Team Toxic
CMSC 734
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Toxic Release Inventory (TRI)

- Toxic chemical releases and waste management activities from 1989-2009

- Focus on Maryland
Initial Questions

• Who are the major polluters in Maryland?
  – How have the top polluters changed over the last two decades?

• What types of pollution dominate Maryland?
  – What trends in chemical composition and toxin type can we discover?

• Where do major toxic releases occur in the state?
  – Are there patterns related to these locations? Are there important socioeconomic trends?
Huge Jump in Total Toxic Releases after 1998

Total Releases by Chemical Classification, 1989-2009
New Reporting Guidelines Show Utilities as Top Emitters
Power Plants are Point-Sources of Pollution
Few Companies Responsible for Majority of Clean Air Act Chemicals Emissions
Manufacturing Leads in Hazardous PBT Emissions
Not in my Backyard!
Fewer New Homes near Power Plants