Introduction of an ISO 14000 Environmental Management Plan for ACME

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http://thinkfirstfresh.blogspot.com/2012/05/iso-14001-certification.html

### What is an ISO 14000 plan?

- The ISO 14000 is an environmental management plan that helps companies set goals to reduce their environmental damage through several different methods
- No set requirements that must be met in the process; it's a framework system for any company to try to reduce waste/consume less

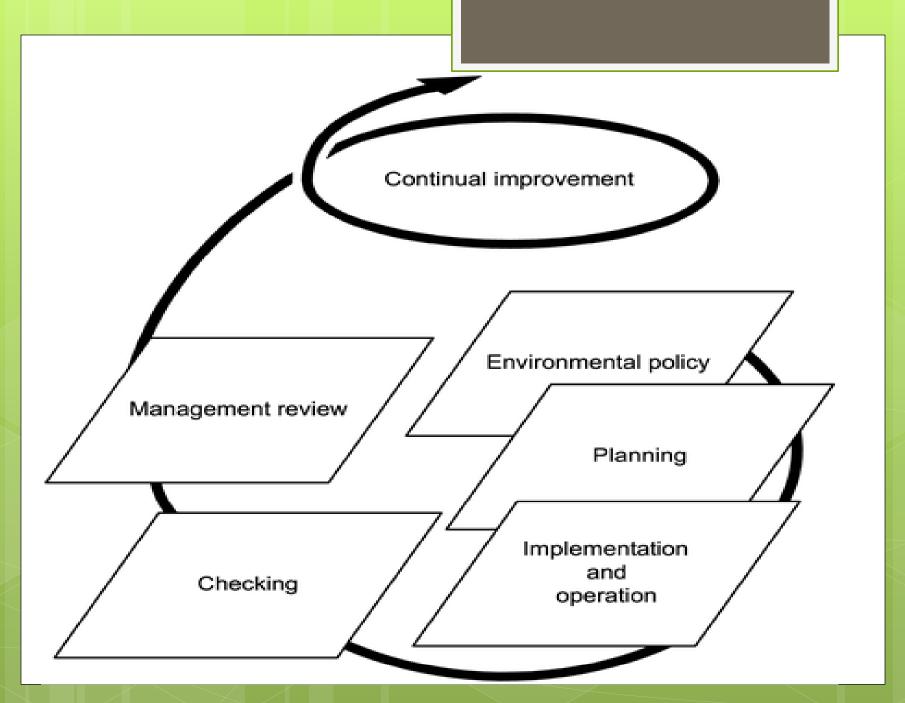
#### It can help us:

Reduce costs of waste management
Lower our consumption rate of materials
Lower the cost of distribution
Improve our image as an environmentally responsible company
Improve our inspections with the EPA

"ISO 14000- Environmental Management." International Organization for Standardization (ISO). ISO. 2012. Web source. 24 July 2012.

## In regards to our recent inspection...

- We must focus on proactive measures rather than reactive measures
- The fact that we already had an environmental committee lessened the blow of our violations, but this committee must be serious and long-lived
- Must set up an Environmental Management System (EMS) following the ISO 14000 guidelines



http://www.iso.org/obp/ui/#iso:std:iso:14001:ed-2:v1:en

#### Ideas for our ISO 14000 EMS

- Following the steps set about in the image previous to this slide, we should start with an environmental policy.
  - Ideas: All wastes must be labeled accurately and dealt with as quickly as possible, reduce waste, increase efficiency of reactors

#### Next Step: Planning

- How are we going to reach our goals set about in our tentative environmental policy?
  - Set up a better labeling system
  - Set up stricter rules for disposal/storage of waste
  - Determine how much product we currently use and set a plan to reduce our resource use

# Next Step: Implementation and Operation

- Set up a team (environmental committee?) to make sure all guidelines issued following the ISO 14000 Plan are followed
- If not being followed, consequences will be inevitable. What kinds of consequences would be appropriate, in your opinion?

### Next Step: Checking

- We must check our progress fairly regularly to see if we are reducing our waste and energy input in our processes
- Are our goals realistic? Are we exceeding our goals, or struggling with them? How can we improve upon our plan?

#### Next Step: Management Review

- After a year, we must see where we are from where we have started. If we haven't improved, we must make changes in how our management is running the EMS
- If we've reached our goals, maybe we can set harder target goals for the following year

# Why get a recommendation for certification?

- It will increase revenue and business
- It looks good, especially in European nations where being ISO 14000 certified is considered very important
- Makes us appear (and function) as a conscientious company
- This is worth investing into especially because we work directly with chemicals- boosts our image
- Being ISO 14000 certified may become a requirement in the future- we should invest now while we're not under as much pressure to conform

"International Standard ISO 14000." Quality Network. 25 August 2005. Web Source. 28 July 2012.

#### Other benefits:

- Will inspire more companies to become environmentally conscious
- A single, international standard will eliminate conflicts
- Increased competition (with these standards in place) will favor companies who adhere to them

## Solutions that will also help:

- Set up a consultation with the New York State Pollution
   Prevention Institute (NYSP2I) to:
  - Reduce our toxic chemical use within the laboratory
  - Efficiently harness the energy of raw materials
  - Reduce emissions and reduce waste

"Mission of NYSP21." New York State Pollution Prevention Institute. RIT. 2012. Web source. 24 July 2012.



http://www.rit.edu/affiliate/nys p2i/