Sample Risk and Hazard Vulnerability Assessment

This Risk and Hazard Vulnerability Assessment will assist school districts/schools to plan in ways that compliment the All Hazards planning done by the community. It is important that School District/School All Hazard Plans integrate well with municipal emergency management plans.

Assessment Instructions: This rating of hazards should be done by the School District's/School's Safety Committee. **This Risk and Hazard Vulnerability Assessment is not intended to be completed by one person working alone.** A copy of your Municipal and County Hazard Vulnerability Analysis may be requested from your Municipal and County EMA Offices.

- 1. Fill out the Jurisdiction Description/Planning Team form.
- 2. Go to the Hazard Identification and Rating section.
- 3. Fill out the Rating Chart:
 - Begin with the first hazard. If you answer "YES", the hazard could affect your jurisdiction, continue answering questions 2, 3, 4, and 5 in that row.
 - If your answer is "NO" to question 1, continue down the page to the next hazard.

NOTE: Risk and Hazard Vulnerability Assessments must be reviewed at least once every year for new risks and changing conditions—such as new construction—in the area.

If you have answered "yes" to either question #3 or #4, you have identified a significant hazard for your school district/school.

- 4. Make a copy of the completed Risk and Hazard Vulnerability Assessment:
 - Send a copy to your superintendent's office
 - Your Municipal and County Emergency Management Agency should get a copy.
- 5. Write or update the School District's/School's Hazard Identification List.
- 6. Write or update the School District's/School's All Hazard Plan.

Jurisdiction Description

- 1. Jurisdiction name:
- 2. Name, address, and telephone number of Municipal Emergency Management Agency:

Organization Name		
Street Address		
Mailing Address		
City	State	Zip Code
()	()_	
Telephone Number	Fax Num	ber
E-Mail Address		

Organization Name		
Street Address		
Mailing Address		
City	State	Zip Code
()	()	-
Telephone Number	Fax Nurr	nber

E-Mail Address

3.

4. Name, title, and telephone number of person responsible for coordinating School District/School All Hazard Planning activities:

Name			
Title			
Organization Name			
Street Address			
Mailing Address			
City	State	()	Zip Code
Telephone Number		Fax Number	
Residential Telephone Nu	ımber		
· · · · · · · · · · · · · · · · · · ·			
Work Telephone Number			
()			
Fax Number			

E-Mail Address

SIGNATORY PAGE

5. Names and titles of members of the School District/School Safety Committee filling out this report:

Name	Title	Date	
Name	Title	Date	

Assessment Completed	Date
Safety Team Chairperson Approval	Date
School Principal Approval	Date
Deta Sant Ta Sun avintan dant	
Date Sent To Superintendent	
Date Sent to Police Chief(s)	
Date sent to Fire Chief(s)	
Deta Sant Ta Municipal Encorrence Mar	
Date Sent To Municipal Emergency Mar	lagement Agency

HAZARD NAME NOTE: All Hazards	HAZARD IDENTIFICATION		VULNERABILITY		CONCLUSION
NOTE: All Hazards marked by an asterisk (*) could be caused by a terrorist event.	1. Could this hazard affect School District/School? If "NO" go down to next hazard. If "YES" complete #2- 5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of School District/School?	3. Could School District/School property damage, or loss of use of School District/School property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
ACCIDENT	Mass Transportation - An event involving a multi-passenger vehicle(s), such as cars, buses, school buses, planes, trains, ferries, or boats that occurs while traveling to or from a school district/school supported or sanctioned activity. [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

Off Site - An incident from any cause that results in serious bodily harm or death to one or more people while engaged in a School District/School supported or sanctioned activity off school property.[] Yes [[] No	 [] Low [] Moderate [] High 	[] Yes [] No	[] Yes [] No	[] Yes [] No
On Site - An event from any cause that results in serious bodily harm or death to one or more people while on School District/School property[]] Yes []] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

HAZARD NAME NOTE: All Hazards	HAZARD IDENTIFICATION		VULNERABILITY		CONCLUSION
marked by an asterisk (*) could be caused by a terrorist event.	1. Could this hazard affect School District/School? If "NO" go down to next hazard. If "YES" complete #2- 5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of School District/School?	3. Could School District/School property damage, or loss of use of School District/School property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
AVALANCHE* - Mass of sliding snow occurs in mountainous terrain where snow is deposited on slopes of 20 degrees or more.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

BLIGHT/ INFESTATION* - Any injury to plants resulting in withering, cessation of growth and death of the above ground part of plants caused by: disease organisms (fungi, bacteria, or virus), insects, or unfavorable environmental conditions. Trees may be weakened causing risk to those passing under them. Fire risk due to dying vegetation	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
may increase. BUILDING COLLAPSE Loss of structural integrity of buildings due to wind, water, snow or seismic events resulting in significant personal injury or economic loss.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

HAZARD NAME NOTE: All Hazards	HAZARD IDENTIFICATION	V	CONCLUSION		
marked by an asterisk (*) could be caused by a terrorist event.	1. Could this hazard affect School District/School? If "NO" go down to next hazard. If "YES" complete #2- 5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of School District/School?	3. Could School District/School property damage, or loss of use of School District/School property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
CIVIL/POLITICAL DISORDER* - Certain types of facilities, such as government buildings, schools and universities, military bases, nuclear power facilities, abortion clinics, work sites, mass- gathering places, and correctional facilities are more vulnerable than others.	Demonstration A public protest. [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

Economic Emergency Loss of personal governmental, o commercial economic stabili [] Yes [] No	or	[] Yes [] No	[] Yes [] No	[] Yes [] No	
Hostage Inciden Person or group held as security pending the fulfillment of ce terms. [] Yes [] No	[] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No	

HAZARD NAME	HAZARD IDENTIFICATION	l l	VULNERABILIT	Y	CONCLUSION
NOTE: All Hazards marked by an asterisk (*) could be caused by a terrorist event.	1. Could this hazard affect School district/School? If "NO" go down to next hazard. If "YES" complete #2-5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of School District/School ?	3. Could School District/School property damage, or loss of use of School district/School property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
CIVIL/POLITICAL DISORDER* (cont) Certain types of facilities, such as government buildings, schools and universities, military bases, nuclear power facilities, abortion clinics, work sites, mass-gathering places, and correctional facilities are more vulnerable than others.	Strike/Lockout A work stoppage to protest or influence work practices. [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

Sabotage/Vandalism Intentional destruction of property or obstruction of normal operations. [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
Weapons of Mass Destruction Chemical Biological Radiological Nuclear Explosive [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

HAZARD NAME NOTE: All Hazards marked by an asterisk (*) could be caused by a terrorist event.	HAZARD IDENTIFICATION		VULNERABILITY	7	CONCLUSION
	1. Could this hazard affect School district/School? If "NO" go down to next hazard. If "YES" complete #2- 5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of School District/School ?	3. Could School District/School property damage, or loss of use of School District/School property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
CONTAMINATION OF FOOD/DRINKING WATER/AIR/SOIL* - The accidental or deliberate introduction of dangerous substances into food, beverages, medications, water, and other ingested products or into HVAC systems.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
CONTAGIOUS, INFECTIOUS DISEASE OR PANDEMIC*	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

DAM FAILURE* - Dam failure is the spontaneous release of water resulting from improper operation or structural collapse of the structure, etc.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
DEATH/SUICIDE - The accidental or self inflicted death of a student, teacher, school volunteer, coach, school resource officer, school administrator; or any person that has frequent and close association with school district/school activities, staff and students. Morale for the whole school district/school and student grades can be affected for months afterward.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

HAZARD NAME NOTE: All Hazards marked by an asterisk (*) could be caused by a terrorist event.	HAZARD IDENTIFICATION	v	ULNERABILITY	7	CONCLUSION
	1. Could this hazard affect School District/School? If "NO" go down to next hazard. If "YES" complete #2- 5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of School District/School?	3. Could <u>School</u> District/School property damage, or loss of use of <u>School</u> District/School property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
DROUGHT - Prolonged period without rain: A twelve month period during which precipitation is less than 85% of normal as defined by the National Weather Service (44 inches is the average precipitation level per year). Droughts occur about every 20 years with severe three–five year droughts occurring about every 40 years.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

EARTHQUAKE - Sudden motion of the ground which may result in surface faulting (ground rupture), ground shaking, and ground failure resulting in damage to buildings, roads, bridges and loss of utility service(s).	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
ENERGY SHORTAGE - A significant shortage of any energy resource or the inability to pay for high priced energy resources, resulting in a loss of fuel supplies for space heating, emergency and health care service; thereby endangering both life and property.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

HAZARD NAME NOTE: All Hazards marked by an asterisk (*) could be caused by a terrorist event.	HAZARD IDENTIFICATION		VULNERABILITY	,	CONCLUSION
	1. Could this hazard affect School District/School? If "NO" go down to next hazard. If "YES" complete #2- 5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of School District/School ?	3. Could School District/School property damage, or loss of use of School District/School property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
EROSION - The wearing away and removal of soil particles by running water, waves, currents, moving ice, or wind resulting in severe land destruction and property damage.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
FIRE - The outbreak of fire or smoke within the school building, Porta-mobile units, and out buildings or in grass, fields, brush and woods around school buildings.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

FLOOD	Riverine - Periodic over- bank flow of rivers and streams. [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
	Flash - Quickly rising small streams after heavy rains, ice jams, or rapid snow melt.	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
	[] Yes [] No				
HEAT WAVE - A spell of three or more consecutive days on each of which the maximum temperature reaches or exceeds 90°F.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

HAZARDOUS MATERIALS INCIDENT - FIXED FACILITY*	Chemical Uncontrolled release of hazardous materials from a fixed site. [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

Radiological - A radiological release	[] Low [] Moderate	[] Yes [] No	[] Yes [] No	[] Yes [] No
occurring at a	[] High	L]-'V		L J
nuclear power	[]8			
plant, or in				
association				
with hospitals,				
industrial				
facilities, and				
research labs				
which may				
cause impaired				
thyroid				
function, whole				
body, and bone				
marrow				
contamination				
from absorption on				
absorption or ingestion of				
contaminated				
food.				
1000.				
[] Yes				
[] No				

g HAZARD NAME	HAZARD IDENTIFICATION	v	CONCLUSION		
NOTE: All Hazards marked by an asterisk (*) could be caused by a terrorist event.	1. Could this hazard affect School District/School? If "NO" go down to next hazard. If "YES" complete #2- 5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of School District/School?	3. Could School District/School property damage, or loss of use of School District/School property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
HAZARDOUS MATERIALS INCIDENT - TRANSPORTATION* - Uncontrolled release of radiological, chemical, or biological hazardous materials during transport that causes impact to school district/school property or staff and students, or disrupts school transportation routes.	Rail [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
	Pipeline [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
	Port [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

River [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
Highway [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

HAZARD NAME NOTE: All Hazards marked by an asterisk (*) could be caused by a terrorist event.	HAZARD IDENTIFICATION		VULNERABILITY	7	CONCLUSION
	1. Could this hazard affect School District/School? If "NO" go down to next hazard. If "YES" complete #2- 5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of School District/School ?	3. Could School District/School property damage, or loss of use of School District/School property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
HURRICANE - A hurricane is a tropical cyclone in which winds reach speeds of seventy-four miles per hour or more, and blow in a large spiral around a relatively calm center. It produces measurable damage and destruction from heavy rainfalls, winds, and flooding.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
LANDSLIDE* - A mass of sliding earth, mud, or rock.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

SUBSIDENCE - Depressions, cracks, and sinkholes in the ground's surface caused by removal of water or gas beneath the surface.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
TORNADO - A violently whirling column of air extending downward from a cumulonimbus cloud and seen as a rapidly rotating, slender, funnel shaped cloud that has a wind velocity of up to 300 miles per hour at the central core and destroys everything along its narrow ground path.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

TRANSPORTATION		r 1 r	F 3 \$ 7	F 1 \$7	F 1 \$7
INCIDENT -	Air	[] Low	[] Yes	[] Yes	[] Yes
PASSENGER - An incident		[] Moderate	[] No	[] No	[] No
involving passenger air, rail,	An accident	[] High			
highway, or water modes of	involving a				
travel resulting in death or	multi-				
injury. Includes school	passenger				
district/school staff and	(twenty or				
students traveling on school	more) or				
district/school buses,	cargo aircraft				
commercial buses, trains,	or small				
cruise ships, ferries etc.	private plane,				
	resulting in				
	injuries, loss				
	of life, and				
	destruction of				
	private				
	-				
	property where it				
	impacts.				
	Includes areas				
	within the				
	flight paths of				
	airports.				
	[] Yes				
	[] No				

HAZARD NAME	HAZARD IDENTIFICATION	VULNERABILITY			CONCLUSION
NOTE: All Hazards marked by an asterisk (*) could be caused by a terrorist event.	1. Could this hazard affect School District/School? If "NO" go down to next hazard. If "YES" complete #2- 5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of School District/School?	3. Could School District/School property damage, or loss of use of School District/School property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
TRANSPORTATION INCIDENT - PASSENGER (cont) - An incident involving passenger air, rail, highway, or water modes of travel resulting in death or injury. Includes school district/school staff and students traveling on school district/school buses, commercial buses, trains, cruise ships, ferries etc.	Highway An unforeseen event involving a rapid- transit, multi- passenger vehicle or a large supply truck which results in severe injuries, fatalities, and property damage. [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

Rail An accident or derailment involving multiple railroad cars which causes abnormal interaction with the general public by blocking roads and/or causing property damage. [] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
--	-------------------------------------	-------------------	-------------------	-------------------

TRANSPORTATION					
INCIDENT -	Water	[] Low	[]Yes	[]Yes	[]Yes
	** alCI				
PASSENGER (cont) - An		[] Moderate	[] No	[] No	[] No
incident involving passenger	An accident	[] High			
air, rail, highway, or water	involving a				
modes of travel resulting in	multi-				
death or injury. Includes	passenger				
school district/school buses,	vessel, either				
commercial buses, trains,	public or				
cruise ships, ferries etc.	private,				
er uise simps, rerries erer	resulting in				
	injuries, loss				
	of life, and				
	,				
	destruction of				
	property and				
	requiring				
	response and				
	rescue by				
	boat.				
	[]Yes				
	[] No				

UNCONTROLLED ANIMAL/INSECT - A domestic or wild animal out of control that exhibits threatening behavior, or inflicts injury or death upon students/staff, or visitors. This includes bee and wasp attacks.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
URBAN FIRE - Uncontrolled burning in residential, commercial, industrial, or other properties in developed areas. An event of such magnitude as to cause serious injuries and deaths and impose severe economic losses to the community. Other structures in the vicinity of the fire may be affected in a variety of ways. Schools may be used as temporary shelters for displaced people.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

HAZARD NAME	HAZARD IDENTIFICATION	V	CONCLUSION		
NOTE: All Hazards marked by an asterisk (*) could be caused by a terrorist event.	1. Could this hazard affect school district/school? If "NO" go down to next hazard. If "YES" complete #2- 5	2. What is the likelihood of the event occurring at, or in the immediate vicinity of 	3. Could school district/school property damage, or loss of use of school district/school property result if this event occurred?	4. Could any person be killed or injured if this event occurred?	5. If you answered "YES" to question #3 or #4, this hazard is significant and must be addressed in your All Hazards Plan.
WATER LOSS OTHER - Includes broken water lines, and contamination due to accidental or intentional introduction of hazardous materials into public water supplies, and wells. All school district/school well heads should be padlocked to reduce risk.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No

WEATHER HAZARDS OTHER - Includes severe cold, winter and summer storms, lightning strikes, and hail. Weather hazards can impact hasty evacuations, emergency response, and sheltering operations.	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
OTHER	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
OTHER	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No
OTHER	[] Yes [] No	[] Low [] Moderate [] High	[] Yes [] No	[] Yes [] No	[] Yes [] No