

Regulatory actions

CAA Clean Air Act
1963 as Amended

ambient air quality
no consideration of
Benefits & Costs

Criteria pollutants

SO₂, NOX, CO, Pb, Ground Ozone
particulates PM_{10.0} PM_{2.5}

exposure (concentration)

- Annual - SO₂, PM, NOX

- 8 Hour - CO, OZONE

- 24 Hour - SO₂, PM,

- 1 hour - CO

EPA
measurement
stations

CAA → exposure levels

States → implement plan

Automobiles → manufacturer standards } initial req.
Lawn mower }
motorcycles }

States → plan EPA approval
attainment area - EPA ✓
non-attainment area - EPA analyze plan
Fed Jurisdiction
→ Airports
→ Interstates

States → city

- vehicle inspection $\left\{ \begin{array}{l} 1\text{yr} \\ 2\text{yr} \end{array} \right\}$ cost \$
time
- auto - fuel type MTBE
- time of year Ethanol
- gas station → vapor
recapture]
- lock no
- HOV
- parking for car pools
→ park + ride
- voluntary no drive days

stationary

- burn restrictions
- outside house & inside

Toxic Materials

- Love Canal.

by product → toxic chemicals

- store

- dispose

RCRA → Resource Conservation &
Recovery Act

ex ante - preventative measure

Toxic Resource Inventory TRI

- public announcement of
releases]

TRI → public disclosure

- liability exposure → share value ↓
- publicity - purchases ↓
- PNC → no loans to MTR firms
- B of A

False reports ?

→ tracking materials

CERCLA - ~~ex~~ post

Comprehensive Environmental

Response, Compensation, +
Liability

"Superfund"

- "spill" occurred

- How to fix it?

- compensate harmed

- assign liability

joint + several liability

unintended consequence

- impossible to sell

- gas stations

- warehouses
etc

"Brownfields
program"

