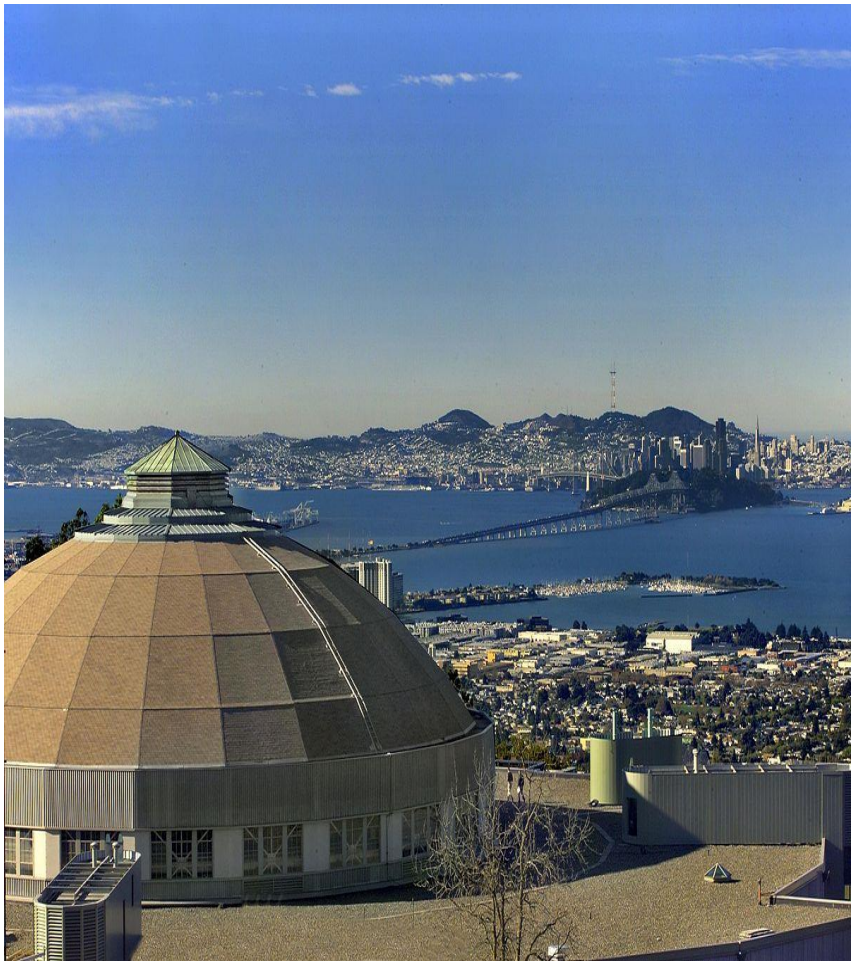
Updates



COMMUNICATIONS TOOL KIT FOR LAB EMPLOYEES

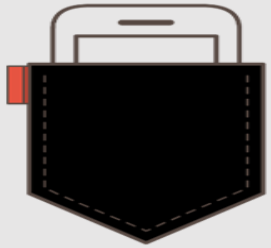
Do you have news you'd like to share with the Lab community and beyond?

Strategic Communications has put together a website that provides the information and resources you need to help you share your news with internal and/or external audiences.

https://sites.google.com/lbl.gov/communications-tool-kit/home?authuser=0

Slips, Trips, and Falls

Pocket Your Phone



Hold Hand Rails

Make Sure One Hand is Always Free

Be Aware of Your Surroundings

..including uneven walking surfaces and debris on walkway.

Look out for Each Other

Speak Up

...when you observe someone not walking mindfully.

Clean Up, Report, and/or Block Off Any Spills

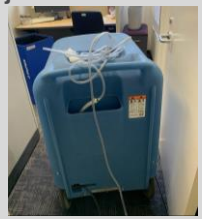
Immediately Report Unsafe Walkways & Broken Handrails

Water Flood in Building 66

October 22, 2020 – LBNL Building 66 (Originating from 66-427)

Laser Chiller in 66-427 Showing Connected Water Hoses

Water Pooling in 4th Floor Lab and Spilling into Adjacent Office



Water Damage to Ceiling Tiles and Pooling in Labs on Floors Below

DESCRIPTION OF INCIDENT

- Late evening/early morning of 10-21/22 a hose connected to house water supply became dislodged from unattended laser chiller in 66-427
- Water flowed from hose onto lab floor and leaked into labs and offices on the 4th, 3rd and 2nd floors
- Water leak discovered by lighting crew during walkthrough at approximately 5 am on 10/22
- Cleanup crew collected over 1,000 gallons of water – total volume released is higher
- B66 closed to researchers on 10/22 when water damage to electrical panels discovered – building remains closed
- Damage resulted to B66 electrical and ventilation systems, walls, floors and light fixtures on 2nd, 3rd and 4th floors

CONTRIBUTING FACTORS

Apparent Causes

- Clamp used to secure hose connection to chiller found to be loose
- Without secure connection hose was able to become dislodged presumably due to force of water pressure

Contributing Factors

- Hose feeding the laser chiller was connected to house water and represented a source of continuous water supply
- Water valves open while laser and chiller were not in use and unattended
- Type of hose used can lose elasticity as it ages and this could contribute to its ability to come loose

RISKS AND MITIGATIONS

Identify Risks

- Incident and causal analysis investigation initiated 10/23
- Extent of condition review to identify other uses of continuous water supplies labwide

Mitigations

- Check of water connections to research instruments to ensure clips are tight and hoses are not damaged or showing signs of ageing
- Add hose inspections to annual laboratory inspections
- Research and implement alternatives to unattended continuous water supplies where feasible
- Research and install water sensors to detect future leaks

Updates

Near Miss with Soldering Iron

-Check Your Areas

—Before you start each day

—Before you leave each day

Power Test Again this Saturday

- Place equipment in Safe and Stable mode by 6pm Friday
- If test goes as planned – Power will NOT be lost
- Be prepared – That was the plan two weeks ago

Updates

Be Safe

&

Happy Holidays