AREA HAZARD ANALYSIS WORK FORM

Title: Bldg. 137 (LOS) Computer Room **Location (Bldg & Rm)** Bldg. 137, Room 224

This computer room houses server computers for different groups within SSRL, mostly installed in racks. Most computers are run via battery-powered uninterruptible power supplies (UPSs). The room has two independent HVAC systems (primary and backup).

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.

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
Air conditioning system (primary, stand-alone)	Contains Chlorodifluoromethane (R-22) Refrigerant pipes are pressurized (200 psi). Strong flow of cold air	Use MSDS Use appropriate LOTO procedures to work on system Wear warm clothes if working in this room for extended periods
Air conditioning system (backup, on top of shelf)	high pressure pipe (LCW)	Use appropriate LOTO procedures to work on system
UPSs	Arc flash Burns/fire Chemicals (lead, sulfuric acid)	Use PPE 2 person rule for work on UPSs Use MSDS
Sprinkler systems (ceiling and sub-floor)	Water into electrical systems	Stay away from sprinkler heads Inform fire department if work needs to be done
Equipment racks	Earthquake, moving racks	Be aware of possible exit paths, watch computer floor (tiles)

Completed by	Print Name	Date
Area Responsible:	Clemens Wermelskirchen	2/22/2007
Participants:	Alan Winston	2/22/2007