

Step 1. Outline

Define the Problem

What	Problem(s)	Water Pollution
When	Date	Ongoing
	Different, unusual, unique	Aging sewage systems
Where	State, city	Across U.S.
	Task being performed	Treating wastewater

Impact to the Goals

Safety	Up to 20 million people become ill
Environmental	Untreated sewage in waterways
Cust. Service	Sewage backups into <400,000 basements
	Sewage spills onto thousands of roads
Production-Schedule	?
Property, Equip, MtIs	?
Labor, Time	?

This incident ?

Frequency In 3 years, 9,400 sewage systems have reported dumping untreated or partly treated waste

Annualized Cost ?

Water Pollution from Sewer Systems Ongoing, U.S.

Step 3. Action Items

Determine Solutions

No.	Action Item	Cause	Owner
1	Divert rainwater into separate system	Systems combine sewage and rainwater	Municipality
2	Stimulus bills for water system upgrades	Decreased federal money for water systems	Federal Government
3	Add landscaped areas to absorb water	Reduced capacity to absorb rainwater	Municipality
4	Zone in green spaces	Lack of green spaces	Municipality
5	Quickly remove debris	Leaves, other debris in system	Municipality

Step 2. Cause Map

Root Cause Analysis

