

## Meeting Presentations and Conference Proceedings

Zahn P.H., Irwin S.T., and Beamish J.J. (2021) Challenges in forecasting dust and wildfire smoke. Poster presented at the *AGU Fall Meeting, New Orleans, LA, December 13-17*, by Sonoma Technology, Inc., Petaluma, CA. STI-7578.

Beamish J. (2020) Case studies in smoke forecasting. Presentation given at the *3rd International Smoke Symposium, April 20*, by Sonoma Technology, Petaluma, CA. STI-7207.

Beamish J. (2020) Model platforms for PM2.5 forecasting. Presentation given at the *3rd International Smoke Symposium, April 20*, by Sonoma Technology, Petaluma, CA. STI-7207.

Zahn P., Beamish J., and Pavlovic N. (2020) Incorporating smoke impacts into air quality forecasting. Presentation given at the *3rd International Smoke Symposium, April 20*, by Sonoma Technology, Inc., Petaluma, CA. STI-7207.

## Formal Reports

Beamish J. (2023) Yolo-Solano end of season report; Nov. 2022 – Feb. 2023. prepared for the Yolo-Solano Air Quality Management District, Davis, CA, by Sonoma Technology, Petaluma, CA, STI- 921042-7886, March 31.

Beamish J.J., Irwin S.T., and Zahn P.H. (2023) State of Delaware final report: ozone observations and forecasts in 2022. Final report prepared for the Delaware Department of Natural Resources and Environmental Control, Wilmington, DE, by Sonoma Technology, Petaluma, CA, STI-920026-7888, March 31.

Beamish J. (2022) Imperial Valley/Mexicali 2022 air quality summary. Report prepared for the Imperial County Air Pollution Control District, El Centro, CA, by Sonoma Technology, Petaluma, CA, STI-919050-7857.

Beamish J. (2022) End of season report summer 2022. Report prepared for the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Petaluma, CA, STI-922027-7820.

Beamish J. (2022) Central Ohio End of Season Report: Nov. 2021–Oct. 2022. Report prepared for the Mid-Ohio Regional Planning Commission, Columbus, OH, by Sonoma Technology, Petaluma, CA., STI-921028-7819.

Beamish J. (2021) Yolo-Solano end of season report. prepared for the Yolo-Solano Air Quality Management District, Davis, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-918078-7276, February–November.

Beamish J.J., Irwin S.T., and Zahn P.H. (2022) State of Delaware final report: ozone observations and forecasts in 2021. Final report prepared for the Delaware Department of Natural Resources and Environmental Control, Wilmington, DE, by Sonoma Technology, Petaluma, CA, STI-920026-7710, March 31.

Beamish J. (2022) Yolo-Solano end of season air quality report, November 2021–February 2022. Report prepared for the Yolo-Solano Air Quality Management District, Davis, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-918078-7709, March 31.

Beamish J. (2021) End of season report; summer 2021. Season-end summary prepared for Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-919012-7641, December.

- Beamish J. (2021) Central Ohio end of season report; Nov. 2020–Oct. 2021. Season-end summary prepared for the Mid-Ohio Regional Planning Commission, Columbus, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-918009-7624, December.
- Beamish J., Zahn P., and Irwin S. (2021) State of Delaware Final Report: Ozone Observations and Forecasts in 2020. Season-end summary prepared for the Delaware Department of Natural Resources and Environmental Control, Wilmington, DE, by Sonoma Technology, Inc., Petaluma, CA, STI-920026-7519-FR, March.
- Beamish J. (2021) Louisiana air quality summary, 2020. Year-end summary prepared for the Louisiana Department of Environmental Quality, Baton Rouge, LA, by Sonoma Technology, Inc., Petaluma, CA, STI-918056-7490, January.
- Beamish J. (2020) Imperial Valley and Mexicali 2020 air quality summary. Year-end summary prepared for the Imperial County Air Pollution Control District by Sonoma Technology, Inc., Petaluma, CA, 919050-7503, January.
- Beamish J. and Zahn P. (2020) Eastgate end of season report, summer 2020. Report prepared for the Eastgate Regional Council of Governments, Youngstown, OH by Sonoma Technology, Inc., Petaluma, CA, STI-919012-7475, November.
- Beamish J. and Zahn P. (2020) Eastgate end of season report, winter 2019-2020. Report prepared for the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-919012-7291, May.
- Beamish J. and Zahn P. (2020) Yolo-Solano end of season air quality report, November 2019 through February 2020. Report prepared for the Yolo-Solano Air Quality Management District, Davis, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-918078-7276, March.
- Beamish J. and Zahn P. (2019) Louisiana Air Quality Summary, 2019. Report prepared for the Louisiana Department of Environmental Quality, Baton Rouge, LA, by Sonoma Technology, Inc., Petaluma, CA, STI-918056-7249.
- Beamish J. and Zahn P. (2019) Eastgate end of season report, summer 2019. Report prepared for the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-919012-7209, November.
- Smith K.M., Beamish J.J., Dunn M.R., Baxter R., and Bush P. (2019) South Coast Air Quality Management District upper-air stations surface meteorological data summary. Prepared for the South Coast Air Quality Management District, Diamond Bar, CA, by Sonoma Technology, Inc., Petaluma, CA, and T&B Systems, Placerville, CA, STI-919032-7198, November 18.
- Beamish J. and Zahn P. (2019) Eastgate end of season report, winter 2018-2019. Report prepared for the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA, STI-919012-7118, May.
- Zahn P. and Beamish J. (2019) Yolo-Solano end of season air quality report, November 2018 through February 2019. Report prepared for the Yolo-Solano Air Quality Management District, Davis, CA, by Sonoma Technology, Inc., Petaluma, CA, STI-918078-7096, March.

## Videos and Fact Sheets

- Zahn P. and Beamish J. (2021) Youngstown-Warren end of season air quality report, November 2020-March 2021. Video prepared for the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA. STI-919012-7641, November.
- Zahn P. and Beamish J. (2021) Youngstown-Warren end of season air quality report, April 2020-October 2020. Video prepared for the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA. STI-919012-7541, April.
- Zahn P. and Beamish J. (2019) Youngstown-Warren end of season air quality report, November 2019-March 2020. Video prepared for the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA. STI-919012-7470, October.
- Beamish J. and Zahn P. (2020) Youngstown-Warren end of season air quality report, April-October 2019. Video prepared for the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA. STI-919012-7271, March.
- Hylton M. and Beamish J. (2020) Imperial Valley and Mexicali 2019 air quality summary. Year-end summary prepared for the Imperial County Air Pollution Control District by Sonoma Technology, Inc., Petaluma, CA, STI-919050-7247, January.
- Zahn P. and Beamish J. (2019) Youngstown-Warren end of season air quality report, November 2018-March 2019. Video prepared for the Eastgate Regional Council of Governments, Youngstown, OH, by Sonoma Technology, Inc., Petaluma, CA. STI-919012-7273, August.

## Courses Taught

- Zahn P., Hafner H., Hylton M., and Beamish J. (2020) Air quality forecasting training. Training course presented to the Nevada Department of Environmental Protection by Sonoma Technology, Petaluma, CA, STI-920016-7252, February 11-13.