

Appendix D

Silicon Principles

*Prepared by Silicon Valley Toxics Coalition and
Campaign for Responsible Technology
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1. Establish a comprehensive toxics use reduction program
 - Phase out the use of CFCs and other chlorinated solvents
 - Phase out all carcinogens, reproductive toxins and neuro-toxins
 - Phase out the use of acutely toxic gases
 - Implement in-process acid recycling
 - Develop Toxics Use Reduction plans, materials and waste audits, and mass balance materials accounting
2. Develop health and safety education programs and health monitoring
 - Health and safety training must be sensitive to diversity of workforce
 - Health monitoring must be comprehensive and available for public inspection
 - Establish nondiscriminatory transfers for pregnant production workers
 - Earmark at least 5% of all R&D money for environmental, health and safety programs
3. Work with local communities to establish "Good Neighbor Agreements"
 - Include emergency planning and worst case scenario planning, including transportation planning
 - Provide full disclosure to local communities and regular monitoring, including inspections
 - Establish corporate commitment to hiring, training, and promoting local residents
4. Implement a Worker Improvement Program and Economic Impact Statements
 - Assure that workers are involved in process design and workplace governance
 - Assess environmental, social, and economic impacts of new technologies and new facilities
5. Support national R&D policy directed by civilian (not Military) needs
 - Support a change in federal R&D funding from Defense Department to Department of Commerce
6. Establish corporate policies requiring equal standards for subcontractors & suppliers
 - Establish technical assistance and technology transfer to encourage pollution prevention at all stages of production, rather than shift the pollution down the production chain to smaller contractors
 - Hire contractors who adhere to good labor and environmental policies, and in particular, hire union contractors where they exist.
7. Establish corporate standards that are enforced equally, domestically, and internationally
 - Establish corporate policies that assure full compliance worldwide that meet the strictest standards
 - Require all facilities worldwide to make full disclosure of toxics reporting
8. Establish a life-cycle approach to all manufacturing, from R&D to final disposal
 - Design new products from life-cycle perspective
 - Internalize costs of disposal and guarantee return and safe disposal of all used products
9. Work closely with local communities and workers to ensure full oversight & participation
 - Commit to open partnership with workers and community to assure comprehensive participation