



CSU Bakersfield

Business and Administrative Services

University Police Department

Mail Stop: 6 PS
9001 Stockdale Highway
Bakersfield, California 93311-1022

(661) 654-2111
(661) 654-3194 FAX
www.csub.edu/bas/police

To: UPD

From: Marty Williamson

Date: 10-29-20

**Subj: UPD Response to Mild to Moderate Earthquake
Directive 20.5**

Summary

An earthquake is a sudden release of energy from the earth's crust that creates seismic waves. Tectonic plates become stuck, putting a strain on the ground. When the strain becomes so great that rocks give way, fault lines occur. We are all aware Kern County is home to several different faults, the best known is the San Andreas Fault along the western edge of Kern County, along with White Wolf Fault, Poso Fault, Garlock Fault and others.

Kern County is known for having earthquakes with a several over the last few years. We should always be prepared for an earthquake and understand our response for the campus.

The size of an earthquake is expressed quantitatively as magnitude and local strength of shaking as intensity. The inherent size of an earthquake is commonly expressed using a magnitude. When an earthquake is felt and it reaches a certain intensity or magnitude, UPD will conduct a campus check of critical buildings and infrastructure.

When an earthquake reaches a level III on the Modified Mercalli Intensity Scale, or a 3.5 or higher on the Richter Scale, UPD will conduct a campus survey. (*ref. CSUB EOP Hazard Annex 3*)

The on duty sergeant will determine the level of inspection for the campus based on the above ratings. The higher the rating and/or the closer the epicenter to Bakersfield will help determine the level of survey to be conducted.

At a minimum, the UPD will be checked for any structural damage or functional damage to radio or related equipment. The outside of the campus buildings will be checked for any apparent damage or cracking, broken or cracked windows, or damage of stucco or brick falling. In addition, the Dore Theatre, Sci III and the WSL should be checked in the interior as well. The WSL and Sci III should have all floors checked for damage.

As the level or Richter Scale is higher, and/or the epicenter is close to Bakersfield, additional buildings and infrastructure should be checked for damage including pipe damage creating leaks. This includes the

gas storage at Facilities, water towers, and other critical areas. Checks for interior damage should also occur.

To assist in this effort, you can copy a template from our EOP that has all the buildings listed for a window survey to assist as a checklist for you. (*ref. CSUB EOP Functional Annex 17, Windshield Survey*)

If we reach a level V on the Mercalli Intensity Scale or a 4.5 on the Richter Scale, the Emergency Manager should be notified and response actions should be discussed. This could include calling back additional staff, activating the EOC, calling out Facilities' Staff to assist with a campus inspection, and calling out the Seismic Coordinator for the CSUB campus.