

Journal Articles

Reid S.B., Pollard E.K., Sullivan D.C., and Shaw S.L. (2010) Improvements to lawn and garden equipment emissions estimates for Baltimore, Maryland. *J. Air Waste Manage. Assoc.* 60 (December), 1452-1462.

Meeting Presentations and Conference Proceedings

Reid S.B., Roberts P.T., Eisinger D.S., Vaughn D.L., Pollard E.K., DeWinter J.L., Du Y., Ray A.E., Brown S.G., and Chenausky B.T. (2011) Construction activity, emissions, and air quality impacts: real-world observations from an Arizona road-widening case study. Poster presented at the *21st CRC Real World Emissions Workshop, San Diego, CA, March 20-23*, by Sonoma Technology, Inc., Petaluma, California, and Arizona Department of Transportation, Phoenix, AZ (STI-4105).

Reid S.B., Pollard E.K., Sullivan D.C., and Shaw S.L. (2010) Improvements to lawn and garden equipment emission estimates for Baltimore, Maryland. Presented to the *19th International Emissions Inventory Conference, San Antonio, TX, September 29* by Sonoma Technology, Inc., Petaluma, CA (STI-3940).

Reid S.B., Pollard E.K., Du Y., Chinkin L.R., Hammond D., and Norris G. (2010) Development of a local-scale emissions inventory for the Cleveland Multiple Air Pollutant Study. Presented to the *19th International Emissions Inventory Conference, San Antonio, TX, September 28* by Sonoma Technology, Inc., Petaluma, CA and U.S. Environmental Protection Agency, Research Triangle Park, NC (STI-3943).

Reid S.B., Pollard E.K., Du Y., Chinkin L.R., Hammond D., and Norris G. (2010) Development of a local-scale emissions inventory for the Cleveland Multiple Air Pollutant Study. Paper presented at the *19th International Emissions Inventory Conference, San Antonio, Texas, September 27-30*, by Sonoma Technology, Inc., Petaluma, CA and U.S. Environmental Protection Agency, Research Triangle Park, NC (STI-3944).

Reid S.B., Eisinger D.S., Roberts P.T., Vaughn D.L., Pollard E.K., DeWinter J.L., Du Y., Ray A.E., Brown S.G., and Chenausky B.T. (2010) Field study of PM_{2.5} emissions from a road-widening project. Paper presented at the *19th International Emissions Inventory Conference, September 29, San Antonio, TX* (STI-3959).

Raffuse S.M., Reid S.B., Pollard E.K., Wheeler N.J.M., Larkin N.K., Strand T.M., and Solomon R. (2009) Conterminous U.S. fire emissions of greenhouse gases. Presented at the *First International Greenhouse Gas Measurement Symposium, San Francisco, CA, March 23-25* (STI-3584).

Raffuse S.M., Reid S.B., Pollard E.K., and Wheeler N.J.M. (2009) A daily fire greenhouse gas emission inventory for the United States and comparison with other inventories. Paper presented at the *First International Greenhouse Gas Measurement Symposium, Burlingame, CA, March 23* by Sonoma Technology, Inc., Petaluma, CA (STI-3584).

Raffuse S., Gilliland E., Sullivan D., Wheeler N., Chinkin L., Larkin S., Solomon R., Strand T., and Pace T. (2008) Development of wildland fire emission inventories with the BlueSky Smoke Modeling Framework. Presented at the *7th Annual Community Modeling and Analysis System (CMAS) Conference Chapel Hill, NC, October 7*, by Sonoma Technology, Inc., Petaluma, CA; U.S. Forest Service AirFIRE Team, Seattle, WA; and U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC (STI-3457).

Raffuse S.M., Sullivan D.C., Gilliland E.K., Chinkin L.R., Larkin S., Solomon R., and Pace T. (2008) Development of wildland fire emission inventories for 2003-2006 and sensitivity analyses. Presentation made at the *U.S. Environmental Protection Agency's 17th International Emission Inventory Conference, Portland, OR., June 5*, by Sonoma Technology, Inc., Petaluma, CA; U.S. Forest Service AirFire Team, Seattle, WA; and U.S. Environmental Protection Agency Office of Air Quality Planning and Standards, Research Triangle Park, NC (STI-905028-3377).

- Raffuse S.M., Gilliland E.K., Sullivan D.C., Larkin N.K., Solomon R., and Strand T. (2008) Development of wildland fire emission inventories for 2003-2006 and sensitivity analyses. Presented at the *BlueSky Smoke Modeling Framework Stakeholders' Meeting, Boise, ID, May 20-22* (STI-905028-3371).
- Wheeler N.J.M., Craig K.J., Reid S.B., Gilliland E.K., Kumar N., Knipping E.M., Lowenthal D.H., Chen L.-W.A., Watson J.G., and Koracin D. (2007) Simulating IMPROVE-like data for use in evaluating receptor models. Poster presented at the *2007 Aerosol Conference, Reno, NV, September 24-28*, by Sonoma Technology, Inc., Petaluma, CA, EPRI, Palo Alto, CA, and Desert Research Institute, Reno, NV (STI-3155).
- Wheeler N.J.M., Craig K.J., Reid S.B., Gilliland E.K., Sullivan D.C., and Chinkin L.R. (2008) The BlueSky Gateway air quality forecast system for fire management. Presented at the *BlueSky Smoke Modeling Framework Stakeholders' Meeting, Boise, ID, May 20-22* (STI-905028-3367).
- Reid S.B., Chinkin L.R., Penfold B.M., and Gilliland E.K. (2007) Emissions inventory validation and improvement: a Central California case study. Paper presented at the *U.S. Environmental Protection Agency's 16th Annual Emission Inventory Conference, Raleigh, NC, May 14-17*, by Sonoma Technology, Inc., Petaluma, CA (STI-3109).

Formal Reports

- Reid S.B., Pollard E.K., Erdakos G.B., and Craig K.J. (2011) Dispersion modeling support for infill construction projects in San Francisco. Technical memorandum prepared for the Bay Area Air Quality Management District, San Francisco, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-911042-4296-TM, December 7.
- Reid S.B., Pollard E.K., and Stilley J.C. (2011) Summary of available data and knowledge gaps related to characterizing greenhouse gas emissions in the Lake Tahoe Basin. Technical Memorandum prepared for California Tahoe Conservancy, by Sonoma Technology, Inc., Petaluma, CA, STI-911006-4191-TM, August.
- Pollard E.K., Du Y., and Reid S.B. (2011) Preparation of wildland and agricultural fire emissions inventories for 2008. Technical Memorandum prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC, by Sonoma Technology, Inc., Petaluma, CA, STI-910221-4159, June.
- Reid S.B., Pollard E.K., and Du Y. (2011) A top-down emissions inventory evaluation for the upper Midwest. Final report prepared for the National Renewable Energy Laboratory, Golden, CO, by Sonoma Technology, Inc., Petaluma, CA, STI-909028-3808-FR, May 31.
- Pollard E.K., Raffuse S., and Craig K. (2011) Enhancements and technical improvements to the Western Canada BlueSky Smoke Modeling System. Technical memorandum prepared for David Lyder, Alberta Environment, Alberta, Canada by Sonoma Technology, Inc., Petaluma, California, 911004-4111-TM, March.
- Reid S.B., Pollard E.K., Craig K.R., and Stilley J.C. (2011) Impact of offshore ship emissions on Alaska and Pacific Islands. Draft final report prepared for the U.S. Environmental Protection Agency, Research Triangle Park, NC by Sonoma Technology, Inc. Petaluma, CA, STI 910209-4074-DFR, March.
- Roberts P.T., Reid S.B., Eisinger D.S., Vaughn D.L., Pollard E.K., DeWinter J.L., Du Y., Ray A.E., and Brown S.G. (2010) Construction activity, emissions, and air quality impacts: real-world observations from an Arizona road-widening case study. Final report prepared for the Arizona Department of Transportation, Phoenix, AZ by Sonoma Technology, Inc., Petaluma, CA, STI-908017-3971-FR, October.

- Pollard E.K. and Reid S.B. (2010) Wyoming statewide air monitoring network assessment Task D: emissions estimate. Technical memorandum prepared for the Wyoming Department of Environmental Quality, Cheyenne, WY, by Sonoma Technology, Inc., Petaluma, CA, STI-910019-3891, September 10.
- Reid S.B., Du Y., and Pollard E.K. (2010) Wyoming statewide air monitoring network assessment Optional Task 2: emissions inventory assessment. Technical memorandum prepared for the Wyoming Department of Environmental Quality, Cheyenne, WY, by Sonoma Technology, Inc., Petaluma, CA, STI-910019-3939, September 10.
- Reid S.B., Pollard E.K., DeWinter J., and Penfold B.M. (2010) Wyoming statewide air monitoring network assessment Task F: pollutant residence time analysis. Technical memorandum prepared for the Wyoming Department of Environmental Quality, Cheyenne, WY, by Sonoma Technology, Inc., Petaluma, CA, STI-910019-3961, September 7.
- Pollard E.K., Reid S.B., Craig K.J., and Du Y. (2010) Impact of offshore ship emissions on eastern Caribbean islands. Final report prepared for the U.S. Environmental Protection Agency, Office of Transportation and Air Quality, Ann Arbor, MI, by Sonoma Technology, Inc., Petaluma, CA, STI-910119-3900-FR, July 19.
- Reid S.B., Pollard E.K., and Du Y. (2010) Emissions inventory development for the Cleveland Multiple Air Pollutant Study. Final report prepared for Alion Science and Technology, Durham, NC, by Sonoma Technology, Inc., Petaluma, CA STI-910007-3909-FR, June 30.
- Reid S.B., Huang S., Pollard E.K., Craig K.J., Sullivan D.C., Zahn P., MacDonald C., and Raffuse S.M. (2009) An almanac for understanding smoke persistence during the 2008 fire season. Final report prepared for the U.S. Department of Agriculture, Forest Service, Pacific Southwest Region, STI-908045-3747-FR, November.
- Reid S.B., Wheeler N.J.M., Pollard E.K., Craig K.J., and Du Y. (2009) Impact of offshore ship emissions on Puerto Rico and the U.S. Virgin Islands. Final report prepared for the U.S. Environmental Protection Agency, Office of Transportation and Air Quality, by Sonoma Technology, Inc., Petaluma, CA, STI-909201-3729-FR, October.
- Reid S.B., Huang S., Pollard E.K., Craig K.J., and Sullivan D.C. (2009) Chapter 1. Monitored observations above key air quality thresholds and relative contributions of smoke to air quality observations. In *An almanac for understanding smoke persistence during the 2008 fire season*, September (STI-908045-3700).
- Larkin N.K., Solomon R., Strand T.M., Raffuse S.M., Pollard E.K., and Potter B. (2009) Uncertainties in the use of fuel consumption models, fuel loading maps, and fire reporting systems. Final report prepared for the Joint Fire Science Program, September.
- MacDonald C.P., Craig K.J., Pasch A.N., Pollard E.K., Wheeler N.J.M., and Reid S.B. (2009) Contributors to Sacramento County wood smoke primary PM_{2.5}. Final report prepared for the Sacramento Metropolitan Air Quality Management District, Sacramento, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-909014.06-3676-FR2, September.
- Reid S.B., Pollard E.K., and Hafner H. (2009) Ambient data analysis in support of CRC RFP A-69: regional modeling of weekday/weekend ozone changes. Prepared for the Coordinating Research Council, Alpharetta, GA, STI-909006-3609-FR, May.
- Reid S.B. and Gilliland E.K. (2008) The development of a SMOKE-based emissions processing stream. Technical memorandum prepared for the Bay Area Air Quality Management District, San Francisco, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-908007-3411-TM; Contract No. 2008-048, July 16.

Brown S.G., Funk T.H., Charrier J., Gilliland E.K., Hafner H.R., and Reid S.B. (2008) Phase II source apportionment findings (extension to the CCOS project "Comparison of ambient measurements to emissions representations for modeling"). Technical memorandum prepared for the California Air Resources Board, Sacramento, CA by Sonoma Technology, Inc., Petaluma, CA, STI-905044.14-3396-TM, June 30.

Reid S.B., Sullivan D.C., and Gilliland E.K. (2008) Area source emission inventory assessment. Final Report prepared for the Central Regional Air Planning Association, Oklahoma City, OK by Sonoma Technology, Inc., Petaluma, CA, STI-908018.05-3385-FR, June.