

Ambient Air Monitoring Quality System Elements

Quality System Elements	Activities and Questions
<p>Planning</p>	<p>Activities</p> <ul style="list-style-type: none"> < Data Quality Objectives < Regulation Development < Quality Management Plans < QA Project Plans and SOPs < Guidance Documents <ul style="list-style-type: none"> -Network Design -Methods <p>Questions</p> <ol style="list-style-type: none"> 1. What are the most important QA tools that we need to keep, who is responsible for performing them and how do we ensure that they are performed.? 2. How do we ensure QA is a cost of routine monitoring? How do we ensure resources for our important QA programs are not cut or are reduced commensurate to routine monitoring reductions? 3. Should we move more towards a performance based measurement system - Utilization of data quality objectives versus design criteria? 4. What roles/responsibilities should the monitoring organizations/Regions/Headquarters each play? 5. What are the “QA redundancies” in the monitoring program and how do we reduce these? 6. Do we want to push for more identification of QA Officers at all levels (Monitoring Organizations/Regions/Headquarters)? 7. Establish a phased approach toward implementation, with a flexible time line to assure that each step is thoroughly completed.
<p>Implementation</p>	<p>Activities</p> <ul style="list-style-type: none"> < Training < Internal Quality Control Activities <ul style="list-style-type: none"> -precision checks (automated/manual) -verification/calibration (zero/span checks, flow rate checks etc) - QC described in CFR and guidance (MQO tables in Redbook APP 3) -standards certification -instrument and equipment maintenance < Record keeping < Data verification/validation <p>Questions</p> <ol style="list-style-type: none"> 1. What are the most important QA tools that we need to keep, who is responsible for performing them and how do we ensure that they are performed.? 2. What roles/responsibilities should the monitoring organizations/Regions/Headquarters each play? 3. What are the “QA redundancies” in the monitoring program and how do we reduce these? 4. Are the frequencies of our QC checks appropriate? 5. Establish a graded quality system approach to allow resource prioritization toward measurement systems that are classified as critical 6. Establish a phased approach toward implementation, with a flexible time line to assure that each step is thoroughly completed.

**Assessment/
Reporting**

- < Site Characterizations
- < Performance Evaluations (NPAP, PEP)
- < Management Systems Reviews
- < Technical Systems Audits
- < Data Quality Assessments
- < QA Reports
- < P&A Reports

Questions

1. What roles/responsibilities should the monitoring organizations/Regions/Headquarters each play?
2. At what frequency are various assessments and reports needed?
3. How should the information be used?