HAZARDOUS WASTES

Scope of the Hazardous Waste Problem: _______________________

Hazardous Wastes Generators: _______________________

Treatment Storage and Disposal Facilities (TSDF): _______________________

93% of hazardous wastes managed by: _______________________

Chemical Products Industry ($125b annually) contributes: _______________________

Number of Chemicals: _______________________

New Chemicals Manufactured every year: _______________________

Abandoned Hazardous Wastes Sites: _______________________

- In 1980 Congress passed the C_______________________ E______________________ R_________________ C______________________ and L_________________ Act (CERCLA) better known as Superfund
- $1.6b from taxes on c___________ o_________ & commercial chemicals
- every state had to compile a list of hazardous waste sites and submit it to EPA
  - N_________________ P_________________ L________________
- EPA prioritized these sites based on the potential hazard from g_______________ (S_{GW}), s_______________ water (S_{SW}), and a_____ exposure (S_A):

\[ S_M = \frac{1}{1.74} \sqrt{S_{GW}^2 + S_{SW}^2 + S_A^2} \]

where \( S_M \) is the composite score

- There are ______________ sites on the list
- Only ______________ sites have been cleaned up
- Three things about Superfund
  - party can be liable for actions that were previously l___________
  - p_________________ r_________________ p_________________
  - anyone who buys p_________________ contaminated with hazardous wastes can be liable
  - only way to avoid liability is to make “a_____ a___________ I_________________” prior to purchase
  - liability can be shared between parties or any one party may be liable for entire cleanup
  - “deep pockets”
  - EPA only needs to s_______ one party - that party must sue other parties to recoup c_______ c___________