

Other Safety Evaluations and Work Authorizations

Some types of work activity hazards may require EHS evaluation or special authorizations. These requirements will not be changed by the transition to Work Planning and Control. The WPC Activities will reference or attach the additional analyses, controls, or authorizations, which may include:

- **Chemical Hazard** industrial hygiene evaluations for work involving toxic or flammable gasses, class 3b or 4 lasers, cryogenics with the potential to cause oxygen deficiencies.
- **Electrical Work** involving exposure to >50V and 5 mAmps may require a Qualified Electrical Worker with specialized equipment and training. Work requiring **Lockout/Tagout** requires special training. If two or more sources of energy must be locked out, there must be an approved LOTO procedure for the equipment. Contact the Electrical Safety Subject Matter Expert for further information about work authorization requirements.
- **Radiation Safety** The Radiation Protection Group provides several types of **Radiological Work Authorization (RWA)** for work with radioactive materials or sources of prompt radiation. If you plan to work with radioactive materials or equipment that may produce radiation, contact the **Health Physicist** assigned to your building to find out what type of authorization you need.
- **Hot Work Permits** are issued by the LBNL Fire Marshall's office for work with sources of ignition.
- **Penetration Permits** are issued by Facilities Division for work that requires penetrating a structural surface (wall, floor, ceiling) or ground where there may be hidden utilities.
- **Subcontractor Job Hazards Analyses (SJHAs)** are required when non-LBNL vendors or service providers will provide hands-on work at LBNL, such as setting up or testing equipment.