CE 326 Principles of Environmental Engineering – Spring 2006 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 I		Act
(CERCLA) better known as Superfund		
• \$1.6b from taxes on co_ & comme		
• every state had to compile a list of hazardous waste sites an	d submit it to EPA	
• NP	L	
• EPA prioritized these sites based on the potential hazard fro		S _{GW})
s water (S_{SW}) , and a exposure (S_A) :		

$$S_{\mathcal{M}} = \frac{1}{1.73} \sqrt{S_{gW}^2 + S_{fW}^2 + S_{\mathcal{A}}^2}$$

where S_M is the composite score

- •
- There are ______ sites on the list Only ______ sites have been cleaned up •
- Three things about Superfund •
 - 0

-	party can be liable	for actions that were pr	eviously l
-	p	_ r	p

- 0
- 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
- Ο
- 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____