May 6, 2014

**3-State Air Quality Study: Phase II Oil and Gas Emissions, Potential Activities**

Priorities to be completed by Sept. 2014

1. EPA Tribal Minor Sources

EPA tribal minor source emissions were not incorporated into the Phase I inventory. For Phase II, we could incorporate tribal minor source data for the Uintah-Ouray Reservation into the Uinta Basin inventory.

1. Fracing Engines

Similar to the WRAP Phase III oil and gas inventories, fracing engine emissions are missing from the 3SAQS inventories (the exception is Wyoming where emissions provided by WYDEQ include fracing engines). We would add fracing engine emissions into Colorado, Utah, and New Mexico emission inventories based on literature sources (e.g. EIS project inventories).

1. Tank Emissions Updates

Based on information from tribal minor sources and input from state agencies about any additional information available for tank emission factors and controls, revise tank emission estimates.

1. Creation of SMOKE Model-Ready Files For Phase II 2011 and 2021 Inventories

Create SMOKE model-ready files for 2011 and 2021.

Priorities to work into workplan starting Oct. 2014

1. Intermediate Year Inventories & Project Inventory Integration Memo

In Phase I, emissions were estimated for only 2011 and 2020. For Phase II, we would develop inventories for all years between 2011 and 2020. Emissions for years between 2011 and 2020 would be interpolated based solely on activity changes for those categories where control levels do not change from 2011 to 2020; for categories where the level of control changes between 2011 and 2020 simple linear interpolation would be used. SMOKE model-ready files would be created for all basins for each intermediate inventory year. Additionally, a brief memo would be written prescribing how oil and gas project emissions would be incorporated into the data warehouse and how project emission inventories are to be added to the emissions available in the data warehouse.

1. Midstream Permitted Source Controls

Prepare a memo that describes the challenges associated with incorporating the effects of Federal and State rulemakings for the midstream sector into agency provided midstream emissions data. This memo would include discussion of applicable federal and state regulations, the midstream sources to which they are applicable, information typically available from agency provided data, and a discussion of additional midstream source data that would allow for more accurate incorporation of applicable emission control requirements.

1. Oil and Gas Project Inventory Protocol Manual

Develop a best practices manual that includes comprehensive prescriptions for estimating oil and gas emissions from project developments.