

# Acme Chemical Company

Chemistry For the 21<sup>st</sup> Century



Improving Production  
Efficiency & Sustainability

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## 3 Goals of Acme Chemical

- Reduce inputs of chemical materials by 20%
- Implement latest technologies into the manufacturing process
- Reduce material costs, pollution and associated wastes.

A close-up photograph of a scientist wearing a white lab coat, blue safety glasses, and a white face mask. The scientist is looking down at a clipboard held in their hands. The background is slightly blurred, showing laboratory equipment.

# Research & Development

- The research and development department will be conducting research on utilizing chemicals that are sourced from biomass instead of petroleum sources, which are renewable and potentially better for the environment.

# Implementation of Better Technology

- Leaner manufacturing, that costs less, produces more, and creates less waste
- Train Technicians and Operators how to optimize the use of new technologies
- Maximize resource and labor inputs

# Environmental Safety & Pollution Control

- Increasing our monitoring and equipment of pollution and wastes
- Make sure HAZMAT policies are carried out correctly
- Ensure that all breaches in EPA standards are reported and shut down the effected equipment immediately until it is repaired and working properly.

# Meet & Exceed EPA Standards

- EPA guidelines and procedures will be introduced into daily routines
- Inspections will be held twice daily by the Environmental Safety and Pollution Dept.
- Departments will be subject to yearly bonuses for following procedure or disciplinary action if breaches occur



# Reducing Wastes

- Obtain higher yields from less resource inputs
- Re-use waste products if possible
- Treat waste to become more environmentally friendly
- Ensure wastes are disposed of properly

# Reinvest Savings

- Savings from leaner manufacturing will be reinvested in R&D to ensure Acme remains at the top of the chemical industry





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<2011/03/EPA.jpg>

<http://battlegroundbuzz.com/wp->

[.php?src=wp-content/uploads/2011/09/chart-going-up-300x225.jpg&w=700&h=&zc=1&q=90](http://battlegroundbuzz.com/wp-content/uploads/2011/09/chart-going-up-300x225.jpg&w=700&h=&zc=1&q=90)

<http://www.abconsulting-online.com/templates/images/acme-logo.gif>

<http://www.onlinedegrees.org/pics/chemist-1.jpg>

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