

1.1 Risk Matrix

Considerations

- People
- Continuity of Operation Plan (COOP)
- Environmental
- Budget

Severity Definitions

1. Insignificant
 - a) No first aid required injury/illness
 - b) No lost work time
 - c) None to very limited operational impact, less than 1 hour
 - d) None to minimal equipment loss less than 1 day out of service
 - e) No environmental impact
 - f) None to minimal budget impact
2. Minor
 - a) Injury/illness, first aid required
 - b) Little to no lost work time, less than 2 days (16 hours)
 - c) None or very limited operational impact, less than 4 hours
 - d) None to minimal equipment loss less than 2 days out of service
 - e) Contained with none to limited impact
 - f) Minimal budget impact
3. Major
 - a) Injury/illness 1 to 5 persons
 - b) Death less than 2 persons
 - c) Lost work time less than 1 week (40 hours)
 - d) Loss of total operations less than 2 hours
 - e) Loss of partial operations less 1 day, (24 hours)
 - f) Equipment loss less than a week
 - g) Non-contained but manageable/mitigated within 1 day
 - h) Moderate budget impact
4. Hazardous
 - a) Injury/illness 6 to 49 people
 - b) Death less than 5 persons, not Mass Casualty Incident (MCI)
 - c) Lost work time 1 week to 1 month
 - d) Loss of total operation 2 to 12 hours
 - e) Partial loss of operation 48 hours or less
 - f) Equipment loss less than 30 days
 - g) Non-contained, resulting in environmental impact 1 to 30 days
 - h) Serious budget impact

5. Catastrophic
 - a) Injury/illness greater than 50 persons
 - b) Death greater than 5 persons, MCI
 - c) Lost work time greater than one month
 - d) Loss of total operation 12+ hours
 - e) Loss of partial operations greater than 48 hours
 - f) Total loss of equipment
 - g) Non-contained, long term impact 30+ days
 - h) Grave budget impact

Probability Definitions

1. Extremely Improbable
 - a) Almost impossible
 - b) Possibly only once in 10 to 100 years
2. Extremely Remote
 - a) Conceivable but highly unlikely
 - b) Possibly once in every 5 to less than 10 years
3. Remote
 - a) Possibly once a year or multiple times from 1 year to or less than 5 years
 - b) Unlikely but possible to occur
4. Probable
 - a) Likely to occur multiple times per year or once per month
 - b) Regularly expected to occur in the system
5. Frequent
 - a) Likely to occur once a day or multiple times per week
 - b) Continuously expected to occur in the system