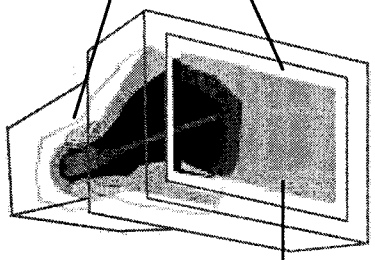
Silicon Valley Toxics Coalition/Computer TakeBack Campaign

Hazardous Materials in a PC

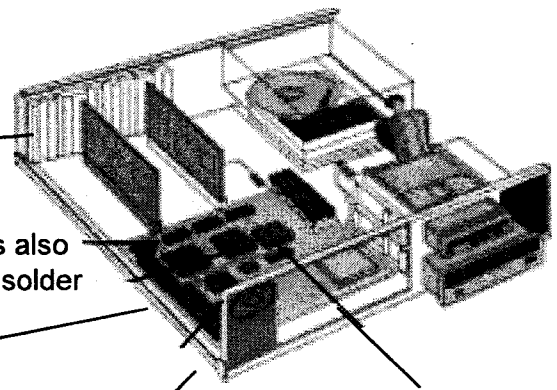
Lead CRT displays contain 4-8 lbs of lead. Toxic to the kidneys, nervous & reproductive systems & inhibits mental development of young children and fetuses.

Brominated Flame Retardants Likely endocrine disrupters, reduce levels of the hormone thyroxin in exposed animals and can potentially harm the developing fetus.



Barium Used in the front panel of the CRT to protect users from radiation. Short-term exposure to barium can cause brain swelling, muscle weakness, and damage to the heart, liver and spleen.

Plastics Up to 13.8 pounds in an average computer. Dioxin can be formed when PVC is burned. Combinations of plastics are hard to separate and recycle. Found in printed circuit boards, and components such as connectors, plastic covers & cables.



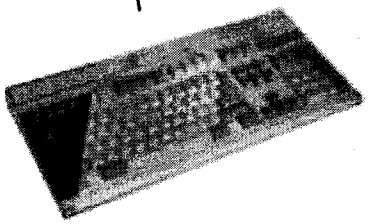
Hexavalent Chromium Used for corrosion protection of untreated & galvanized steel plates & hardener for steel housing. Can cause DNA damage & asthmatic bronchitis.

Lead is also found in solder

Beryllium Found on motherboards and connectors and is a human carcinogen.

Cadmium Found in SMD chip resistors, infrared detectors, semiconductors, older types of cathode ray tubes, and some plastics. Linked to kidney damage & harm to fragile bones.

Mercury Found in light bulbs in flat panel displays, switches, & printed wiring boards. Linked to brain & kidney damage, harm to the developing fetus & can be passed through breast milk and fish consumption.



Images courtesy of Materials for Future Foundation

For more detailed information about health effects, please download Greenpeace's report, "Toxic Tech" at http://www.greenpeace.org/international/press/reports/toxic-tech-chemicals-in-elec

Tel (408) 287-6707 or http://www.computertakeback.com

EXHIBIT 9
DATE 2-16-07
HB 555