

Predator Ridge Community Emergency Management Committee HAZARDS, RISKS AND VULNERABILITIES ASSESSMENT (HRVA) WORKSHEET

Date:

Prepared by:

<p style="text-align: center; color: red; font-weight: bold;">SIX-STEP ANALYSIS PROCEDURE:</p> <p>Table 1</p> <ol style="list-style-type: none"> 1. Select applicable events from List A and B below. 2. Assess probability of occurrence 3. Assess probable severity 4. Assess vulnerability level – Low, Medium or High. 5. Prioritize the selected events for action planning. <p>Table 2 (on reverse)</p> <ol style="list-style-type: none"> 6. Transfer items in priority order to Table 2, identify emergency planning actions, track progress and results. 	<p style="text-align: center; font-weight: bold;">STEP 2—PROBABILITY OF OCCURRENCE</p> <p>Frequent—likely to occur repeatedly Probable—likely to occur several times Occasional—likely to occur sometime Remote— probability of occurrence is extremely low Improbable— not likely to occur</p>
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PROBABLE SEVERITY				STEP 3 SEVERITY RATING
Illness or Injury	Financial Impact	Environmental Impact	Public Image/Reputation	
Fatality or Disability	Long Term Severe >10 yrs	Long Term >1 Generation	Long Term Negative	= Catastrophic
Serious Injury or Illness	Moderate >5 yrs	Medium >10 yrs	Moderate Negative	= Critical
Short Term Injury or Illness	Temporary <2 yrs	Short Term <5 yrs	Short Term Negative	= Marginal
Minor Injury or Illness	No Impact	No Impact	Individual or None	= Negligible

STEP 4—VULNERABILITY LEVEL				
LOW		MEDIUM		HIGH
Remote/Catastrophic	Improbable/Critical	Frequent/Negligible	Frequent/Marginal	Frequent/Catastrophic
Improbable/Catastrophic	Occasional/Marginal	Probable/Negligible	Probable/Marginal	Probable/Catastrophic
Occasional/Critical	Remote/Marginal	Occasion/Negligible		Occasional/Catastrophic
Remote/Critical	Improbable/Marginal	Remote/Negligible		Frequent/Critical
		Improbable/Negligible		Probable/Critical

TABLE 1: HAZARD IDENTIFICATION/RISK AND VULNERABILITY ASSESSMENT

A. HUMAN-CAUSED HAZARDS	STEP 1 SELECT EVENTS (✓)	STEP 2 PROBABLE OCCURRENCE	+	STEP 3 PROBABLE SEVERITY	=	STEP 4 VULNERABILITY (Low, Medium, High)	STEP 5 PRIORITY FOR ACTION →
Airplane/Helicopter Crash (in urban area)	<input type="checkbox"/>						
Environmental Contamination/Oil, Chemical Spills	<input type="checkbox"/>						
Fire (urban structure)	<input type="checkbox"/>						
Forest Fire/Wildfire	<input type="checkbox"/>						
Gas Main Break	<input type="checkbox"/>						
IT/Communications Failure	<input type="checkbox"/>						
Missing Persons (Search & Rescue)	<input type="checkbox"/>						
Pipeline Rupture/Explosion	<input type="checkbox"/>						
Power Outage (prolonged)	<input type="checkbox"/>						
Public Health Epidemic (e.g., influenza pandemic)	<input type="checkbox"/>						
Radiological Accidents	<input type="checkbox"/>						
Blocked Access/Egress	<input type="checkbox"/>						
Structural/Roof Collapse, Building Explosion	<input type="checkbox"/>						
Terrorism/Random Act of Violence/Break & Enter	<input type="checkbox"/>						
Toxic Gas Releases (e.g., H ₂ S, road/rail collision)	<input type="checkbox"/>						
Train Derailment/Collision (e.g., MCI, chemical spill)	<input type="checkbox"/>						
Water Main Break/Water Contamination/Shortage	<input type="checkbox"/>						
Others (e.g., bridge collapse)	<input type="checkbox"/>						
B. NATURALLY-CAUSED HAZARDS							
Animal Diseases/Attacks	<input type="checkbox"/>						
Blizzards/ Snowstorms/Ice-storm/Avalanche	<input type="checkbox"/>						
Cold Weather (prolonged/extreme)	<input type="checkbox"/>						
Drought	<input type="checkbox"/>						
Lightning (injuries, fire)	<input type="checkbox"/>						
Major Wind/Hailstorm/Tornado	<input type="checkbox"/>						
Plant Diseases/Pest Infestation	<input type="checkbox"/>						
Rainfall/Run-off Flooding/Landslide	<input type="checkbox"/>						
Watercourse Flooding	<input type="checkbox"/>						
Others (e.g., earthquake, volcano, tsunami)	<input type="checkbox"/>						

TABLE 2: HRVA FOLLOW UP RISK REDUCTION ACTIVITY REPORT



STEP 6—PRIORITIES FOR ACTION (in priority order from Step 5)	ACTIONS AND COMMENTS (Prevention/Mitigation, Preparedness, Response, Recovery)	ACTION ASSIGNED TO	ACTION DUE DATE	COMPLETION DATE	APPROVED BY
1.					
2.					
3.					
4.					
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15.					

* For further explanation or demonstration of the HRVA process, contact [Priority Solutions & Training Group Inc.](#) (1-877-454-8949 toll free).