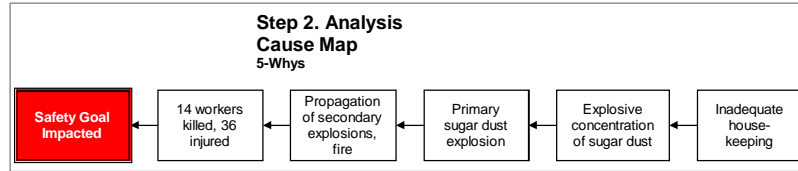


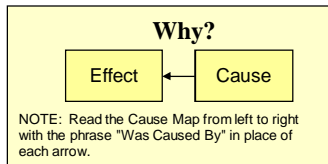
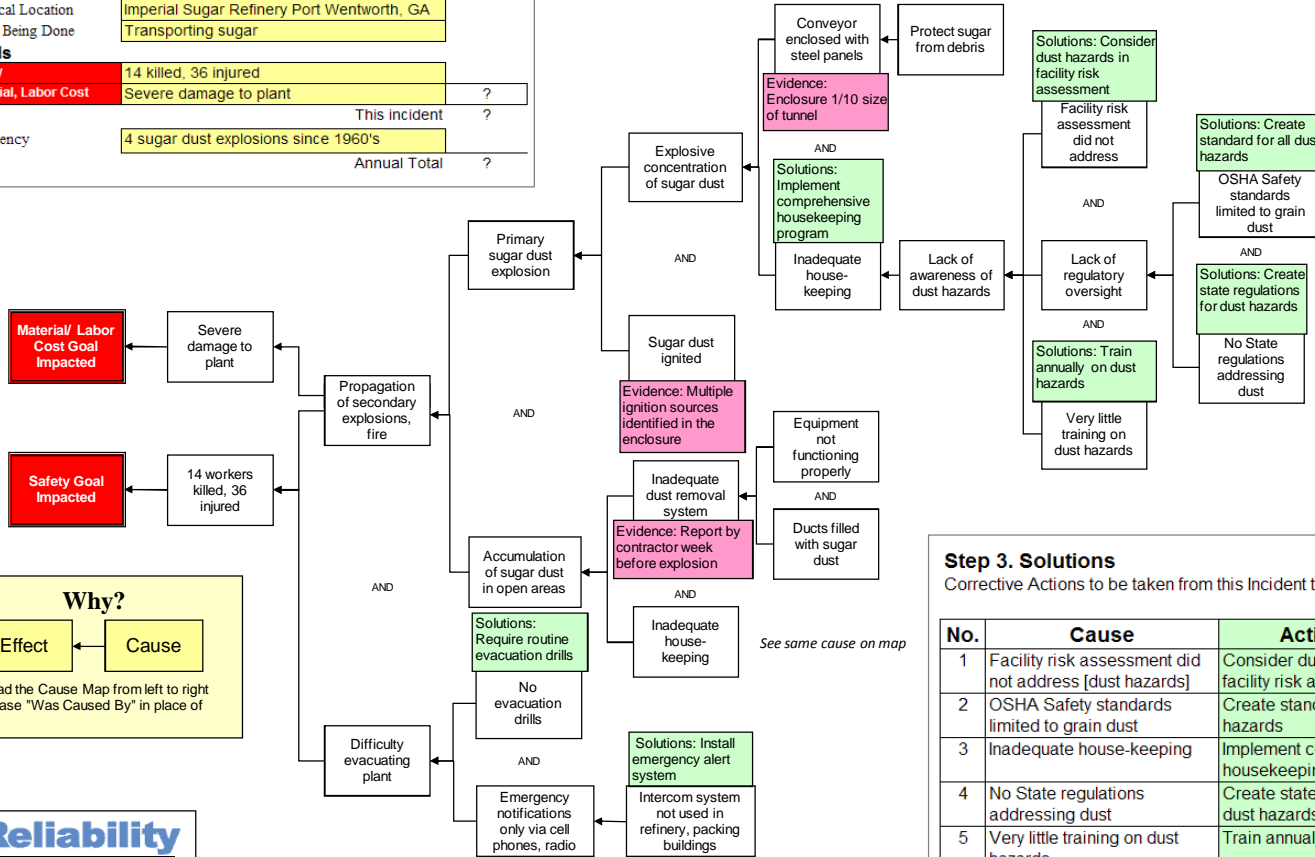
**Sugar Dust Explosion
Port Wentworth, GA
February 7, 2008**

Step 1. Outline the Problem

What	Problem(s)	Dust explosion, fire
When	Date	February 7, 2008
	Time	7:15 p.m.
	Differences	Conveyor enclosed with steel panels
Where	Physical Location	Imperial Sugar Refinery Port Wentworth, GA
	Work Being Done	Transporting sugar
Impact to the Goals		
	Safety	14 killed, 36 injured
	Material, Labor Cost	Severe damage to plant
		This incident ?
	Frequency	4 sugar dust explosions since 1960's
		Annual Total ?



**Cause Map
Detail Level**



Step 3. Solutions
Corrective Actions to be taken from this Incident that are Causally Related

No.	Cause	Action Item	Owner
1	Facility risk assessment did not address [dust hazards]	Consider dust hazards in facility risk assessment	Risk assessors
2	OSHA Safety standards limited to grain dust	Create standard for all dust hazards	OSHA
3	Inadequate house-keeping	Implement comprehensive housekeeping program	Imperial Sugar
4	No State regulations addressing dust	Create state regulations for dust hazards	State of Georgia
5	Very little training on dust hazards	Train annually on dust hazards	Imperial Sugar
6	No evacuation drills	Require routine evacuation drills	Imperial Sugar
7	Intercom system not used in refinery, packing buildings	Install emergency alert system	Imperial Sugar

