

HAZARD ANALYSIS SUMMARY

SMMC Long Beach

HAZARDOUS MATERIALS  
YEAR: 2015

EVENT	PROBABILITY	SEVERITY = (MAGNITUDE - MITIGATION)						RISK
		HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED-NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	
	<i>Likelihood this will occur</i>	<i>Possibility of death or injury</i>	<i>Physical losses and damages</i>	<i>Interruption of services</i>	<i>Preplanning</i>	<i>Time, effectiveness, resources</i>	<i>Community/ Mutual Aid staff and supplies</i>	<i>Relative threat*</i>
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 - 100%
Mass Casualty Hazmat Incident (From historic events at your MC with >= 5 victims)	2	2	1	1	1	1	1	26%
Small Casualty Hazmat Incident (From historic events at your MC with < 5 victims)	3	2	2	2	1	1	1	50%
Chemical Exposure, External	3	2	1	1	1	1	1	39%
Small-Medium Sized Internal Spill	2	1	1	1	2	2	2	33%
Large Internal Spill	1	1	1	1	2	2	2	17%
Terrorism, Chemical	2	3	1	2	1	2	2	41%
Radiologic Exposure, Internal	1	1	1	1	2	2	2	17%
Radiologic Exposure, External	1	1	1	1	2	2	2	17%
Terrorism, Radiologic	1	2	1	2	2	2	2	20%
<b>AVERAGE</b>	<b>1.78</b>	<b>1.67</b>	<b>1.11</b>	<b>1.33</b>	<b>1.56</b>	<b>1.67</b>	<b>1.67</b>	<b>30%</b>

2.00

2

2

\*Threat increases with percentage.

<b>RISK = PROBABILITY * SEVERITY</b>		
<b>0.30</b>	<b>0.59</b>	<b>0.50</b>

HAZARD ANALYSIS SUMMARY

SMMC Long Beach

HUMAN HAZARDS

YEAR: 2015



EVENT	SEVERITY = (MAGNITUDE - MITIGATION)							RISK
	PROBABILITY	HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED-NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	
	<i>Likelihood this will occur</i>	<i>Possibility of death or injury</i>	<i>Physical losses and damages</i>	<i>Interruption of services</i>	<i>Preplanning</i>	<i>Time, effectiveness, resources</i>	<i>Community/ Mutual Aid staff and supplies</i>	
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 - 100%
Mass Casualty Incident (trauma)	3	2	1	2	1	2	2	56%
Mass Casualty Incident (medical/infectious)	3	2	1	1	2	2	2	56%
Terrorism, Biological	2	2	1	1	2	2	2	37%
VIP Situation	1	1	1	1	3	2	2	19%
Infant Abduction	2	1	1	1	2	2	2	33%
Hostage Situation	2	2	1	2	2	2	2	41%
Civil Disturbance	2	2	2	2	2	2	2	44%
Active Shooter Threat	3	3	1	3	2	2	2	72%
Bomb Threat	2	2	2	2	2	2	2	44%
<b>AVERAGE</b>	<b>2.22</b>	<b>1.89</b>	<b>1.22</b>	<b>1.67</b>	<b>2.00</b>	<b>2.00</b>	<b>2.00</b>	<b>40%</b>

\*Threat increases with percentage.

<b>RISK = PROBABILITY * SEVERITY</b>		
<b>0.40</b>	<b>0.67</b>	<b>0.60</b>



**HAZARD ANALYSIS SUMMARY- St. Mary Medical Center Long Beach**  
**NATURAL HAZARDS**  
**YEAR: 2015 HAZARD VULNERABILITY ANALYSIS**

EVENT	PROBABILITY <i>Likelihood this will occur</i>	SEVERITY = (MAGNITUDE - MITIGATION)						RISK <i>Relative threat*</i>
		HUMAN IMPACT <i>Possibility of death or injury</i>	PROPERTY IMPACT <i>Physical losses and damages</i>	BUSINESS IMPACT <i>Interruption of services</i>	PREPARED-NESS <i>Preplanning</i>	INTERNAL RESPONSE <i>Time, effectiveness, resources</i>	EXTERNAL RESPONSE <i>Community/ Mutual Aid staff and supplies</i>	
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 - 100%
Hurricane	1	1	1	1	3	3	1	19%
Tornado	1	1	1	1	3	3	1	19%
Severe Thunderstorm	2	2	2	2	1	1	1	33%
Snow Fall	0	0	0	0	0	0	0	0%
Blizzard	0	0	0	0	0	0	0	0%
Ice Storm	0	0	0	0	0	0	0	0%
Earthquake	3	3	3	3	2	2	2	83%
Tidal Wave	2	1	1	1	3	2	1	33%
Temperature Extremes	2	1	1	1	2	2	1	30%
Drought	2	1	1	1	2	2	1	30%
Flood, External	3	1	2	2	2	2	1	56%
Wild Fire	0	0	0	0	0	0	0	0%
Landslide	0	0	0	0	0	0	0	0%
Dam Inundation	0	0	0	0	0	0	0	0%
Volcano	0	0	0	0	0	0	0	0%
Epidemic	2	3	1	2	1	2	1	37%
Wildland Fire	0	0	0	0	0	0	0	0%
<b>AVERAGE SCORE</b>	<b>1.06</b>	<b>0.82</b>	<b>0.76</b>	<b>0.82</b>	<b>1.12</b>	<b>1.12</b>	<b>0.59</b>	<b>12%</b>

\*Threat increases with percentage.

<b>RISK = PROBABILITY * SEVERITY</b>
<b>0.12                  0.38                  0.31</b>



**HAZARD ANALYSIS SUMMARY- SMMC Long Beach  
TECHNOLOGIC EVENTS  
YEAR: 2015**

EVENT	PROBABILITY	SEVERITY = (MAGNITUDE - MITIGATION)						RISK
		HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	PREPARED-NESS	INTERNAL RESPONSE	EXTERNAL RESPONSE	
	<i>Likelihood this will occur</i>	<i>Possibility of death or injury</i>	<i>Physical losses and damages</i>	<i>Interuption of services</i>	<i>Preplanning</i>	<i>Time, effectiveness, resouces</i>	<i>Community/ Mutual Aid staff and supplies</i>	<i>Relative threat*</i>
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 = N/A 1 = High 2 = Moderate 3 = Low or none	0 - 100%
Electrical Failure	2	1	1	2	1	2	2	33%
Generator Failure	2	1	1	2	2	2	2	37%
Fuel Shortage	1	1	1	2	2	2	2	19%
Natural Gas Failure	2	1	1	2	2	2	2	37%
Water Failure	2	1	2	2	2	2	2	41%
Sewer Failure	2	1	1	2	3	2	3	44%
Steam Failure	2	1	1	2	3	2	2	41%
Fire Alarm Failure	2	1	1	2	2	2	2	37%
Communications Failure	2	1	1	1	2	2	2	33%
Medical Gas Failure	2	1	1	2	2	2	2	37%
Medical Vacuum Failure	2	1	1	1	2	2	2	33%
HVAC Failure	2	1	1	1	2	2	2	33%
Information Systems	2	2	1	2	2	2	2	41%
Fire, Internal	2	1	2	2	2	2	2	41%
Flood, Internal	2	1	2	2	2	2	2	41%
Hazmat Exposure, Internal	2	3	2	2	1	2	1	41%
Supply Shortage	1	1	1	2	1	2	1	15%
Structural Damage	2	1	1	2	2	2	2	37%
Elevator Failure	2	1	1	2	2	2	2	37%
Helipad Event	2	2	1	2	2	2	1	37%
<b>AVERAGE SCORE</b>	<b>1.90</b>	<b>1.20</b>	<b>1.20</b>	<b>1.85</b>	<b>1.95</b>	<b>2.00</b>	<b>1.90</b>	<b>39%</b>

\*Threat increases with percentage.