

Step 1. Outline

What When	Problem(s)	Release of chemicals
	Date	May 11, 2011
	Time	After 5 p.m.
Where	Different, unusual, unique	Loss of power on main line to the plant
	State, city	Oregon
	Facility, site	Titanium parts plant
	Task being performed	Pulling engine part out of dilute acid bath
Impact to the Goals	Safety	No injuries
	Environmental	Release of nitrogen dioxide, hydrofluoric acid
	Community Relations	Neighbors ordered to shelter in place
	Property, Equip, Mtls	Loss of aircraft engine part
	Production-Schedule	Evacuation of workers
	Labor, Time	Evacuation of workers

**Release of Chemicals at a Manufacturing Facility
Oregon
May 11, 2011**

Step 2. Cause Map

