if unvented goggles were used instead of safety glasses or the activity were conducted behind a fume hood sash, corrosive material could not be splashed into the eyes and working alone would be acceptable.

### **What do I have to do to meet this requirement?**

- 1) Your division must update its ISM plan to define how the requirement will be met.
- 2) This usually means analyzing the hazards in the safe work authorizations (e.g., AHDs, BUAs, RWAs) and adding a sentence or two stating whether or not particular activities in the authorization may be performed alone. For example, if the AHD covers working with pyrophoric materials, which spontaneously ignite upon exposure to air, it might contain a sentence saying that pyrophoric materials may be handled alone if they are used in an inert atmosphere glove box, but a second person must be present if they are used in a fume hood.

### **What does “caught on fire” mean?**

#### **Can I work with a Bunsen burner?**

“Caught on fire” means being splashed with burning solvent such that the event would be incapacitating. Working alone with a Bunsen burner, hand torch, or similar device should be fine, especially if you are wearing cotton or fire retardant (not polyester) PPE.

### **Does this invalidate the Good Samaritan Law?**

Unlikely. It should be noted that the primary role of the “second” person is contact emergency services (7911).

### **What about locked rooms, especially rooms without windows?**

Simply working in a room with a locked door and no window is not incapacitating. If the worker were performing an activity that could be incapacitating in such a room, then the working alone policy would apply.

### **What about undergraduates and affiliates?**

Although this seems like a "working alone" issue in that many believe that undergraduates and affiliates should not be working alone, this is a somewhat different issue. The potential problem with undergraduates and affiliates is that they may not be sufficiently proficient to be working unsupervised. Rather than stating that undergraduates and affiliates may not work alone, it makes more sense to make sure that all LBNL employees and affiliates are proficient at an activity before they can work unsupervised. Note that proficiency includes knowing what to do in an accident. This issue will be addressed by the upcoming Work Planning and Control project rather than the working alone policy.

### **What about slips, trips, and falls?**

These were not considered for two reasons. First, falls from under 6' are not considered incapacitating; even if you fall, you can activate emergency services using a cell phone. Second, these are hazards generally encountered and accepted by the general public rather than hazards due to a particular activity.

### **What about medial emergencies such as heart attacks?**

While these can be incapacitating, they are generally not hazards associated with work activities, the primary exception being heatstroke. Also, as with slips, trips, and falls, these are hazards generally encountered and accepted by the general public.

### **What about driving?**

This is a great question since traffic accidents can certainly be incapacitating. As with slips, trips, and falls these are hazards generally encountered and accepted by the general public.