

# AREA HAZARD ANALYSIS WORK FORM

**Title:** General Building Areas

**Location (Bldg & Rm)** Building 131

**Instructions:**

An Area Hazard Analysis (AHA) is a process that is used to evaluate a work area to 1) determine the hazards that may be present 2) determine appropriate controls for these hazards and 3) provide a mechanism to communicate these hazards to someone entering the area. The AHA covers the facility and equipment within the facility. It does not cover specific jobs/tasks that may be performed in the area. Job/task specific hazards and controls are covered by the JHAM process.

The AHA should be done by the area manager, in cooperation with the Building Manager. An AHA should be done once for all working areas and whenever there is a change in to the facility or regulations or the introduction of new equipment or new hazard.

Complete instructions and supporting information is available at [https://www-internal.slac.stanford.edu/esh/SLACsafety/jham/aha\\_instruction.htm](https://www-internal.slac.stanford.edu/esh/SLACsafety/jham/aha_instruction.htm). Enter information into boxes which will expand to accommodate whatever length of text is entered. Once this AHA is complete, the area responsible person signs.

Processes / Equipment in Area	Hazards	Recommended Controls & Actions
Work on electrical panels or HVAC	<ul style="list-style-type: none"> <li>• Shut off of critical systems</li> <li>• Shock, falls, physical injuries</li> </ul>	<ul style="list-style-type: none"> <li>• Building manager must be informed before any AC power or HVAC maintenance work is performed.</li> </ul>
Mezzanine, and kitchen areas	<ul style="list-style-type: none"> <li>• Earthquake</li> <li>• Fire</li> <li>• Use of stairs: trips, falls</li> <li>• Doors opening into walkways</li> <li>• Shock hazards (office and kitchen equipment)</li> <li>• Radiation when entering experimental floor</li> <li>• Burns and cuts in the kitchen</li> </ul>	<ul style="list-style-type: none"> <li>• Read facility emergency plan, note fire alarms, building exits and emergency egress routes.</li> <li>• Remove or report any obstructions of exits or unbraced furniture to Facilities.</li> <li>• Report broken floor tiles to facilities.</li> <li>• Use care when opening doors and when walking by doors that could open into your path.</li> <li>• Use handrails when using stairs, do not hurry, wipe up spills.</li> <li>• Ensure electrical cords and connectors are in good condition and properly connected to rated power source.</li> <li>• Follow all procedures communicated in GERT training and obey posted radiation area signs.</li> <li>• Exercise care when using hot surfaces and knives in the kitchen.</li> </ul>
Beam Line and user set up areas	<ul style="list-style-type: none"> <li>• See Beam Line AHA</li> </ul>	<ul style="list-style-type: none"> <li>• See Beam Line AHA</li> </ul>
Building roof & electrical sub-station	<ul style="list-style-type: none"> <li>○ Fall injuries.</li> </ul>	<ul style="list-style-type: none"> <li>○ Entering roof area requires authorization from building manager. Wear fall protections equipment when working within 6' of building edge.</li> </ul>

	<ul style="list-style-type: none"> <li>○ Tripping hazards</li> <li>○ Electrical hazards.</li> <li>○ Mechanical hazards</li> </ul>	<ul style="list-style-type: none"> <li>○ Aware of surroundings.</li> <li>○ All electrical work to be performed by trained electricians</li> <li>○ Only trained HVAC personnel to perform HVAC &amp; Blower maintenance.</li> </ul>
Experimental Floor	<ul style="list-style-type: none"> <li>● Oxygen deficiency from failure of LN distribution system</li> <li>● Liquid nitrogen (LN) spill from failure of overhead LN distribution system</li> </ul>	<ul style="list-style-type: none"> <li>● Evacuate buildings if fire alarm sounds (buildings are protected by oxygen deficiency hazard (ODH) monitors tied into the fire alarm).</li> <li>● If LN is seen leaking from the overhead LN distribution system piping, do not enter the area and contact the duty operator or security (during downtime).</li> <li>● Escorted visitors: read the oxygen deficiency orientation written on the ODH notices on entryways to the experimental floor.</li> <li>● Staff working on the experimental floor: read and sign the ODH training document (obtain from the SSRL user office or SSRL Safety Coordinator).</li> </ul>
Walkways, materials storage and receiving areas	<ul style="list-style-type: none"> <li>● Tripping on packages, clutter</li> <li>● Back injury from picking up heavy objects</li> </ul>	<ul style="list-style-type: none"> <li>● Do not enter cluttered areas and report to Operations or Facilities.</li> <li>● Report broken tiles to Facilities</li> <li>● Utilize proper equipment and methods to move items or get help.</li> </ul>

<b>Completed by</b>	<b>Print Name</b>	<b>Date</b>
<b>Area Responsible:</b>	Brian Choi	4/29/08
<b>Participants:</b>		

