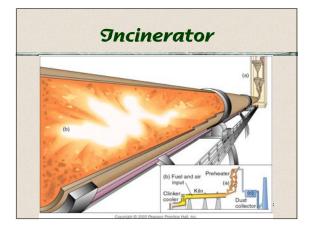






- Commercial incinerators or cement kilns
- Burn around 750 3000 degrees F

75







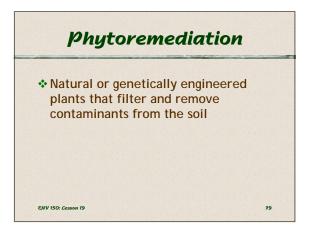
For soil & water

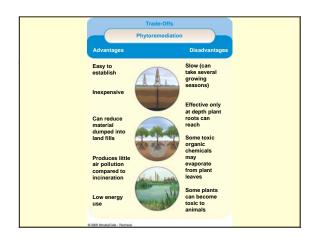
Bioremediation

- Injection of oxygen, microorganisms (bacteria) into contaminated soil or water.
- Effective for organic wastes (pesticides, gasoline, diesel fuel, etc).

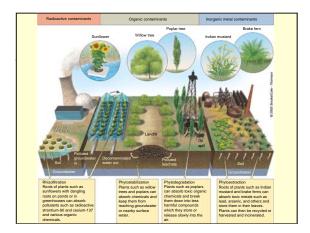
78

Does not work well with toxic metals, highly concentrated chemical wastes.

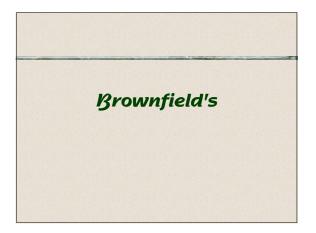


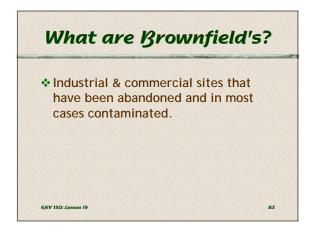




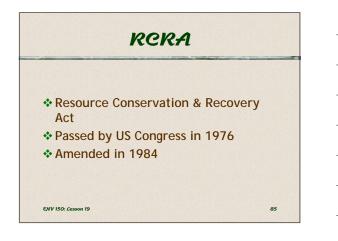


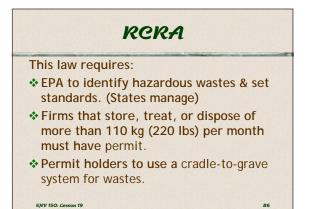




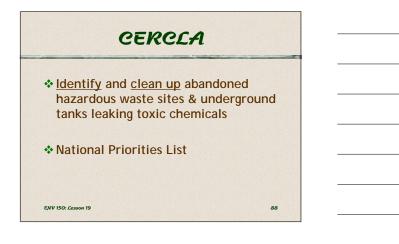


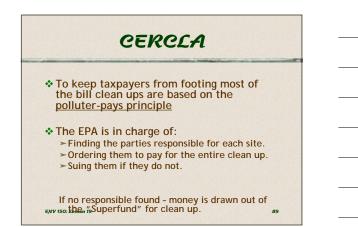


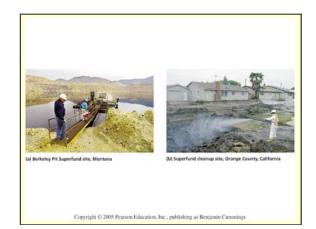




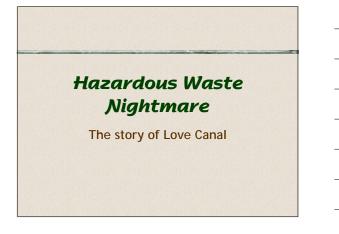








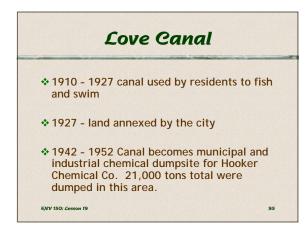






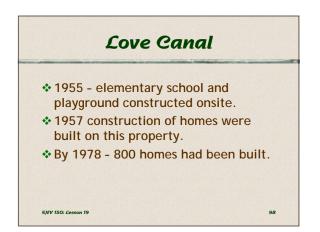


Cove Canal Love's project was not really feasible due to economic times and newer technology (alternating current). He also ran out of money. 1910 - Love's dream shattered. Just a partial ditch (60 feet by 3000 feet long) remained where construction began for the canal.





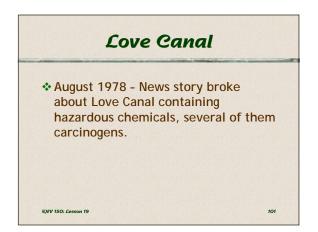
Core Canal* 1953 - the Hooker Chemical
Company, owners and operators of
this property, covered the canal with
soil and sold it to the Niagara Falls
chool Board for \$1.00.





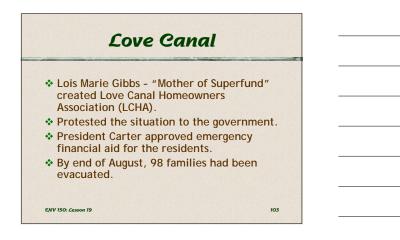




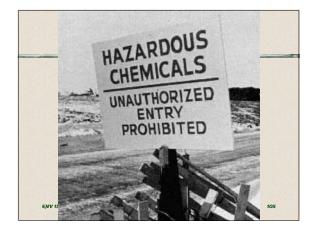






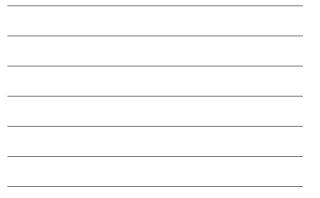










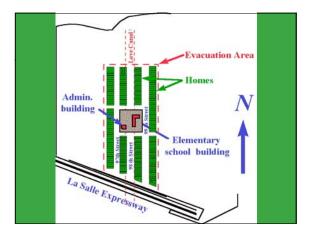


Love Canal

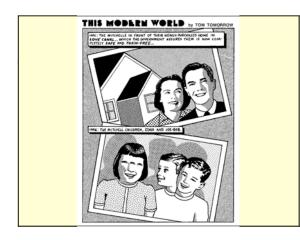
- Eventually all but 67 families were relocated by 1979.
- Superfund/CERCLA goes into effect 1980.
- 239 homes closest to the canal were demolished and the southern section of the neighborhood declared uninhabitable.

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Summer 1990 - 200 northern homes considered "habitable." Black Creek Village subdivision is established.







Assurances

"The entire area is probably one of the most tested pieces of property on this planet. It's probably one of the safest places to live."

> Mike Basile (spokesman for the EPA)

> > 111

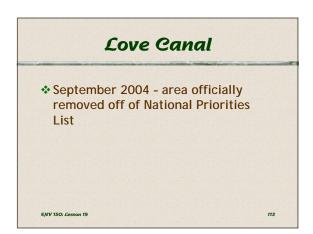
ENV 150: Lesson 19

Doubts

"I haven't found a scientist yet who would say the landfill won't leak again. The logical flow of water in that community is from the landfill to the homes."

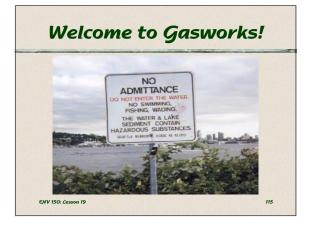
Lois Gibbs

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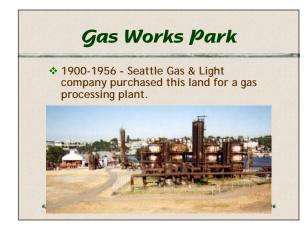


Superfund Closer to Home

Gas Works Park







Gas Works Park

- 1900-1930 plant used coal , leaving behind coal tar and underground plumes of a substance called napthalene.
- Today that product remains underground, but is believed to be so deep it's actually below the bottom of Lake Union.
- City Officials plan to leave it untouched.

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