

Worksheet 5: Hazard Profile

List potential hazards in the community including but not limited to hazardous materials spills, floods, freezing rain/ice storms, forest fires, hurricanes, tornadoes, transportation emergencies (i.e. air, rail or road), snow storms, windstorms, extreme temperature, cyber-attacks, human health emergencies, and energy supply (i.e. pipelines, storage and terminal facilities, electricity, natural gas and oil facilities).

Hazard Profile Risks			
List the hazards in your community and the fire or other emergency risk of each. Assign probability, consequence and risk levels to each risk identified.			
Identified Hazard	Probability (refer to Table 1 for suggested probability levels)	Consequence (refer to Table 2 for suggested consequence levels)	Assigned Risk Level (refer to the Risk Level Matrix for suggested risk levels)
Radiological	Rare	High	Very Low
Extreme Cold	Almost Certain	Low	Low
Cyber Attack	Unlikely	Low	Very Low
High Wind	Likely	Low	Very Low
Substance Use and Overdose	Likely	Low	Very Low
Road and Highway	Certain	Low	Low
Water Quality	Unlikely	Low	Very Low
Tornado	Likely	Medium	Moderate
Electrical Energy Failure	Probable	Medium	Low
Infectious Disease	Probable	Medium	Low

Identified Hazard	Probability (refer to Table 1 for suggested probability levels)	Consequence (refer to Table 2 for suggested consequence levels)	Assigned Risk Level (refer to the Risk Level Matrix for suggested risk levels)
Winter Weather	Certain	Low	Low
Thunder Storm	Certain	Low	Low
Fire/Explosion	Likely	Low	Low
Nuclear (Facility)	Rare	High	Very Low
Extreme Heat	Probable	Low	Very Low
Comms Failure	Unlikely	Low	Very Low
Crowd Disaster	Very Unlikely	Low	Very Low
Lightning	Certain	Low	Very Low
Oil and Natural Gas	Very Unlikely	Low	Very Low
Civil Disorder	Rare	Low	Very Low
Fog	Likely	Low	Very Low

Note: The information on this worksheet should be considered in conjunction with the information on all other worksheets, and not in isolation. Worksheet 10 allows fire departments to consider all of the information on all worksheets together in order to make decisions about the provision of fire protection services in their municipality/community.