**3-State Air Quality Study – Technical Monitoring Network Assessment**

***Next Steps* to define**

**Operational Monitoring Network for ongoing 3SAQS starting January 2014**

**Assessment Period = June through August 2013**

**May 28, 2013**

* Doodle Poll to establish regular call schedule next 3 months
* Calls every 2 weeks
* UNC/ENVIRON to provide monitoring data analysis support
* Draft network assessment by August 9th
* Final assessment report end of August

Framework for technical monitoring network assessment

* Develop recommendations to Steering Committee for network to be operational as of January 2014 - monitors, network configuration, budget, operating agencies, sites, data collection and quality goals, et cetera.
* Key topics include:
  + What air quality issues are being addressed with monitoring? Prioritize and be explicit.
  + Value and representativeness of monitoring data in remote areas affected by O&G exploration and production;
  + Which Ozone season(s)? and Which sources contribute?
    - Spring – stratospheric intrusion and Asian transport
    - Summer – photochemical activity, regional transport, and wildfires
    - Winter – inversions
  + Emissions, speciation, modeling evaluations, and potential mitigation strategies;
  + Existing and planned O&G exploration and production activities; and
  + Other factors to be determined.

Reference: EPA Network Assessment Tools and Guidance (<http://www.epa.gov/ttnamti1/network-assessment.html>)

Guidance Documents – use as a starting point, then customize to 3SAQS:

* [Ambient Air Monitoring Network Assessment Guidance](http://www.epa.gov/ttnamti1/files/ambient/pm25/datamang/network-assessment-guidance.pdf)
* [Designing a Network Assessment for an Ambient Air Monitoring Program](http://www.epa.gov/ttnamti1/files/ambient/pm25/datamang/Network-Assessment-Planning-and-Checklist.doc)

Reference and use additional Network Assessment Tools on the EPA webpage as appropriate.

Proposed structure and process for technical monitoring network assessment

Re-cap the Assessment Working Group members volunteered to date – Debbie Miller, Cara Keslar, Gail Tonnesen, Ken Distler, others… - hope to include representative cross-section agency, both modeling and monitoring staff.

Determine available assessment inputs:

* Data and information about existing 3SAQS and other monitoring sites
* Emissions estimates for 2008 and 2011 base years
* Future projection emissions
* Cumulative air quality modeling results from 2008 and other recent base years’ modeling
* Additional factors for consideration are NAAQS designations, complementary O&G operator monitoring activities, potential geographic/additional agency expansion of 3SAQS membership, and external funding opportunities / amounts.

Most Working Group meetings will be by phone; the late Summer 2013 Technical Committee Workshop will be used to discuss progress on the Assessment in more detail. Following that, results for the Steering Committee will include:

* Recommendations as to what and how the Study and the Data Warehouse should address monitoring for the 2014 through 2017 time period, in terms of sites, parameters, budget, et cetera.