

HAZARDS AND THREATS

December 2021

NATURAL HAZARDS

GEOLOGICAL HAZARDS

1. Acidic Soils – includes rock slides
2. Debris Flow/Landslide
3. Earthquake
4. Expansive Soil
5. Geochemical
6. Sinkholes
7. Subsidence
 - a) Mine Collapse

COASTAL HAZARDS

1. Storm surge (Hurricane)
2. Over-wash (Hurricane)
3. Over-wash (Nor'easter)
4. Coastal erosion
5. Tsunami
6. Rip Currents
7. Coastal flooding

INFECTIOUS DISEASE AND NATURAL BIOLOGICAL HAZARDS

1. HIV/AIDS
2. STDs
3. Foot and Mouth Disease
4. Exotic Newcastle Disease
5. SARS
6. Tuberculosis
7. Avian Influenza
8. Salmonella
9. Shiga toxin
10. West Nile Virus
11. Rocky Mountain Spotted Fever
12. Lyme Disease
13. Cryptosporidiosis
14. Legionella
15. Foreign Animal Disease (SEOP Annex B, Appendix 4)
16. Anthrax
17. Smallpox
18. Food Contamination (SEOP, Annex B, Appendix 9)
19. Crop Disease

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METEOROLOGICAL AND ENVIRONMENTAL

1. Drought
2. Fog
3. High winds
 - a) Hurricane
 - b) Nor'easter
 - c) Severe thunderstorm
4. Excessive Heat
5. Severe Thunderstorm
 - a) Tornado
 - b) Hail the size of 1 inch or larger
 - c) Winds of at least 58 mph
6. Hurricane
 - a) High winds
 - b) Storm surge
 - c) Coastal flooding and inundation
 - d) High wave action
 - e) Beach erosion
 - f) Excessive rainfall
 - g) Inland river and valley flooding
 - h) Surf zone rip currents
7. Tornadoes; Waterspout
8. Lightning
9. Wildfire
10. Winter Weather
 - a) Nor'easter
 - b) Blizzard (Severe winter weather)
 - c) Extreme Cold
 - d) Freezing Rain (Severe winter weather)
 - e) Ice Storm (Severe winter weather - includes freezing rain and sleet)
 - f) Snowstorm (Severe winter weather)
 - g) Wind chill (Severe winter weather)

NON-COASTAL FLOODING

1. Flash floods; includes Torrential rain and Severe Thunderstorm
2. Riverine flooding; includes Torrential rain and Severe Thunderstorm
3. Urban flooding; includes Torrential rain and Severe Thunderstorm
4. Inland flooding/ponding

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TECHNICAL HAZARDS

HAZARD MATERIAL RELEASES

1. Chemical Release/Spill
2. Explosives, Accidental
3. Hazardous Materials Spills
4. Oil Spill
5. Radiological/Nuclear Release
 - a) Fixed Nuclear Facility
 - b) Other (to include industrial/medical)

OTHER MAN-MADE HAZARDS

1. Gang Activity – includes drug activity
2. Pollution
3. Dam failure
4. Fire
5. Fuel Shortage

TERRORISM

1. Chemical
2. Biological
 - a) Bio-Terrorism
 - i. Food Contamination
 - ii. Agri-Terrorism
3. Radiological
 - a) Radiological Device
4. Nuclear
5. Explosives
 - a) Vehicle Borne IED
 - b) IED
6. Cyber-terrorism
7. Aircraft as weapon
8. Arson/Incendiary attack
9. Conventional Attack
10. Sabotage
11. Hostage Taking/Assassination
12. Maritime Attack
 - a) Boat as weapon
 - b) Piracy
13. Electromagnetic Pulse (EMP) Attack

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OTHER POTENTIAL HAZARDS (NCEM INTERNAL ONLY)

1. Solar flare/electro-magnetic pulse
2. Sea level rise
3. Espionage
4. Economic/financial
5. Nano-technology
6. Global weather pattern shifts
7. Red tide
8. Extraterrestrial debris