

1 Problem

What	Problem(s)	Fatal crane collapse
When	Date	February 5, 2016
	Time	~8:30 AM
	Different, unusual, unique	Accelerating winds
Where	Facility, site	New York City, NY
	Unit, area, equipment	Crawler crane
	Task being performed	Securing crane due to wind speed

Impact to the Goals

Safety	1 death, 3 injuries
Environmental	Water leaks
Customer Service	Closures in area
Regulatory	?
Production/ Schedule	418 cranes secured in area
Property/ Equipment	Damage to crane, 2 city blocks
Labor/ Time	Response, removal of damaged crane

Frequency: 13 fatal crane accidents investigated by OSHA in the past 5 years

CRANE COLLAPSE KILLS ONE Cause Map

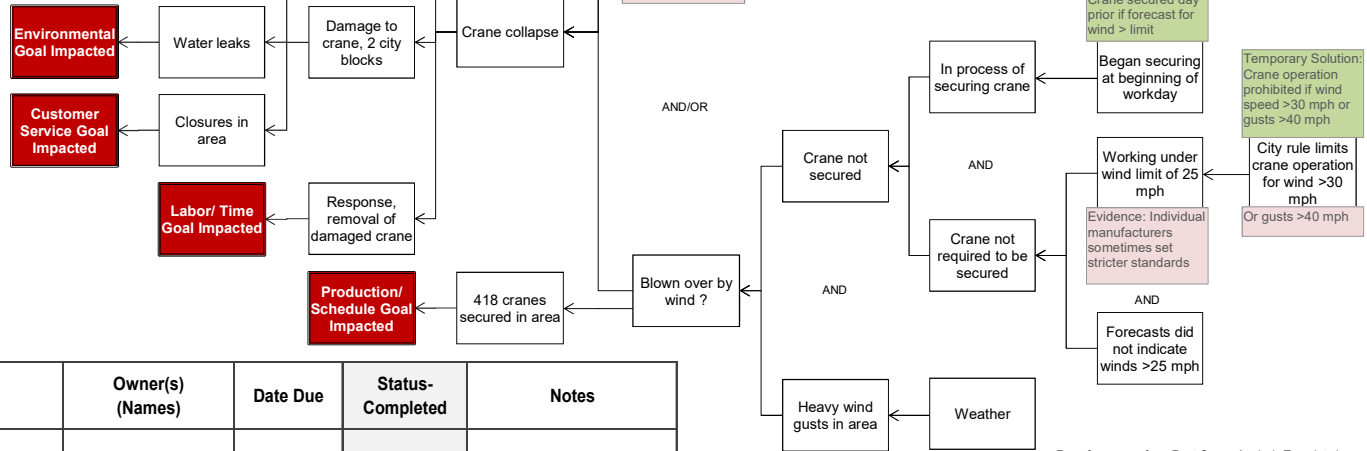
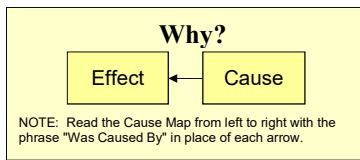
Workers were in process of securing crane on windy day

A crane that collapsed in New York City February 5, 2016 killed one, injured three, and damaged two city blocks. While an investigation is underway and the causes of the crane collapse have not yet been determined, the city has already implemented new rules to make crane operations safer.

"No building is worth a person's life. We have a responsibility to keep the men and women who are building New York City safe. We are ramping up inspections and oversight to make sure that our workers have added protections. We do not accept any loss of life in this business as inevitable or acceptable."
- New York City Mayor Bill de Blasio

2 Analysis

Detailed Cause Map - Add detail as information becomes available.



3 Solutions

No.	Action Item	Cause	Owner(s) (Names)	Date Due	Status-Completed	Notes
1	Uniformed personnel will help enforce closings related to crane use	Area secured by construction workers	City			Announced by mayor; in effect until task force recommends long-term restrictions in 90 days
2	Crane secured day prior if forecast for wind > limit	Began securing at beginning of workday	Crane operators; enforced by city (city sweep & increase in fines implemented)	Immediate	In effect	
3	Crane operation prohibited if wind speed >30 mph or gusts >40 mph	City rule limits crane operation for wind >30 mph				

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