

# 1 Problem

<b>What</b>	Problem(s)	Worker fall, death
<b>When</b>	Date	January 19, 2015 (fall)
	Time	?
<b>Where</b>	Different, unusual, unique	Working in extremely difficult conditions
	Facility, site	Fukushima Daiichi
	Unit, area, equipment	Empty 10-m tall water storage tank
	Task being performed	Testing for leaks

## Impact to the Goals

<b>Safety</b>	Worker death
<b>Environmental</b>	None; issues not radiation-related
<b>Worker Services</b>	Difficult working conditions
<b>Regulatory</b>	Concern of local organizations
<b>Production/ Schedule</b>	?
<b>Property/ Equipment</b>	?
<b>Labor/ Time</b>	Huge increase in number of workers at site

Frequency: 55 accidents during the last fiscal year

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

<b>Step 1</b>	<b>Problem</b>	What's the Problem?
<b>Step 2</b>	<b>Analysis</b>	Why did it happen?
<b>Step 3</b>	<b>Solutions</b>	What will be done?

# 3 Solutions

A new site will provide meals and rest for workers., hoping to decrease incidents caused by fatigue or a lack of concentration. In addition to improving working conditions, the site is implementing improved worker training - and looking at discharging wastewater instead of storing it, which would reduce the pieces of equipment required to be monitored and maintained. Improvements must be made, because decades of work remains before work at the site will be completed.

# WORKER CONDITIONS RAISE CONCERN AT FUKUSHIMA DAIICHI

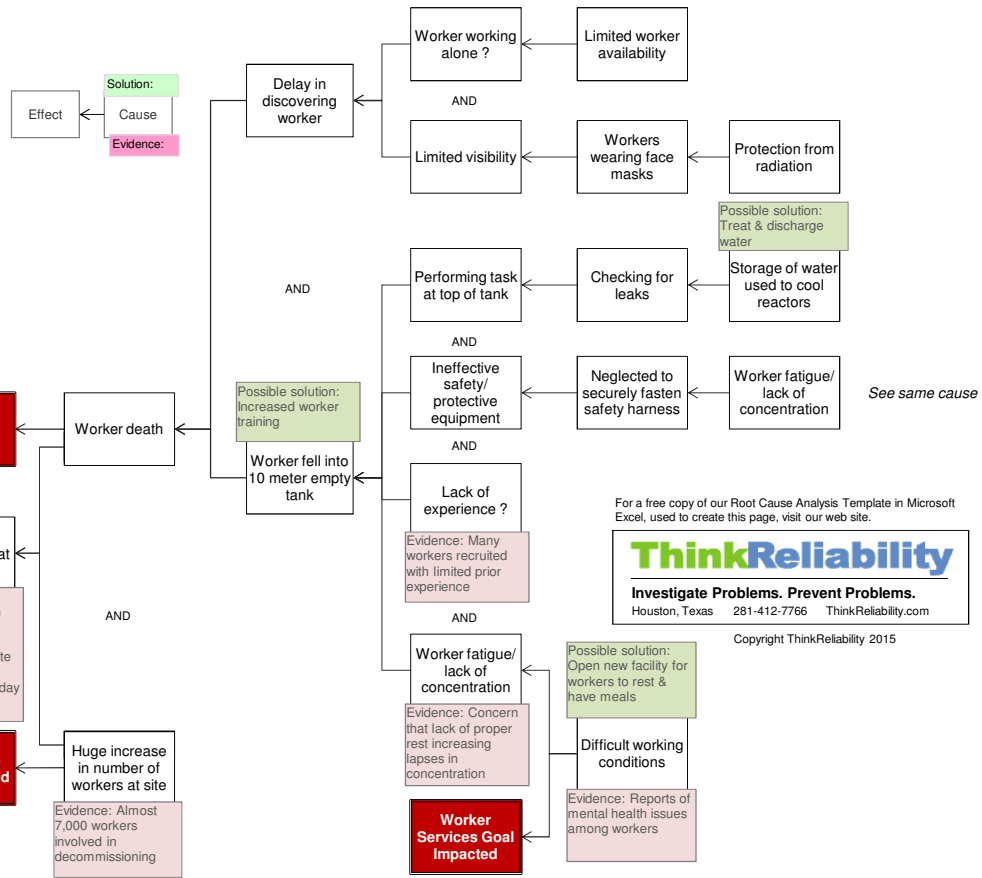
Cause Map

On January 16, 2015, the local labor bureau instructed the utility that owns the plants to reduce industrial accidents. (The site experienced 23 accidents in fiscal year 2013 and 55 so far this fiscal year.) Three days later, on January 19, a worker fell into a water storage tank and was taken to the hospital. He died the next day

"It's not just the number of accidents that has been on the rise. It's the serious cases, including deaths and serious injuries that have risen, so we asked Tokyo Electric to improve the situation."

- Katsuyoshi Ito, local labor standards inspector

# 2 Analysis



For a free copy of our Root Cause Analysis Template in Microsoft Excel, used to create this page, visit our web site.

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