

# Defining Effective Performance Criteria Through Stakeholder Engagement and Benchmarking

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# U.S. EPA ETV Program Stakeholders

- ✓ Diverse group of participants including federal agencies, state/local regulators, industry, and trade associations
- ✓ Currently over 800 stakeholders in 21 groups are involved with the U.S. EPA ETV Program
  - Battelle Advanced Monitoring Systems Center has AIR and WATER stakeholder committees with 20-25 members each
- ✓ Stakeholders can also include non-committee members involved with a particular test

# Stakeholder Participation

- ✓ Participate in meetings and teleconferences
  - To date, 152 stakeholder meetings conducted by US ETV Program
- ✓ Technology category concurrence and prioritization
- ✓ Peer review
- ✓ Test collaborators
  - More than \$700,000<sub>USD</sub> and 6,800 hours of in-kind support to U.S. EPA ETV Program over last three years



# Engaging Stakeholders



- ✓ “Cradle-to-grave” involvement with the verification test
- ✓ Technical panel discussions in planning test design (e.g., performance parameters, testing ranges, test scope, etc.)
  - Technical panel can be comprised of current stakeholders and subject matter experts in particular technology category or application area
- ✓ Peer review of test/QA plan and reports
  - Identify “passionate” stakeholders
- ✓ Test collaboration
  - Provide in-kind contributions and/or co-funding for the verification test
  - Invite stakeholders to observe testing

# Examples of Test Collaboration Support

- ✓ Funding
- ✓ Reference analysis
- ✓ Technology operators
- ✓ Test site host or access to testing sites

Results in stakeholder vested interest in test



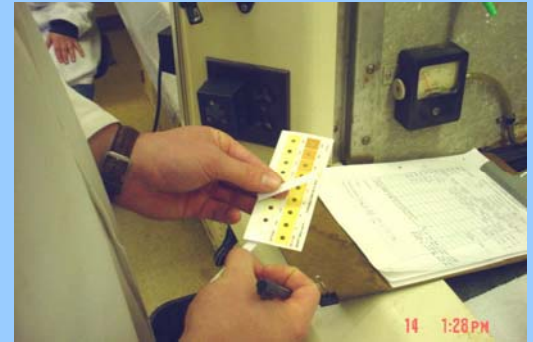
# Ensuring Meaningful Criteria

- ✓ Engage stakeholders beyond the standing committee members as appropriate
  - Stakeholder participation can sometimes influence vendor participation
- ✓ Obtain clear and specific stakeholder input
- ✓ Integrate stakeholders throughout verification process (technology category prioritization, test design, test execution, and reporting)



# Ensuring Meaningful Criteria (continued)

- ✓ Design test concentrations to evaluate performance around critical action levels
- ✓ Include greatest number of test matrices possible
- ✓ Conduct timely verification tests, commensurate with or in anticipation of the release of new regulations
- ✓ Report back to stakeholders on performance results



*Testing of arsenic test kits around 10 ppb drinking water Maximum Contaminant Level (became effective January 2006)*