Precautionary Principle -Practical Policy to Protect Children's Health

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The Goal: Transforming the way we make decisions

Instead of asking, "How much environmental harm will be allowed?", in San Francisco, decision-makers will ask a very different question: "How little harm is possible?" The Precautionary Principle does not pre-determine an outcome.

It creates a process for decision making.

The Precautionary Approach:

Risk Assessment

- What is an acceptable level of harm? (i.e. # of cancers in 1000 people)
- Does this activity (product) fall within that acceptable level?
- Single activity considered

Alternatives Assess.

- Is this potentially hazardous activity (product) necessary?
- What less hazardous options are available?
- How little damage is possible?
- Multiple activities compared

San Francisco's **Precautionary Principle Ordinance** Chapter One of a newly formed **Environment Code – over arching** principle. - For complete text see: www.sfenvironment.org

 Five Tenets Define a Mechanism for Implementation 1. Duty to take anticipatory action to prevent harm

Historically, environmentally harmful activities have only been stopped after they have manifested extreme environmental degradation or exposed people to harm.

Waiting Too Long?

 Lead in gasoline, paint Asbestos in building materials Tobacco PCB's, DDT, CFC's • PVC, Brominated Flame Retardants Global Warming

2. Right to know complete and accurate information
Burden to supply this information lies with the proponent not the general public

 Potential human health and environmental impacts are often not disclosed or even known

Example: "Inerts" in pesticides Plutonium handling and releases 3. Duty to examine a full range of alternatives, including doing nothing

 Obligation to select alternative with least potential negative impact
 Selecting which alternatives are considered and selected is a political/ public decision

– Example: How can discharges of plutonium be avoided/minimized? 4. Must consider the full range of costs, including costs outside the initial price

 All reasonable foreseeable costs: raw materials, transportation, manufacturing, clean up, disposal

 Example: All costs associated with prevention of discharges. 5. Decisions must be transparent, participatory, and informed by the best available information

 Locally or internationally the public bears the ecological and health consequences of these decisions. *Environmental Democracy*

Example: Who is at the table to determine practices at the Lab?

Implementation in San Francisco



Arsenic Treated Wood

Evaluated health and environmental impacts
Sufficient evidence of harm

Alternatives analysis revealed:
 Most applications have a less toxic formulation (ACQ, CBA)

 Submerged Aquatic applications - arsenic treated wood is the most environmentally preferable formulation

The Precautionary Principle: # Zero risk = Minimize harm

#Predetermined
outcome
(i.e. ban)

= Transparent Process for public decision making **Re-defining the Central Question for Decision Makers:**

> It is NOT sufficient to ask: Is it legal? Is it safe? We Also MUST ask: Is it necessary?