

Risk Analysis

Your BCP should examine each potential environmental disaster or emergency situation including, but not limited to, organized disruption (i.e. human cause); loss of utilities and services disruption; equipment or system failure; serious information security incidents; and any other disruption caused by other emergency situations not already covered.

Each of the above potential threats, as well as any others that might be unique to the individual department or function, must be examined in detail and an analysis developed to evaluate the consequences of each. Each scenario should also be assessed for possibility or occurrence (probability rating), possible impact (impact rating) and any compensating controls that are in place. Compensating Controls are internal controls that compensate for risk.

PROBABILITY RATING		IMPACT RATING	
SCORE	LEVEL	SCORE	LEVEL
1	VERY LOW	1	IRRITATING
2	LOW	2	CONTROLLABLE
3	MEDIUM	3	CRITICAL
4	HIGH	4	DEVASTATING
5	VERY HIGH	5	TERMINAL

Formula for calculating potential risk:

Probability Rating x Impact Rating = Risk

Scale of Risk

1 < 13 < 25
Low Risk Moderate Risk High Risk

If you would like assistance in conducting a Risk Analysis in your department please do not hesitate in calling Gayle Cantrell at 409-772-5234.

Environmental Disasters

Potential environmental disasters have been assessed as follows:

POTENTIAL DISASTER	PROBABILITY RATING (SEE TABLE BELOW)	BRIEF DESCRIPTION OF COMPENSATING CONTROLS	*IMPACT RATING (SEE TABLE BELOW)	RISK RATING PROBABILITY x IMPACT =	BRIEF DESCRIPTION OF POTENTIAL CONSEQUENCES
Hurricane					
Tornado					
Flood					
Electrical Storms					
Fire					
Freezing Conditions					

POTENTIAL DISASTER	PROBABILITY RATING (SEE TABLE BELOW)	BRIEF DESCRIPTION OF COMPENSATING CONTROLS	*IMPACT RATING (SEE TABLE BELOW)	RISK RATING PROBABILITY x IMPACT =	BRIEF DESCRIPTION OF POTENTIAL CONSEQUENCES
Contamination and Environmental Hazards					
Epidemic					

PROBABILITY RATING		IMPACT RATING	
SCORE	LEVEL	SCORE	LEVEL
1	VERY LOW	1	IRRITATING
2	LOW	2	CONTROLLABLE
3	MEDIUM	3	CRITICAL
4	HIGH	4	DEVASTATING
5	VERY HIGH	5	TERMINAL

*Impact Rating should take into consideration compensating controls that have been implemented to lessen the severity of event.

Organized and / or Deliberate Disruption

Potential disasters resulting from 'organized disruption' have been assessed as follows:

POTENTIAL DISASTER	PROBABILITY RATING (SEE TABLE BELOW)	BRIEF DESCRIPTION OF COMPENSATING CONTROLS	*IMPACT RATING (SEE TABLE BELOW)	RISK RATING PROBABILITY x IMPACT =	BRIEF DESCRIPTION OF POTENTIAL CONSEQUENCES
Acts of Terrorism					
Acts of Sabotage					
Act of War					
Theft					
Arson					

(Use cut and paste facility to add further entries)

PROBABILITY RATING		IMPACT RATING	
SCORE	LEVEL	SCORE	LEVEL
1	VERY LOW	1	IRRITATING
2	LOW	2	CONTROLLABLE
3	MEDIUM	3	CRITICAL
4	HIGH	4	DEVASTATING
5	VERY HIGH	5	TERMINAL

*Impact Rating should take into consideration compensating controls that have been implemented to lessen the severity of event.

Loss of Utilities and Services

Potential disasters as a result of loss of utilities and services have been assessed as follows:

POTENTIAL DISASTER	PROBABILITY RATING (SEE TABLE BELOW)	BRIEF DESCRIPTION OF COMPENSATING CONTROLS	*IMPACT RATING (SEE TABLE BELOW)	RISK RATING PROBABILITY x IMPACT =	BRIEF DESCRIPTION OF POTENTIAL CONSEQUENCES
Electrical Power					
Loss of Gas Supply					
Loss of Water Supply					
Petroleum and Oil Shortage					
Communications Services Breakdown					
Loss of Drainage/Waste Removal					

Equipment or System Failure

Potential disasters as a result of equipment or system failure have been assessed as follows:

POTENTIAL DISASTER	PROBABILITY RATING (SEE TABLE BELOW)	BRIEF DESCRIPTION OF COMPENSATING CONTROLS	*IMPACT RATING (SEE TABLE BELOW)	RISK RATING PROBABILITY x IMPACT =	BRIEF DESCRIPTION OF POTENTIAL CONSEQUENCES
Internal Power Failure					
Air Conditioning Failure					
Equipment Failure (excluding IT hardware)					

PROBABILITY RATING		IMPACT RATING	
SCORE	LEVEL	SCORE	LEVEL
1	VERY LOW	1	IRRITATING
2	LOW	2	CONTROLLABLE
3	MEDIUM	3	CRITICAL
4	HIGH	4	DEVASTATING
5	VERY HIGH	5	TERMINAL

*Impact Rating should take into consideration compensating controls that have been implemented to lessen the severity of event.

Serious Information Security Incidents

Potential disasters as a result of serious Information Security incidents have been assessed as follows:

POTENTIAL DISASTER	PROBABILITY RATING (SEE TABLE BELOW)	BRIEF DESCRIPTION OF COMPENSATING CONTROLS	*IMPACT RATING (SEE TABLE BELOW)	RISK RATING PROBABILITY x IMPACT =	BRIEF DESCRIPTION OF POTENTIAL CONSEQUENCES
Cyber Crime					
Loss of Records or Data					
Disclosure of Sensitive Information					
IT System Failure					

PROBABILITY RATING		IMPACT RATING	
SCORE	LEVEL	SCORE	LEVEL
1	VERY LOW	1	IRRITATING
2	LOW	2	CONTROLLABLE
3	MEDIUM	3	CRITICAL
4	HIGH	4	DEVASTATING
5	VERY HIGH	5	TERMINAL

*Impact Rating should take into consideration compensating controls that have been implemented to lessen the severity of event.

Other Emergency Situations

Other potential emergency situations have been assessed as follows:

POTENTIAL DISASTER	PROBABILITY RATING (SEE TABLE BELOW)	BRIEF DESCRIPTION OF COMPENSATING CONTROLS	*IMPACT RATING (SEE TABLE BELOW)	RISK RATING PROBABILITY x IMPACT =	BRIEF DESCRIPTION OF POTENTIAL CONSEQUENCES
Workplace Violence					
Neighborhood Hazards					
Island Accessible					

PROBABILITY RATING		IMPACT RATING	
SCORE	LEVEL	SCORE	LEVEL
1	VERY LOW	1	IRRITATING
2	LOW	2	CONTROLLABLE
3	MEDIUM	3	CRITICAL
4	HIGH	4	DEVISTATING
5	VERY HIGH	5	TERMINAL

*Impact Rating should take into consideration compensating controls that have been implemented to lessen the severity of event.