

**SECTION 8 – PREVENTION, MITIGATION & PREPAREDNESS**

**STURGEON REGIONAL  
EMERGENCY MANAGEMENT PLAN**

Table 8-1: Regional HRVA – Top 10 Risks

Category	THREAT	RISK RATING (Risk = likelihood x impact final, HIGHER numeric value = greater risk)					
		Bon Accord	Gibbons	Legal	Morinville	Redwater	Sturgeon County
Natural	Forest Fire/Wildfire/Grassfire	4	6	10	6	12	20
Natural	Tornado or Severe Windstorm (F3)	9	2	12	16	5	8
Natural	Pandemic/Infectious Disease Outbreak	10	2	12	9	4	15
Natural	Blizzards/Massive Snowstorms/Ice Storms	9	8	9	12	12	9
Natural	Drinking Water Emergency/Water Contamination	12	4	12	6	8	3

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Table 8-1: Regional HRVA – Top 10 Risks (cont'd)

Category	THREAT	RISK RATING (Risk = likelihood x impact final, HIGHER numeric value = greater risk)					
		Bon Accord	Gibbons	Legal	Morinville	Redwater	Sturgeon County
Human-Caused	Hazardous Material Transportation Accident- e.g. environmental contamination, chemical spill	15	12	8	15	5	20
Human-Caused	Major Road Accident (Truck/bus) non-TDG	9	6	12	12	2	16
Human-Caused	Active Shooter Incident	5	3	15	12	10	10
Human-Caused	Major Fire/Building Explosion	15	4	8	12	12	8

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Category	THREAT	RISK RATING (Risk = likelihood x impact final, HIGHER numeric value = greater risk)					
		Bon Accord	Gibbons	Legal	Morinville	Redwater	Sturgeon County
Human-Caused	Loss of Natural Gas e.g. Major or Minor Gas Line Break	3	2	8	12	8	15
Human-Caused	Cyber Attack - sabotage (business services unavailable > 48 hrs)	12	5	12	12	0	12
Human-Caused	Pipeline spill or release (oil)	2	2	9	12	5	8
Human-Caused	Train Derailment	1	6	1	6	3	12

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