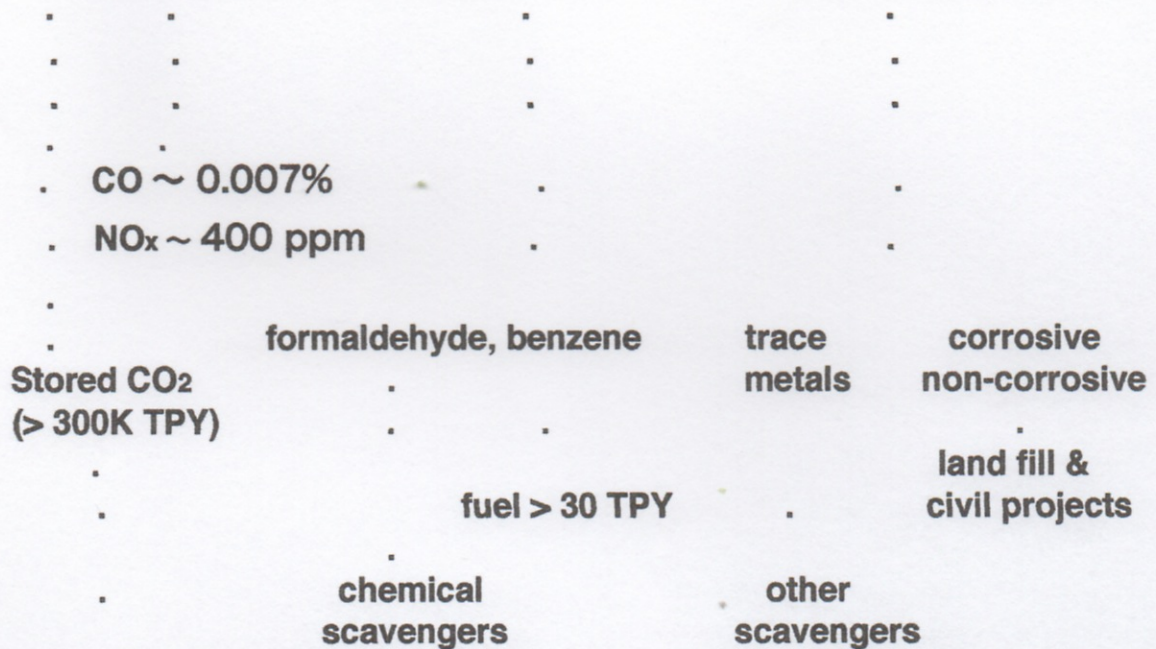


# Air Emissions Recycling Flow Chart

Captured mixed emissions: CO<sub>2</sub>, HAP, Particulate

fractional condensation, sedimentation

CO<sub>2</sub> & Traces <-----Liquid HAP<-----Metals & Particulates



Purification and distribution to:

- \* Compressed CO<sub>2</sub> markets
- \* Year-round hydroponic agriculture
- \* Bio-tech innovations

## **AER<sup>®</sup> Strategic Components**

**A. Establishing market demands:** *Determine recurring market demand for AER products / derivatives.*

- 1) *CO<sub>2</sub> for compressed air distributors*
- 2) *CO<sub>2</sub> for hydroponic agriculture systems*
- 3) *CO<sub>2</sub> for bio-photo-syn tech derivatives*

**B. Marshaling feasible technology**

- 1) *Improved burner efficiencies. stack channeling, storage, fractionation, purification. packaging*
- 2) *Growth systems' CO<sub>2</sub> concentrates: regulation*
- 3) *Linkage & draw-down of public waste H<sub>2</sub>O systems*
- 4) *Bio-tech: solar reactor synthesis & combination*

**C. Promoting commerce:** *Engage local public and private capital interests*

**D. Basic & applied research**

- 1) *Hydroponic agri / horticulture systems*
- 2) *CO<sub>2</sub> photosynthesis & recombination  
(pharmaceuticals, complex polysaccharides--fibers)*
- 3) *Industrial burner efficiencies*

**E. Benefits:** *Cost-effective to public health and operators*