

Building Emergency Plan for **Etcheverry Hall**

Contact Persons For This Plan

	Name	Email	Work Phone
Primary	DAN ESSLEY	dessley@nuc.berkeley.edu	5106427789
Alternate	SCOTT MCCORMICK	mccormick@berkeley.edu	5106423427

Emergency Assembly Areas Post-Evacuation

Primary	Alternate	Designated Waiting Area(s) If In Need Of Assistance To Evacuate
The North EAA is on the Ridge Road sidewalk along Etcheverry Hall. The South EAA is on the Hearst Avenue sidewalk along Etcheverry Hall. Do not stand in the alley or in the breezeway.		North and south stairwells for the 4th through 6th floors, as identified by signs. Floors 1 through 3 have ground-level egress. The evacuation chair is in a cabinet on the 3rd floor at the north end of the hallway.

Occupants With Emergency Roles

Name	Emergency Role	Home Workgroup
ANA PREZA-GREGG	Roll Taker	
DENNIS LEE	Floor Monitor;Secure Exterior Doors	
KATHERINE HOM	Lab Stabilizer;Secure Exterior Doors	
JACOB GALLEGO	Floor Monitor	
JEFFREY HIGGINBOTHAM	Check Bathrooms;Floor Monitor	
MARIA BLANCO	Floor Monitor	
DEBRA CHIN	Check Bathrooms;Floor Monitor	
EDGAR MOLINA	Check Bathrooms;Floor Monitor	
DONNA CRAIG	Floor Monitor	
KEITH MCALEER	Check Bathrooms;Floor Monitor	
JAMES PERCY	Check Bathrooms;Floor Monitor	
RENATO VIRAY	Check Bathrooms;Floor Monitor;Secure Exterior Doors	
IRMA PAZ-VIRAY	Check Bathrooms;Floor Monitor;Secure Exterior Doors	
DIANA SALAZAR	Roll Taker	
ALAN BOLIND	EMA Coordinator	
SCOTT MCCORMICK	Building Coordinator (Alternate)	
DAN ESSLEY	Building Coordinator	
SARAH GAUGLER	Check Bathrooms;Floor Monitor;Secure Exterior Doors	
VICTORIA ANNE KRYSIAK	Check Bathrooms;Floor Monitor;Secure Exterior Doors	
ANDREW GUBSER	Floor Monitor	

TABLE OF CONTENTS

A. Purpose Of The Emergency Action Plan.....3

B. Buildings Covered (in Whole or Part)3

C. Specific Work Area (Within the Above Buildings) Covered By This Plan.....3

D. Instructions For Reporting Emergencies.....3

E. Instructions For Evacuation.....4

F. Instructions For Sheltering In Place.....6

G. Instructions For Securing In Place7

H. Procedures For Specific Scenarios.....7

I. Occupants With Special Duties During Emergencies.....11

J. Potential Fire Hazards In This Work Area.....19

K. Potential Ignition Sources In This Work Area.....20

L. Fire Protection Equipment In This Work Area20

M. Other Important Information.....21

Appendices22

Appendix 1: Alarm Systems.....22

Appendix 2: Org Units That Have Staff In This Work Area.....22

Appendix 3: Housekeeping Procedures22

Appendix 4: Maintenance Progam.....22

Appendix 5: Training Requirements23

Appendix 6: Record-Keeping Requirements23

Appendix 7: Contact Persons For This Plan.....23

Appendix 8: Attachments.....24

Plan Status	
Current Plan Status	Plan Updated
Date This Status Became Current	Nov 30, 2018
Next Annual Review Due By	Mar 30, 2019

A. Purpose Of The Emergency Action Plan

A Building Emergency Plan (BEP) is required for each occupied UC Berkeley building. The plan is considered part of every building's basic health and safety responsibility. BEP's contain information for a variety of emergency situations, including medical emergencies, power outages, hazardous material spills, fires, bomb threats, civil disturbances, and earthquakes.

It is important for staff to read and understand their work site(s)'s BEP before an emergency occurs. Managers should share safety information with faculty, staff, and students, brief all new personnel as they join the department, and keep copies of the BEP in accessible locations. The BEP must be made available to all occupants upon request. Building Coordinators (BC) are responsible for the annual BEP review and update.

B. Buildings Covered (in Whole or Part)

Building Name	Address Line 1	Address Line 2	Building Coordinator (or Equiv)	Alternate Bldg Coordinator (or Equiv)	Comment
ETCHEVERRY HALL	Core Campus	Berkeley, CA, 94720	DAN ESSLEY	SCOTT MCCORMICK	

C. Specific Work Area (Within the Above Buildings) Covered By This Plan

Work Area Covered By This Plan	All of Etcheverry Hall but not including Soda Hall or Jacobs Hall
Additional Description of Work Area	
Location Tag	Core Campus
Other Location Tag	EMA 1 - North Gate
Animal Facilities In This Work Area?	No
Animal Facilities Location/Details	

D. Instructions For Reporting Emergencies

Employees shall report any fire or other emergency situation to the UC Berkeley Police Department (UCPD) by dialing **911** on any campus phone or **510-642-3333** via cell.

Important Phone Numbers

The following phone numbers can be posted in the work place for easy reference.

Campus telephone numbers for life-threatening emergencies

From Landlines: 911
 Via Cell: (510) 642-3333

Telephone number for non-life threatening emergencies

UCPD (non-emergency line): (510) 642-6760
 EH&S (510) 642-3073
 Facilities Services (510) 642-1032
 Custodial Services (510) 642-6515

Where to Get Information During a Large-Scale Emergency:

- Campus Nixle messages via email and text (sign-up warnme.berkeley.edu)

D. Instructions For Reporting Emergencies

- | | |
|--|--|
| • Campus emergency information line | 1-800-705-9998 |
| • Campus website or emergency web site | berkeley.edu or emergency.berkeley.edu |
| • Campus radio station | KALX 90.7 FM |
| • Local Radio Stations | KCBS 740 AM, KGO 810 AM |
| • City of Berkeley emergency radio station | 1610 AM |
| • Campus managed Social Media | @UCBerkeley.edu or |
| facebook.com/UCBerkeley | |

E. Instructions For Evacuation

State law requires occupants to evacuate to a safe location when the fire alarm sounds, or when ordered to do so by emergency response personnel or a campus issued message. Occupants should be familiar with two evacuation routes from their work site location.

When Evacuating:

- If safe, gather personal belongings and go bag.
- Stay calm; walk, don't run
- Never use elevators
- Proceed to the designated EAA and report to your department's roll taker.
- Wait for any instructions from emergency responders or the Building Coordinator.
- Do not re-enter until allowed by emergency personnel.

Emergency Assembly Area

The Emergency Assembly Area (EAA) for a campus building is noted on the Emergency Procedures signs posted by exits and stairways. EAAs are open areas located a safe distance from a building. EAAs should not be confused with Designated Waiting Areas (DWA), which are located within buildings for those who need assistance evacuating.

During a large-scale evacuation, your building's EAA may not be available; follow directions of emergency personnel to a safe alternate location.

SPECIFIC ROLES

Building Coordinator (BC)

Key Responsibilities

- Gather information to report to Emergency Management Area (EMA) and Emergency Operations Center (EOC)
- Status of occupants
- Hazards
- Status of utilities
- Communicate information from EMA/EOC to building occupants
- Prevent re-entry until structural assessment

Tasks During Evacuation

- Prevent re-entry
- Place white signs (closed pending inspection) on doors
- Lock doors if safe and possible
- Evaluate overall status
- Coordinate with first responders
- Gather information from Roll Takers & Floor Wardens
- Report requested information to EMA
- Share information from EMA/EOC with building occupants

Alternate Building Coordinator

E. Instructions For Evacuation

Key Responsibilities

- Act as primary BC in BC's absence
- Assist BC during building evacuation

Tasks During Evacuation

- Help compile information
- Assist with radio communication

Floor Warden

Key Responsibilities

- Encourage occupants to evacuate
- Visually evaluate assigned area
- Provide reasonable assurance that occupants have left the building

Tasks During Evacuation

- Walk assigned area
- Vocally encourage evacuation
- Visually evaluate assigned area
- Direct people to calmly proceed to exits
- Open doors & loudly encourage evacuation
- Provide reasonable assistance only if requested
- Usher building occupants to Emergency Assembly Area (EAA)
- Report information to BC in EAA
- Assist BC as requested

Roll Taker

Key Responsibilities

- Account for all staff in EAA
- Communicate occupant status to BC

Tasks During Evacuation

- Conduct roll call in EAA
- Identify any unaccounted for occupants
- Ask managers for assistance in locating missing staff (call/text/check calendar).
- Coordinate with Floor Wardens
- Report total numbers to BC
- Assist BC as requested

Disability Evacuation Procedures

During an emergency evacuation, individuals with mobility impairments should relocate to the Designated Waiting Area (DWA). DWA locations are shown on building evacuation floor plans posted near building elevators and most stairwells.

Persons who cannot self-evacuate should follow the instructions on the DWA signage located at each DWA. The signage includes rescue information to report to first responders.

If a DWA cannot be reached, individuals with mobility impairments should find a room with an exterior window and call 911.

An emergency evacuation chair to assist in carrying a person with mobility impairment up or down stairs is available in most buildings if multiple floors lack ground level access. They are stored in marked cabinets. Persons with mobility impairments may request a universal key to the cabinets. If a cabinet key is not available during emergency evacuation, the lock on the cabinet may be broken to access the evacuation chair inside.

Instructions on how to use the emergency evacuation chair are posted on the inside of the cabinet door. Only in life threatening situation should occupants carry in an individual in an evacuation chair. At

E. Instructions For Evacuation

all other times only trained emergency responders should carry someone.

Photographs demonstrating evacuation chair use, as well as a demonstration video, are available online at [HTTP://ACCESS-GUIDE.BERKELEY.EDU/SAFETY-GUIDE/](http://ACCESS-GUIDE.BERKELEY.EDU/SAFETY-GUIDE/).

Step 1: Open folded chair (like opening a folded lawn chair).

Step 2: Make sure that latches at the rear of the chair are secure.

Step 3: Secure passenger in chair with seat belt.

Step 4: If person with disability cannot control movement of limbs (e.g., arms, legs,) then use straps to secure limbs to chair before moving person.

Step 5: When a person is being carried either up or down stairs, make sure the person being carried is always facing up (not down) the stairs.

Step 6: Once on the final level surface, set chair down and push chair out of building in a posture similar to pushing a wheelbarrow (the legs of the evacuation chair have wheels).

Before assisting an individual with disabilities, ask if and how best to assist.

Evacuation Route	Primary: Nearest exit
	Secondary: Second nearest exit
Emergency Assembly Area	Primary: The North EAA is on the Ridge Road sidewalk along Etcheverry Hall. The South EAA is on the Hearst Avenue sidewalk along Etcheverry Hall. Do not stand in the alley or in the breezeway.
	Secondary:
Designated Waiting Area(s)	North and south stairwells for the 4th through 6th floors, as identified by signs. Floors 1 through 3 have ground-level egress. The evacuation chair is in a cabinet on the 3rd floor at the north end of the hallway.

F. Instructions For Sheltering In Place

In some cases, it may be safer to “shelter-in-place” than to evacuate. If a shelter-in-place order is given, building occupants should follow the following procedures:

Choose a room

- Small, interior room, with no or few windows
- Exterior doors and windows close completely and can be locked
- A hard-wired telephone is ideal

Secure the room

- Lock all available doors
- Turn off all fans, heating and air conditioning systems.
- Block vents and openings with tape, plastic bags or clothing. Create a barrier between occupants and any hazardous contaminant.
- Don't inhale fumes; cover mouth with mask or cloth

Gather information

- Listen to KALX 90.7 FM for updates on the situation and the 'all-clear' message
- Listen and watch for air quality reports
- Be prepared to leave at a moment's notice

What to Do When You Hear Campus Warning Sirens

The campus emergency sirens are used to alert you to shelter indoors. Sirens are tested at noon on the first Wednesday of each month. If the sirens are heard at any other time:

SHELTER: Stay or go inside an office, a nearby building, or car.

SHUT: Shut doors and windows. Building ventilation systems should be shut off if possible.

LISTEN: Listen to KALX 90.7 FM, visit Berkeley.edu or call 800-705-9998 for updates.

G. Instructions For Securing In Place

There may be situations when a location should be secured to prevent entry. This will usually be due to the possible presence of a violent intruder. If a secure-in-place or lockdown order is given employees should follow these procedures to ensure their safety.

Choose a room

- No or few windows
- Exterior doors and windows close completely and can be locked
- A hard-wired telephone is ideal

Secure the room

- Lock and block doors
- Close window shades, turn off lights
- Stay low and away from doors and windows

Additional Notes

- Silence cell phones
- Do not congregate in one portion of the room
- Hide under desks or behind furniture
- When first responders arrive, follow instructions and keep hands visible. Avoid yelling and pointing.

Additional information and training on Targeted Violence is available through UCPD.

H. Procedures For Specific Scenarios

MEDICAL EMERGENCY

- Contact 911 (510-642-3333 via a cell near campus) for any life threatening injuries.
- If you witness an injury or medical emergency in the workplace, immediately assist the injured if it is safe for you to do so. Call 911 as soon as possible from a safe location.

FIRE

Building Fire

A building occupant is required by law to evacuate the building when the fire alarm sounds. Evacuate, then report.

- If you become aware of a fire or hear a fire alarm:
- Use the closest exit or stairway, and, if safe, help family members or co-workers in distress
- Never use elevators
- Feel door handles with the back of your hand; if they are warm, find a different exit
- If there are no other exits, use clothing to prevent smoke from entering through the bottom of the door
- Stay low if you see smoke
- If you are properly trained and your exit is safe and clear, use a portable fire extinguisher
- Don't re-enter until allowed by emergency personnel
- If you can't exit the building, call 911 (510-642-3333 via cell near campus) for assistance
- Seek shelter in your building's Designated Waiting Area
- Pull the fire alarm as you exit the building

Wildfire

If there is a wildfire near campus, be prepared to leave at a moment notice. Monitor air quality updates via Berkeley.edu and KALX 90.7 FM. If sheltering in place, close all doors and windows.

EARTHQUAKE

During an Earthquake

The Hayward Fault runs directly under the east side of our campus. Earthquake preparedness is a

H. Procedures For Specific Scenarios

necessity of being part of the Cal community.

If You Are Indoors:

- DROP to the floor immediately
- Take COVER under sturdy furniture, or near an interior wall, and protect your head
- HOLD ON until the shaking stops

If You Are Outdoors:

- Move away from buildings, power lines, and trees
- DROP, COVER, and HOLD ON
- Use arms to cover head from falling debris
- If driving, pull over in a clear area

Other Tips:

- Stay away from windows
- Stay away from things that can fall on you
- Don't run outside, or to another location to get under a table
- Don't stand in a doorway (it's not safe for shelter)
- Don't use elevators

After the Earthquake

- When the shaking stops, exit the building and go to an EAA or open space
- If safe, before evacuating, stabilize any laboratory procedure that could lead to further danger. (Example: turn off Bunsen burners or electrical equipment.)
- Check for injuries
- Account for friends and colleagues
- Avoid tying up phones lines for non life-threatening emergencies
- Visit berkeley.edu, listen to KALX 90.7 FM, or call 800-705-9998 for updates
- Be prepared for aftershocks and falling debris
- Do not re-enter buildings until allowed by emergency personnel
- Stay calm and reassure others

If Trapped Under Debris

- Signal for help; do not yell because you may inhale dust
- Tap on a metal object, use a whistle or other noise maker to get attention
- Do not light a match due to potential gas leaks; use a cell phone's flashlight if available

DEMONSTRATION

- Most demonstrations are peaceful. If one is conducted near or in your building, carry on business as usual. Avoid provoking or obstructing demonstrators. Should a disturbance occur, call UCPD for assistance.
- If protestors enter your building, let them. Try to carry on business as usual. If the noise becomes too great, or the crowd too large, close and lock your office doors and/or windows.
- Do not close your buildings unless the UCPD advises you to do so. If it becomes necessary to evacuate, follow instructions and report to the building's EAA for further instructions.

CRIMINAL OR VIOLENT BEHAVIOR

UC Berkeley is committed to promoting and maintaining a safe environment for its employees. Threatening, intimidating, or violent behavior will not be tolerated in the UC Berkeley workplace.

Assist in making the work place a safe place by being alert to suspicious situations or persons and reporting them to UCPD.

If you are the victim of, are involved in, or a witness to any violation of the law such as assault, robbery, theft, overt sexual behavior, etc. call UCPD as soon as possible.

Recognizing & Reporting Workplace Violence

- Workplace violence can start as small incidents like negative remarks and inappropriate behavior, but can then escalate to physical or psychological violence.

H. Procedures For Specific Scenarios

- Violence includes any form of intimidation, bullying, stalking, threats, physical attacks, domestic violence, and property damage.
- Support UC Berkeley's zero-tolerance policy towards workplace violence by immediately reporting concerning behavior to your supervisor, preferably in writing, and also to UCPD and CSS- Human Resources. Remember to report all instances of violence, no matter how minor.

Confronting a Potentially Violent Person

- Be composed, don't hurry, and don't raise your voice
- Be empathetic and show your concern, and do not joke or be sarcastic
- Ask the person to sit down (sitting is a less aggressive position)
- Offer positive outcome statements, such as "We'll work on getting this resolved"
- Offer positive feedback for continuing discussions, "I'm glad you're telling me how you feel"
- Remain out of arm's reach and do not touch the person
- Limit eye contact

BOMB THREAT

If you receive a bomb threat (via the telephone):

- Signal for someone to call 911 while you continue speaking with the caller.
- Keep the caller on the phone as long as possible. Ask questions
- Do not pull the fire alarm or use cell phones as they may detonate the bomb.
- Stay calm and keep your voice calm.
- Take notes. Pay attention to details. Note the date and time.

Listen to the caller's voice and note:

- Speech patterns (accent, tone)
- Emotional state (angry, agitated, calm, etc.)
- Background noise (traffic, people talking and accents, music and type, etc.)
- Age and gender

Relay the information to the Police. Follow the Police's instructions.

If you are told by emergency responders to evacuate the building, evacuate immediately. Do not handle any suspicious items found.

SUSPICIOUS PACKAGE

A suspicious-looking box, package, object, or container in or near a work area may be a bomb or explosive material. When identifying a suspicious package look for odd marking, too much postage, no return address, heaviness, excessive tape or string, visible wires, oily or discolored wrappings, strange odors and powdery substances.

Never Handle a Suspicious Package

- Don't interact with the package in any way
- Leave the area, close doors, and warn others to avoid the area
- Call 911 (510-642-3333 via cell near campus)
- Wash exposed skin with soap and water

If evacuated due to a bomb threat remain calm, leave doors open and lights on. Do not activate building's fire alarm.

EXPLOSION

If there is an explosion:

- Take cover under sturdy furniture to protect against falling glass and debris.
- Call 911 (510-642-3333 via a cell phone near campus).
- If injured, seek medical care immediately
- Move away from the hazard site to a safe location. Never use elevators.
- Do not re-enter until allowed by emergency personnel

H. Procedures For Specific Scenarios

HAZARDOUS MATERIAL RELEASE

If a life-threatening hazard is released, evacuate the area and call 911.

To report a non life-threatening hazardous release on campus:

- During business hours contact the Office of Environment, Health & Safety (510-642-3073)
- After hours: 911 (510-642-3333 via cell)

Do not attempt to clean up or identify the substances unless:

- You have documented training on spill clean-up procedures
- Familiar with the hazards of the substance.

Sheltering from Hazardous Material Spill:

If there are hazardous materials in the air or a chemical spill has occurred outdoors shelter-in-place to avoid being exposed.

- Go inside a safe building
- Seek shelter on higher floors
- Close all doors and windows and go to an interior room
- Don't inhale fumes; cover mouth with mask or cloth
- Block vents and openings with tape, plastic bags, and clothing
- Visit berkeley.edu, listen to KALX 90.7 FM, or call 800-705-9998 for updates
- Call 911 (510-642-3333 via cell) if you become ill from exposure

If exposed:

- Remove any clothes exposed to the chemical
- Immediately wash exposed skin for 15 minutes with cool water; use a safety shower or eyewash station if available
- If you feel sick, seek medical care immediately

UTILITY FAILURE

- Notify Facilities Service 24 hour line (510-642-1032) if necessary. If in a leased space, contact the building owner.
- Evacuate the building if the fire alarm sounds and/or upon instruction by response personnel. Proceed to the EAA.
- If you are evacuated from a campus building, do not re-enter until allowed by emergency personnel

Stopping Activities During a Campus Outage

During an outage on campus, your building may become unsafe, so be prepared to stop what you're doing until utilities are back on. Many life safety systems such as alarms, sprinklers, emergency lighting, and fume hoods may not work, particularly during a prolonged outage. Cease using electrical equipment, evacuate the building if necessary, and proceed to the EAA and report to your departmental roll taker or Building Coordinator.

Power Outage

- Fume hoods do not operate during a power outage and many laboratories should not be used until ventilation is properly restored. For more information, refer to the EH&S Fact Sheet #16, "Be Prepared for Power Failures."
- Unplug and turn all electronics to avoid damage if the power surges when it returns.
- Avoid downed power lines
- If dependent on electric life-sustaining equipment, switch to an alternate power source or relocate.
- Prevent carbon monoxide poisoning; do not use a grill, camp stove, or generator indoors.

Elevator failure

If you are trapped in an elevator, use the emergency telephone inside the elevator to call for assistance or press the elevator alarm inside the elevator to signal for help. You may also call 911 (510-642-3333 from a cell phone). Do not use elevators during emergency evacuations or utility outages.

Flood or plumbing failure

H. Procedures For Specific Scenarios

- Cease using electrical equipment.
- Avoid contact with the water.

Steam line failure

- Cease using electrical equipment.
- Avoid live steam. Serious burns can result.
- Consider evacuating the area or building.

Gas smell

- If you smell natural gas:
- Cease all operations immediately.
- Do not operate light switches.
- Evacuate as soon as possible.
- Call 911

Ventilation problem

- If you smell odors coming from the ventilation system:
- Immediately notify Facilities Services and EH&S. If in leased space, notify the building owner or contact person.
- If necessary, cease all operations immediately.
- If necessary, evacuate the building and proceed to the EAA.
- If smoke is present, pull the fire alarm. Call 911 from a safe location.

I. Occupants With Special Duties During Emergencies

Name	Department	Organizer Duties	Duties Pre-Evacuation	Duties Post-Evacuation	Rescue Or Medical Duties
ANA PREZA-GREGG	COENG MECHANICAL ENGINEERING	Roll Taker		Proceed to the North EAA. Take roll of the Etcheverry Hall inhabitants for the ME and NE departments. Collect information from Floor Monitors regarding any building damage, hazardous conditions, and medical/rescue assistance that is required. Have a runner take the roll and the information to the South EAA by running along Le Roy Avenue.	

I. Occupants With Special Duties During Emergencies					
Name	Department	Organizer Duties	Duties Pre-Evacuation	Duties Post-Evacuation	Rescue Or Medical Duties
DENNIS LEE	COENG MECHANICAL ENGINEERING	Floor Monitor;Secure Exterior Doors	On the 1st floor, start at the Student Shop (1166) and proceed east down the north-side corridor, working with Jeff Higginbotham to knock on each door and alert occupants to leave the building. Go up the east stairwell to the 2nd floor, enter the north-side corridor there, and proceed west, knocking on each door and alerting the occupants to leave the building. Check also Rooms 2115/2117 (The Berkeley Manufacturing Institute) but skip Rooms 2120, 2121, and the Women's Restroom. Exit through the 2nd-floor north-side exit. Note any potential building hazards and any medical/rescue assistance needed. Assist Irma Paz-Viray in placing the "Do Not Enter" and "Not Inspected" signs on the 2nd-floor north-side exit door.	Check in at the North EAA with the roll taker.	
KATHERINE HOM	COENG MECHANICAL ENGINEERING	Lab Stabilizer;Secure Exterior Doors	On the 1st floor, alert the occupants in the Student Shop (1166) to leave the building. Ensure all machines in the Student Shop have been turned off. Proceed southwest, and exit to the alley through the loading dock. Place the "Do Not Enter" and "Not Inspected" signs on the loading-dock door.	Alert the occupants in the alley to leave the alley and go to the EAAs. Check in at the South EAA with the roll taker.	

I. Occupants With Special Duties During Emergencies					
Name	Department	Organizer Duties	Duties Pre-Evacuation	Duties Post-Evacuation	Rescue Or Medical Duties
JACOB GALLEGO	COENG MECHANICAL ENGINEERING	Floor Monitor	On the 1st floor, start at the Student Shop (1166), and proceed south down the west-side corridor. Knock on each door, including the 1102 lab, the 1106A conference room, and the 1106B office, alerting the occupants to leave the building. However, skip the Nuclear Reactor Room (1140) and the 1110AB&C labs, as they will be checked by another floor monitor with door access to those rooms. Be sure that both sets of fire doors to Soda Hall are closed. Note any potential building hazards and any medical/rescue assistance needed.	Check in at the South EAA with the roll taker.	
JEFFREY HIGGINBOTHAM	COENG MECHANICAL ENGINEERING	Check Bathrooms;Floor Monitor	On the 1st floor, start at the Student Shop (1166), and proceed east down the north-side corridor. Turn around and head to the north-side exit. Knock on each door, including the Men's Restroom, alerting the occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed.	Check in at the North EAA with the roll taker.	

I. Occupants With Special Duties During Emergencies					
Name	Department	Organizer Duties	Duties Pre-Evacuation	Duties Post-Evacuation	Rescue Or Medical Duties
MARIA BLANCO	COENG MECHANICAL ENGINEERING	Floor Monitor	On the 6th floor, start at the Financial Cluster Office (6195), and proceed south down the east-side corridor, ending at Professor Johnson's office (6149). Knock on each door, including the conference and photocopy rooms, alerting occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed.	Check in at the South EAA with the roll taker.	
DEBRA CHIN	COENG MECHANICAL ENGINEERING	Check Bathrooms;Floor Monitor	On the 6th floor, start at the Men's Restroom, and proceed down the west-side corridor, ending at Professor Kazerooni's office (6147). Knock on each door, including the conference room and the supply room, alerting occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed.	Check in at the South EAA with the roll taker.	
EDGAR MOLINA	COENG MECHANICAL ENGINEERING	Check Bathrooms;Floor Monitor	On the 5th floor, start at the Women's Restroom and Professors Bogy and Horowitz's Lab (5150), and proceed down the east-side corridor, ending at Professor Tomizuka's office (5100B). Knock on each door, including the conference rooms, alerting occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed.	Check in at the South EAA with the roll taker.	

I. Occupants With Special Duties During Emergencies					
Name	Department	Organizer Duties	Duties Pre-Evacuation	Duties Post-Evacuation	Rescue Or Medical Duties
DONNA CRAIG	COENG MECHANICAL ENGINEERING	Floor Monitor	On the 5th floor, start at Professor McMains's office (5146), and proceed down the west-side corridor, ending at Professor Horowitz's office (5101A). If possible, take the shortcut through Professor Yamazaki's laboratory (5101). Knock on each door, including the student lounge, alerting occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed.	Check in at the South EAA with the roll taker.	
KEITH MCALEER	COENG INDUSTRIAL ENG & OPS RES	Check Bathrooms;Floor Monitor	On the 4th floor, start at Anayancy Paz's office (4145) next to the IEOR Chair's Office, and proceed first east and then south down the east-side corridor, ending at the lab next to south elevator (4152). Knock on each door, including the Men's Restroom, the conference rooms, and the IEOR student meeting rooms, alerting occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed.	Check in at the South EAA with the roll taker.	

I. Occupants With Special Duties During Emergencies					
Name	Department	Organizer Duties	Duties Pre-Evacuation	Duties Post-Evacuation	Rescue Or Medical Duties
JAMES PERCY	COENG INDUSTRIAL ENG & OPS RES	Check Bathrooms;Floor Monitor	On the 4th floor, start at the Women's Restroom, and proceed south down the west-side corridor, ending at the Nuclear Engineering Student Lounge. Knock on each door, including the IEOR Staff Lounge/Kitchenette, the NE Kitchenette, and the conference and storage rooms, alerting occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed.	Check in at the South EAA with the roll taker.	
RENATO VIRAY	COENG MECHANICAL ENGINEERING	Check Bathrooms;Floor Monitor;Secure Exterior Doors	On the 2nd floor, start at the IT Office (2113) and proceed south down the west-side corridor, knocking on each door, including the Men's Restroom, and alerting the occupants to leave the building. Be sure to shut the doors to Soda Hall. Note any potential building hazards and any medical/rescue assistance needed. Place the "Do Not Enter" and "Not Inspected" signs on the 2nd-floor south-side exit door.	Check in at the South EAA with the roll taker.	

I. Occupants With Special Duties During Emergencies					
Name	Department	Organizer Duties	Duties Pre-Evacuation	Duties Post-Evacuation	Rescue Or Medical Duties
IRMA PAZ-VIRAY	COENG MECHANICAL ENGINEERING	Check Bathrooms; Floor Monitor; Secure Exterior Doors	On the 2nd floor, start at the Shipping and Receiving Office (2120) and knock on the doors of the Women's Restroom and Room 2121, alerting the occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed. Exit through the north-side exit. Place the "Do Not Enter" and "Not Inspected" signs on the 2nd-floor north-side exit door.	Check in at the North EAA with the roll taker.	
DIANA SALAZAR	COENG INDUSTRIAL ENG & OPS RES	Roll Taker		Proceed to the South EAA. Take roll of the employees in Etcheverry Hall. When the runner comes from the North EAA to the South EAA, merge your roll with the one from the North EAA. Collect and disseminate information from the Floor Monitors to the Building Coordinator, regarding any building damage, hazardous conditions, and medical/rescue assistance that is required.	
ALAN BOLIND	COENG DEAN'S OFFICE	EMA Coordinator		Proceed to the EMA-1 location at the North Gate Circle. Conduct EMA-1 operations.	

I. Occupants With Special Duties During Emergencies					
Name	Department	Organizer Duties	Duties Pre-Evacuation	Duties Post-Evacuation	Rescue Or Medical Duties
SCOTT MCCORMICK	COENG MECHANICAL ENGINEERING	Building Coordinator (Alternate)		Proceed to the North EAA. Check in with the north roll taker, and collect information about the status of the building. Proceed to the South EAA by walking along Le Roy Avenue. Convey information to the Building Coordinator, if present. Otherwise, check in with the south roll taker, and conduct the role of the Building Coordinator.	
DAN ESSLEY	COENG DEAN'S OFFICE	Building Coordinator		Proceed to the South EAA. Check in with the roll taker, and collect information about the status of the building. Fill out the Building Status Report form, and communicate it to the EMA-1 coordinator by the BC radio or by runner.	
SARAH GAUGLER	COENG ENGINEERING RESEARCH	Check Bathrooms; Floor Monitor; Secure Exterior Doors	On the 3rd floor, start at the 3110 seminar room, and proceed north down the corridor. Knock on each door on both sides of the hallway, including the 3119 classroom, the 3116 laboratory, and the Men's Restroom, and alert the occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed. Place the "Do Not Enter" and "Not Inspected" signs on the 3rd floor north-side exit door.	Check in at the North EAA with the roll taker.	

I. Occupants With Special Duties During Emergencies					
Name	Department	Organizer Duties	Duties Pre-Evacuation	Duties Post-Evacuation	Rescue Or Medical Duties
VICTORIA ANNE KRYSIAK	COENG ENGINEERING RESEARCH	Check Bathrooms;Floor Monitor;Secure Exterior Doors	On the 3rd floor, start at the 3113 classroom, and proceed south down the corridor. Knock on each door on both sides of the hallway, including the Women's Restroom, the V&A Cafe, and the V&A balcony, and alert the occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed. Place the "Do Not Enter" and "Not Inspected" signs on the 3rd floor south-side exit door.	Check in at the South EAA with the roll taker.	
ANDREW GUBSER	COENG ENGINEERING RESEARCH	Floor Monitor	On the 1st floor, starting at Room 1107, proceed to the 1110AB&C labs. Open the doors and alert the occupants to leave the building. Enter the Nuclear Reactor Room (1140) and check all of the main experimental areas, including the modular rooms and the vault, to alert the occupants to leave the building. Note any potential building hazards and any medical/rescue assistance needed. Exit by the south-east emergency exit, and proceed up the east stairwell, through the 3rd floor emergency door, and out through Soda Hall.	Check in at the South EAA with the roll taker.	

J. Potential Fire Hazards In This Work Area

Fire Hazard	Location(s)	Details	Person(s) Responsible For Controlling Accumulation
Combustible Material (e.g. paper, cardboard, wood, etc.)	In laboratories		Principal investigators of the laboratories
Flammable/Combustible Gases	1113	Inlet for natural gas line to the building	Building Coordinator
Flammable/Combustible Gases	In the storage area for gas cylinders on the loading ramp to 1140		DSC for Nuclear Engineering
Flammable/Combustible Gases	In 1107	Natural gas line to forging furnace	Principal investigator of 1107
Flammable/Combustible Gases	In laboratories		Principal investigators of the laboratories
Flammable/Combustible Liquids	In laboratories		Principal investigators of the laboratories
Flammable/Combustible Solids	In laboratories		Principal investigators of the laboratories
High piled storage	Outside, in the loading dock of the 1st floor	Mixed-paper bailer; trash compactor	UC Berkeley's waste management
Oxidizing materials (e.g. pool chemicals, oxygen, gases, etc.)	In laboratories		Principal investigators of the laboratories

K. Potential Ignition Sources In This Work Area

Ignition Source	Location(s)	Details
Burner, Torch Or Other Open Flame Appliance	In laboratories	
Burner, Torch Or Other Open Flame Appliance	1107	Natural-gas-fired forging furnace
Cooking	In kitchenettes	
Electrical wiring	In laboratories and in the student machine shop	
Open Flames	In laboratories	
Welding	In laboratories and in the student machine shop	

L. Fire Protection Equipment In This Work Area

Type	Location(s)	Details	Person(s) Responsible For Maintenance Of Fire Protection Equipment
Fire Doors	On the exits of every floor. On the passageways to Soda Hall on the 1st and 2nd floors. On the passageway to Jacobs Hall on the 2nd floor.		Building manager
Fire Extinguishers	On every floor, near the exits and at other marked locations. In every laboratory.		Building manager
Fire Sprinkler System	Floors 1, 2, 5 and 6		Building manager

M. Other Important Information

An automatic external defibrillator (AED) is located in a red box at the north end of the hallway on the 3rd floor.

Appendices

Appendix 1: Alarm Systems	
Details Of Building Fire Alarm System	Audible fire horns with strobe lights are located throughout the building. Manual pull alarms are located at every exit on every floor.
Other Employee Alarm Systems In Building	Elevator Alarm
Details Of Other Employee Alarm Systems	The Elevator Alarm makes a loud bell sound. When you hear the elevator alarm, call the University Police at (510) 642-6760 (the 24-hour non-emergency contact line). Please note that the elevator alarm also makes a highpitched buzzing noise if the elevator door is kept open for too long.

Appendix 2: Org Units That Have Staff In This Work Area
CSS, Team 2 (ERSO)
Engineering

Appendix 3: Housekeeping Procedures (to control accumulation of flammable and combustible waste materials)
<p>The following housekeeping procedures are practiced to control accumulation of flammable and combustible waste materials:</p> <p>Paper, Cardboard and Plastic: Waste paper receptacles are emptied regularly into dumpsters, and dumpsters are emptied regularly.</p> <p>Electrical: Periodic inspections of outlets, electrical cords, multi-strips, cubicles and work areas.</p> <p>Electrical Tools: Employees using tools are trained to inspect those tools.</p> <p>Flammable/Combustible Liquids: Liquids are stored in approved flammable storage cabinets or away from sources of combustion, oxidizing chemicals, or other materials that could increase the fire hazard.</p> <p>Flammable/Combustible Gases: Gas cylinders are stored in approved racks and transported on approved carts. Equipment using flammable/combustible gases is inspected regularly by trained personnel.</p> <p>Plant Material: Plant material (especially dry material) shall be separated from any and all sources of ignition or other flammable material.</p> <p>Animal Feed: Animal feed shall be kept separate from any and all sources of ignition or other flammable material. Procedures for storing animal feed are specified in the Office of Animal Care's Guide For The Care of Large And Small Animals.</p>

Appendix 4: Maintenance Program (for fire alarm & fire protection equipment)
<p>Fire Extinguisher Inspection and Recharging: All extinguishers are inspected annually and recharged as needed by a certified professional (Acme Extinguisher Co., Inc)</p> <p>Fire Alarm Systems: Fire alarm systems are inspected and tested annually by the Campus Alarm Technicians.</p>

Appendix 4: Maintenance Program

(for fire alarm & fire protection equipment)

Fire Hoses for Occupant Use: Fire hoses are tested every three years by Facility Services.

Fire Sprinkler Systems: Fire sprinkler systems are inspected and tested by a certified professional.

Fire Suppression Systems: Fire suppression systems are maintained as follows:

- (a) Kitchen range hood systems are inspected and recharged every six months by a certified professional (Acme Extinguisher Co., Inc.)
- (b) Computer room suppression systems are inspected and recharged by a certified professional.

Welding and Shop Equipment: Welding equipment and other shop equipment that could be a source of ignition is inspected for safety at each use by trained operators.

Appendix 5: Training Requirements

OSHA regulations require training on the BEP for those with specific emergency duties. The Department Safety Coordinator (DSC) or designee is responsible for training the department employees on the BEP and keeping training records. It is the responsibility of the occupant to become familiar with the BEP and the evacuation routes and Emergency Assembly Areas (EAA). Emergency procedures and evacuation information should be visibly posted on each floor of the building.

Annual "Hazardous Materials Spill Response" training is required for any employee that handles hazardous materials. This training is available online at the UCB Learning Center through the Blu portal (<http://blu.berkeley.edu>). Employees who cannot access the Blu portal can complete the training on the EH&S website (<http://ehs.berkeley.edu/trainnonemploy.html>).

People with Specific Roles

Before implementing the BEP, the Building Coordinator shall designate and train a sufficient number of persons to assist in the safe and orderly building evacuation, including alternate BCs, roll takers, and floor wardens. The BC is responsible for informing individuals of their specific evacuation responsibilities as identified in the BEP. Additional training is required by OSHA when the plan changes or an employee's responsibilities covered in the plan change.

Drills

Annual building evacuation drills are required for campus residence halls, high rise buildings, childcare buildings, and healthcare buildings. Evacuation drills are optional for all other campus buildings. All evacuation drills are coordinated with the campus Fire Prevention Division within EH&S. The BC is responsible for coordinating with Fire Prevention for drill planning and documentation.

Appendix 6: Record-Keeping Requirements

A complete hard copy of the plan should be kept in the workplace and made available for review to any employee, student, occupant, or guest. As updates are made to the plan, hardcopies should be updated to include the changes.

Appendix 7: Contact Persons For This Plan

	Name	Email	Work Phone	Cell Phone
Primary	DAN ESSLEY	dessley@nuc.berkeley.edu	5106427789	(510) 332-8734

Appendix 7: Contact Persons For This Plan

	Name	Email	Work Phone	Cell Phone
Alternate	SCOTT MCCORMICK	mccormick@berkeley.edu	5106423427	

Appendix 8: Attachments

Attachment Name	Description
Etcheverry Hall Building Evacuation Log-November 30, 2018.pdf	