Innovative Air Quality Programs

Montgomery County Department of Environmental Protection

A few of Montgomery County's Innovative Programs

- Ozone Action Day Plan
- Air Quality Strategy
  - Wind Energy Purchase-Point Sources
    - Energy Efficiency Program
  - Environmental Partners-Area Sources
  - Hybrid Vehicle Purchase-Mobile
  - Gas Can Exchange-Community Outreach
  - Tree Canopy

A Closer Look at the Environmental Partners Program

- A dynamic new cooperative pollution prevention program between the Montgomery County Department of Environmental Protection and businesses.
- The Air Quality Protection Strategy identified the need to reduce emissions from area sources.
- It was felt that expanding the Environmental Partners program would achieve this goal.

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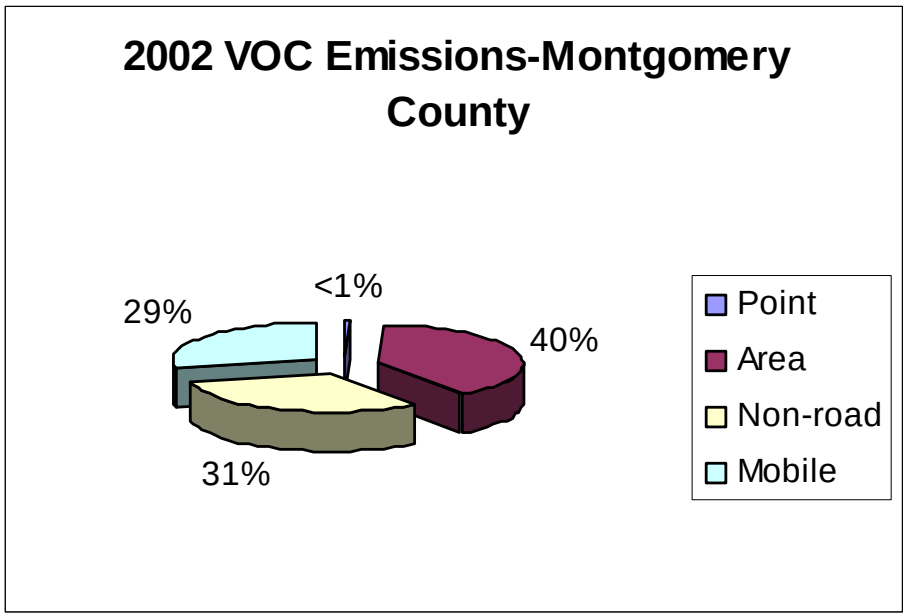
Montgomery County, Maryland

Area Source Emissions in Montgomery County



- Area sources-40% of VOC emissions
- Area sources include small industries, such as bakeries, printers, and dry cleaners.

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Based on 2002 PEI, COG

Current Program

- Began with the Vehicle Maintenance and Repair Industry-heavy solvent use-large number of complaints
- Extensive research
- One on one in house training
- Ready made package
  - Requirements
  - Permit applications
  - Vendor lists
  - Cost effective P2 solutions

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A Sample of Some P2 Solutions

- Solvent Parts Washing-Go aqueous/microbial
- Aerosol cans-Go with refillable bottles
- Floor washing-Keep a dry shop
- Hazardous waste-Minimize
- Shop towels-launder
- Used Oil-recycle

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The Results

- DEP has enlisted 48 Partners
- Chain pledged to remove solvent machines in 110 stores throughout the mid-atlantic and switch to aqueous cleaners resulted in a reduction of over 36 tons per year of VOCs.
- Other frequently pledged P2 actions include: utilizing 4 step floor washing; training; switching from solvent to aqueous parts washers

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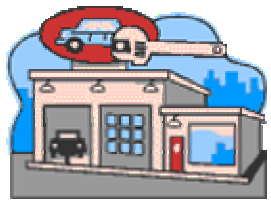
Where We're Going…

- DEP plans on adding additional industries targeting those industries whose ozone precursor emissions are highest.
- Small geographic area/watershed
- Measuring the success



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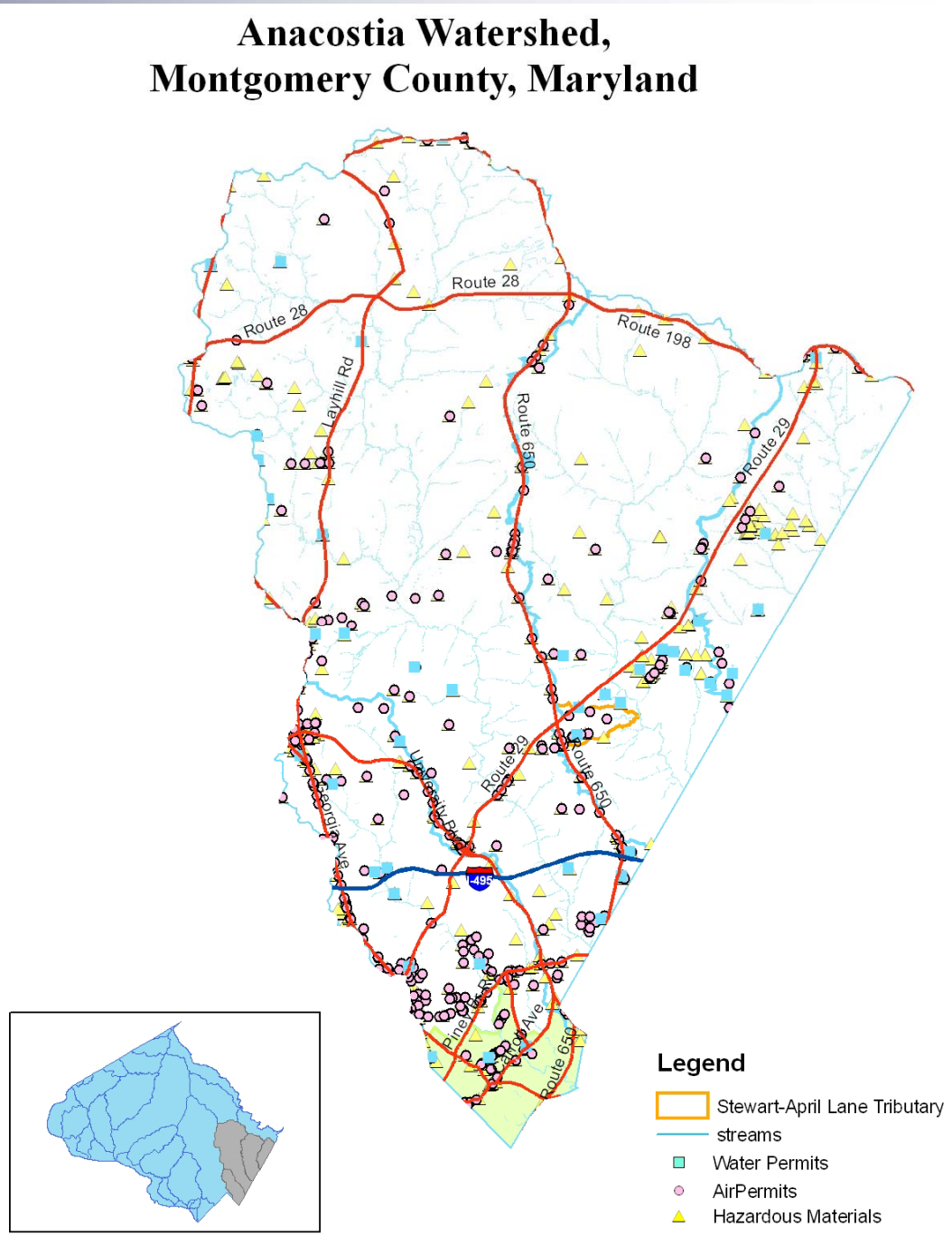
The Pilot Area…



Goals

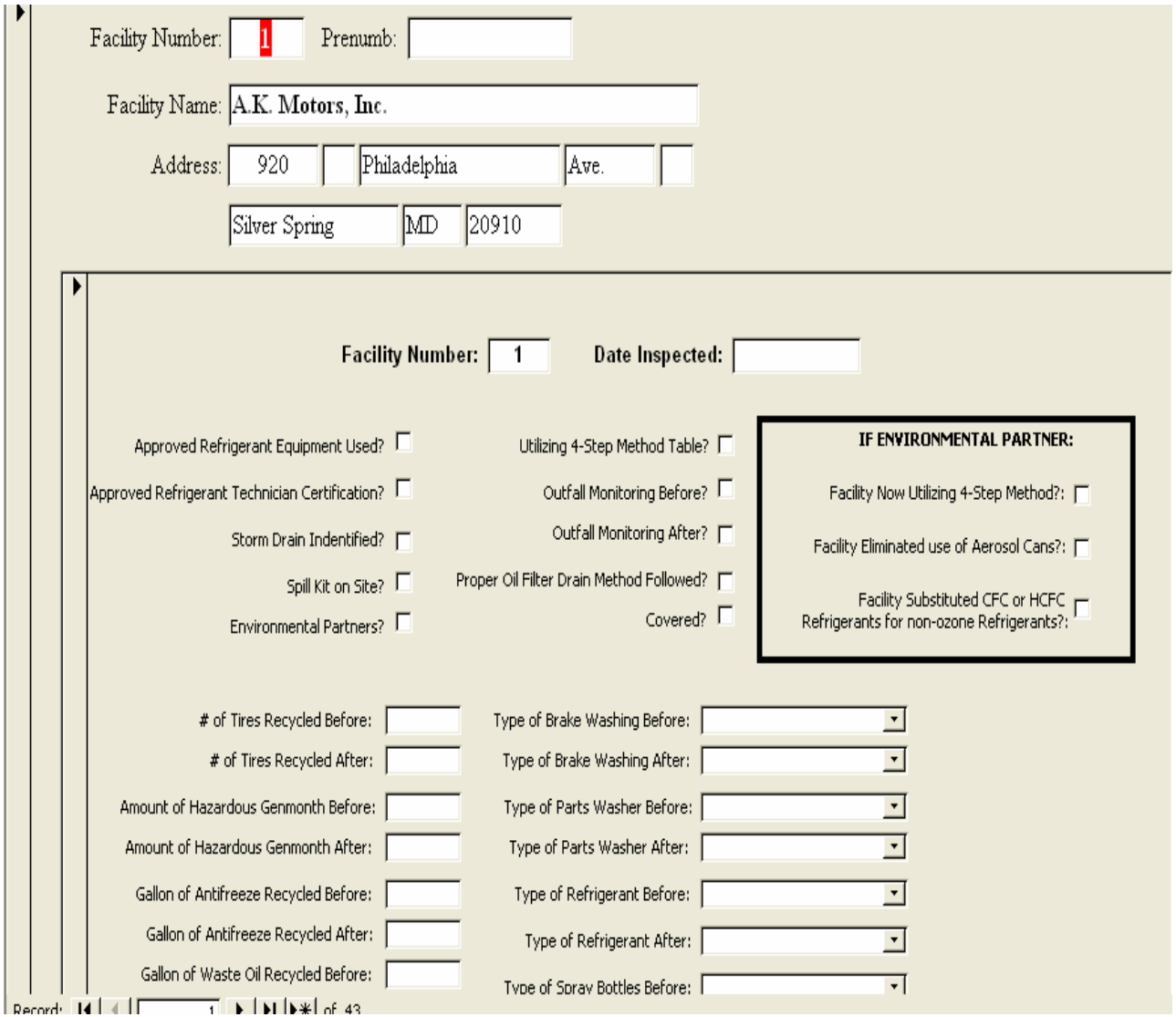
- Enhanced Enforcement
- Expand types of businesses
- Enhanced documentation and tracking
- Annual Awards Workshop

Costs

- Staff time-research/planning/site visits
- Printing the materials (approx. $30/manual)
- Advertising
- Outreach

Measuring for the SIP-SIP inclusion

- Enhanced Compliance Program
- Engineering Calculations



Questions??