

1 Problem

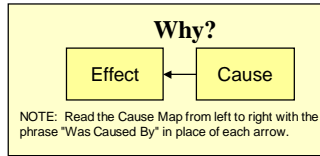
What	Problem(s)	Fatality, carbon monoxide exposure, flue gas pipe failure
When	Date	February 22, 2014
	Time	~5:30PM
	Different, unusual, unique	NA
Where	Facility, site	Seafood Restaurant
	Unit, area, equipment	NA
	Task being performed	Normal business

Impact to the Goals

Safety	1 fatality, 27 people hospitalized
Environmental	None
Customer Service	Impact to customers
Regulatory	None
Production/ Schedule	Restaurant closed, time?
Property/ Equipment	None
Labor/ Time	?

Frequency: 400 deaths per year in US due to carbon monoxide poisoning; 20,000 hospital visits due to carbon monoxide poisoning annually

Restaurant Carbon Monoxide Fatality



Cause Mapping is a Root Cause Analysis method that captures basic cause-and-effect relationships supported with evidence.

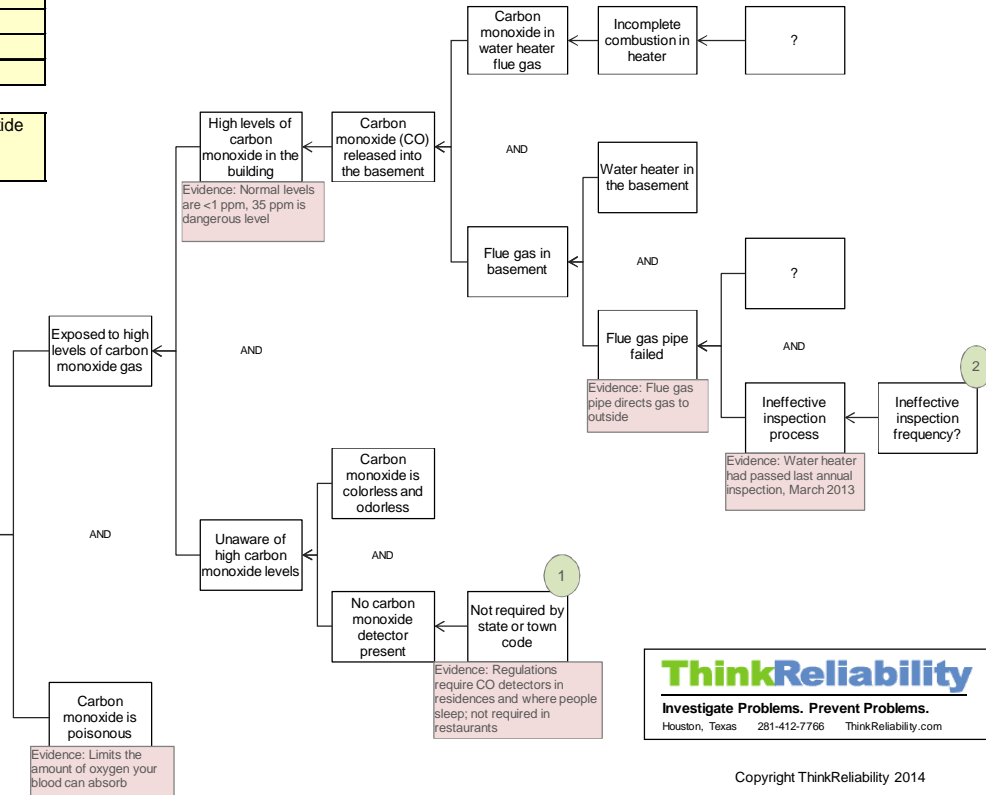
CAUSE MAPPING

Problem Solving • Incident Investigation • Root Cause Analysis

- Step 1 Problem** - What's the Problem?
- Step 2 Analysis** - Why did it happen?
- Step 3 Solutions** - What will be done?

2 Analysis

Safety Goal Impacted
1 fatality, 27 people hospitalized



3 Solutions

No.	Action Item	Cause
1	Require carbon monoxide detectors in restaurants	Not required by state or town code
2	Increase inspection frequency	Ineffective inspection frequency?

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