

# **Koch's Emission Reduction Initiative**

Koch's Pine Bend Refinery  
Rosemount, MN

# Koch: Fueling a Clean Future

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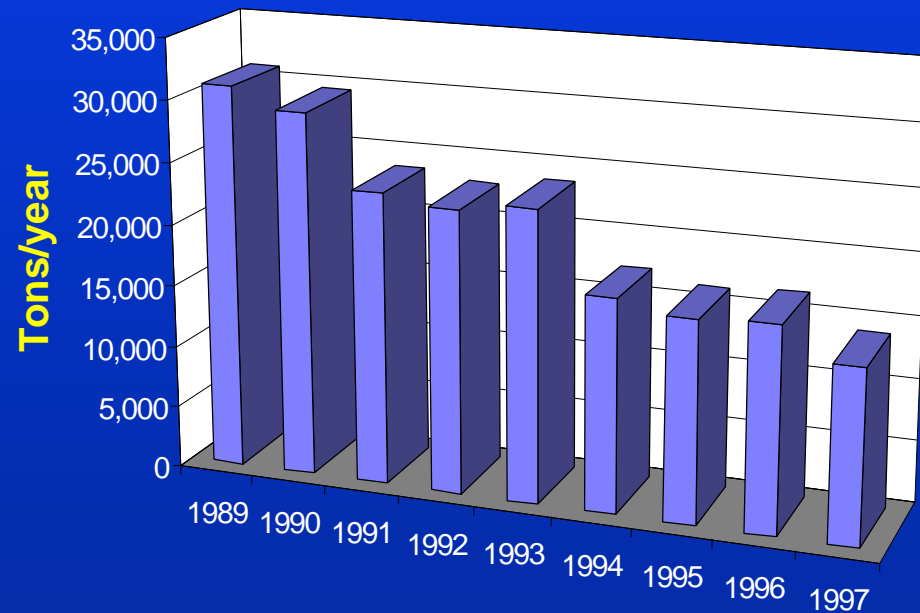
## Plan:

- ◆ 50% Reduction in Emissions in 5 years
  - ◆ From 14,000 tons/year to 7,000 tons/year
- ◆ Voluntary, not required
- ◆ Independent progress reporting / verification to the public
- ◆ Cost: \$10-20 million

# A Decade of Improvement

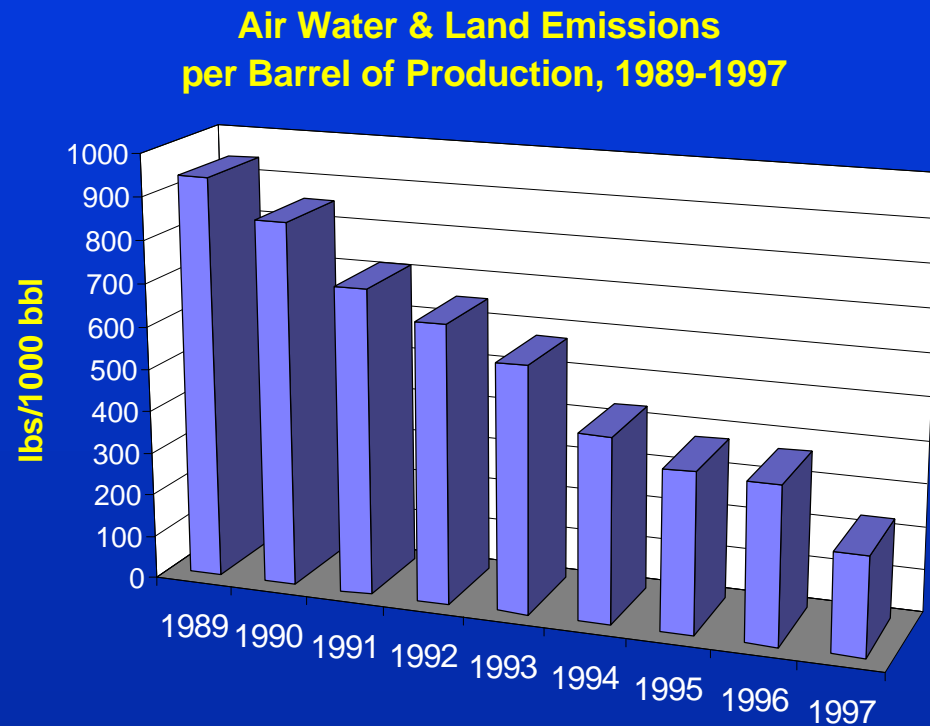
- ◆ In the past 10 years we've reduced total air, water, and land emissions by 55%.

Total Air, Water & Land Emissions, 1989-1997



# A Decade of Improvement

- ◆ Between 1989 and 1997, emissions per barrel processed decreased by 70%.



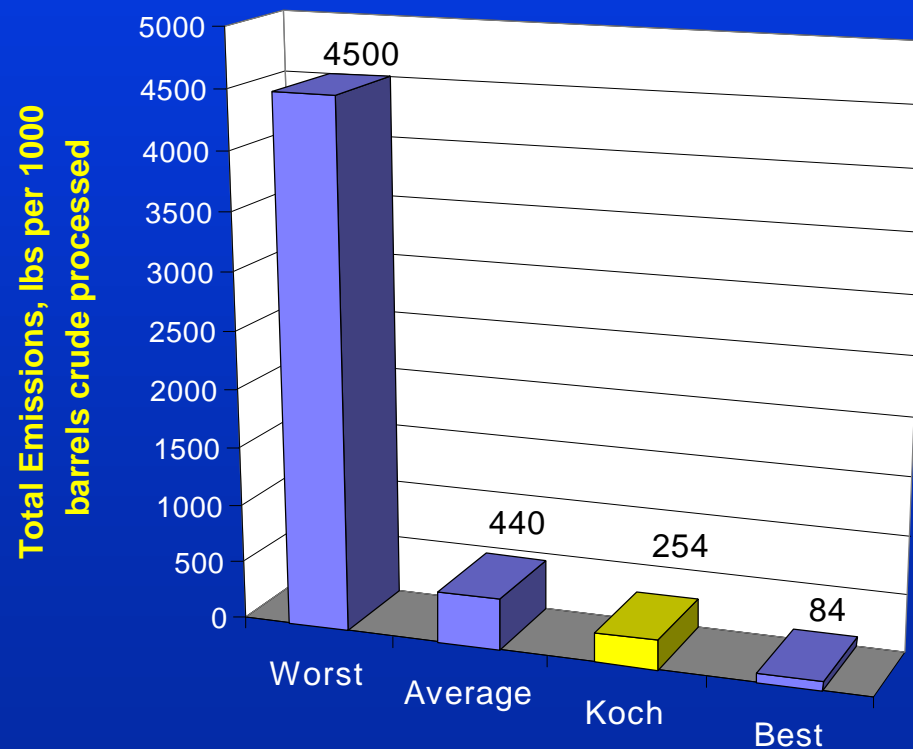
# Environmental Performance Ranking

Koch is ranked 12th best among the 50 major US refineries\* on an emissions-per-barrel basis.

- ◆ Sources:
- ◆ Environmental Defense Fund
- ◆ Environmental Protection Agency
- ◆ *Oil and Gas Journal*

\* refineries which process at least 120,000 barrels of crude oil per day

US Refinery Environmental Performance



# Emission Reduction Reporting

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- ◆ Cooperative project with MN Center for Environmental Advocacy
- ◆ Annual reporting on environmental emissions and impacts
- ◆ “Accessible, understandable, verifiable”
- ◆ Uses primarily publicly available data
- ◆ Verification by “expert panel”, including University of Minnesota