

Action to take before an earthquake



Earthquakes strike suddenly, without warning, and can occur at any time of the year, day or night. While most buildings have been designed to resist earthquakes and protect occupants, some structures may have deficiencies that can lead to substantial damage and possible collapse. The following tips and actions may be helpful to consider in in areas of moderate and high seismicity.

Action to take during an earthquake

Action to take before all carridoake	Action to take dotting all eartingouke
Plant Management/Emergency Team:	Plant Management/Emergency Team:
☐ Determine if the facility is safe by identifying and understanding where possible problems can occur.	If you are inside a building when the shaking starts: Drop where you are, cover and hold on. Stay away from windows to prevent injury from shattered glass. Stay away from hazards such as heavy objects that can fall. Stay indoors until shaking stops and it is safe to exit. If you are outside when the shaking starts: Find a clear area and sit on the ground. Stay away from power lines, trees and streetlights.
 □ Strengthen and secure facility's now by reducing or eliminating identified hazards. □ Develop an emergency preparedness plan that includes: evacuation and reunion plans, training and practice drills, inspection checklists, shutdown procedures, out-of-region contacts for vendors and emergency services, etc. □ Maintain emergency equipment and supplies in easily accessible locations (i.e., 	
shipping container located away from any potential falling hazards). Buildings and Nonstructural Elements: Assess seismic adequacy of buildings and nonstructural elements.	
 A seismic risk assessment can be performed by qualified licensed Structural Engineers that specialize in earthquake mitigation to determine how the buildings and nonstructural elements will perform in a future earthquake and identify potential vulnerabilities and concerns. Implement identified mitigation measures to reduce business interruption, loss of market share, property damage, occupant injuries, insurance costs, threat to shareholder equity and litigations costs. 	Action to take after an earthquake Plant Management/Emergency Team: The Earthquake Emergency Response Team should be prepared and trained in recovery and salvage efforts specific for each location. The site should be secured and a Command Center should be established to direct the recovery operation.
Some cost-effective measures can include: □ Providing an emergency gas shutoff value to limit potential gas leakage. □ Bolting and bracing mechanical and electrical equipment to prevent damage from shifting and falling injury to nearby occupants. □ Bolting and bracing potential falling objects such as bookcases and cabinets. □ Bracing all suspended ceilings and light fixtures to prevent them from falling on occupants below. □ Bracing hot water heaters, especially gas-fired units, to avoid pipe failures, water damage and gas leakage. □ Providing egress corridors free of falling objects and debris that could impede exits through any passageway.	 Survey and identify life-safety hazards such as: permanently deformed structures (leaning or tilting), extensive cracking and distortions to structural elements, leakin gas or flammable materials, spillage of toxic chemicals, unstable ceilings, partition walls, etc., and injured or trapped occupants. Expect aftershocks and never enter an unsafe building because further damage can occur and lead to possible life-safety hazards. Structural damage should always be assessed by a licensed Structural Engineer familiar with earthquake damage to determine whether the building can be occupied, the extent of damage, and what remediation measures should be implemented. Designated key personnel and emergency contractors should be called to coordinate and start repairs and salvage. Ensure that all contractors are familiar
Emergency Equipment: As a minimum, the following equipment and supplies should be considered: food and water, first aid kits, shelter materials such as blankets and tents, flashlights and spare batteries, portable battery-powered radios and spare batteries, satellite phones, and rescue equipment such as ropes, jacks and cutters.	with Company Policy Programs and share responsibility for fire safe conditions at all times. Report damage to insurance companies as soon as possible.
Provide adequate emergency power back-up (i.e., generators and fuel).	

Share the tip sheet:

For more information on how to prepare, protect and recover, visit our Catastrophe Preparedness Center at www.aig.com/catpreparedness

American International Group, Inc. (AIG) is a leading global insurance organization. Founded in 1919, today AIG member companies provide a wide range of property casualty insurance, life insurance, retirement products, and other financial services to customers in more than 80 countries and jurisdictions. These diverse offerings indude products and services that help businesses and individuals protect their assets, manage risks and provide for retirement security. AIG common stock is listed on the New York Stock Exchange and the Tokyo Stock Exchange.

Additional information about AIG can be found at www.aig.com | YouTube: www.youtube.com/aig | Twitter: @AIGinsurance www.twitter.com/AIGinsurance | LinkedIn: www.linkedin.com/company/aig.

AIG is the marketing name for the worldwide property-casualty, life and retirement, and general insurance operations of American International Group, Inc. For additional information, please visit our website at www.aig.com. All products and services are written or provided by subsidiaries or affiliates of American International Group, Inc. Products or services may not be available in all countries, and coverage is subject to actual policy language. Non-insurance products and services may be provided by independent third parties. Certain property-casualty coverages may be provided by a surplus lines insurer. Surplus lines insurers do not generally participate in state guaranty funds, and insureds are therefore not protected by such funds.