



OAK LEAF ENVIRONMENTAL INC.

JEREMY G. HEIKEN

PUBLICATIONS / PRESENTATIONS

- “Draft Automobile Inspection and Readjustment Program,” prepared for the Colorado Office of the State Auditor, September 2022.
- “Screening Level Assessment of Ambient Lead Concentrations Around the Middleton Wisconsin Municipal Airport,” prepared for the Town of Middleton, Wisconsin, February 2022.
- “Documentation of Emission Factor Development for the Port Emission Inventory,” prepared for the Vancouver Fraser Port Authority, January 2022.
- “External Peer Review of EPA’s Fuel Supply Updates to MOVES3,” prepared for the U.S. Environmental Protection Agency, August 2020, https://cfpub.epa.gov/si/si_public_file_download.cfm?p_download_id=541714&Lab=OTAQ.
- “Modeling Inventory of Heavy-Duty Cleaner Trucks Initiative,” prepared for Manufacturers of Emission Controls Association, June 2020, http://www.meca.org/resources/OakLeaf_Final_Report_0620.pdf, electronic appendices are located here: <http://www.meca.org/resources/reports>.
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- “Off-Road Greenhouse Gas Emissions Review: Test Procedures,” prepared for Transport Canada and Environment and Climate Change Canada, October 2019.
- “Emissions Impact of Varying VOC Control Level in Reformulated Gasoline,” February 2019.
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- “Automobile Inspection and Readjustment Program, Department of Public Health and Environment, Performance Evaluation,” prepared for the Colorado Office of the State Auditor, November 2017, https://leg.colorado.gov/sites/default/files/documents/audits/1680p_air_program_performance_evaluation_november_2017.pdf.
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- “Project No. ACRP 02-57: Reducing the Impact of Lead Emissions at Airports,” October 2016, <http://www.trb.org/Main/Blurbs/174934.aspx>.
- “CRC Project No. E-101: Review of EPA’s MOVES2014 Model,” prepared for the Coordinating Research Council, August 2016, <http://crcsite.wpengine.com/wp-content/uploads/2019/05/FINAL-E101-Report-SR-20160810-w-CRC-Cover-and-Appendices.pdf>.
- MOVES2014 Workshop Day 1: “MOVES Overview”, “Modeling Architecture/Method”, “The MOVES Approach: Strengths, Remaining Areas of Uncertainty and Other Key Issues”, “MOVES Modeling Results”, “Nonroad Modeling”, prepared for the Canadian Fuels Association, June 2016.*



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- MOVES2014 Workshop Day 2*: “Day 2 Introduction & Overview”, “Lesson #1 MOVES Graphical User Interface”, “Lesson #2 Canadian Modeling Approaches”, “Lesson #3 Custom Domain Analysis”, “Lesson #4 Working with MOVES Output”, “Lesson #5 Best Practices Guidance”, “Additional Resources”, prepared for the Canadian Fuels Association, June 2016.
- “Best Practices for Preparing Lead (Pb) Emission Inventories from Piston Powered Aircraft,” presentation and paper at USEPA 21st International Emission Inventory Conference. April 2015.
- “Quantifying Aircraft Lead Emissions at Airports,” 14th AAAE National Aviation Environmental Management Conference, April 2015
- “Best Practices Guidebook for Preparing Lead (Pb) Emission Inventories from Piston Powered Aircraft,” prepared for Airport Cooperative Research Program, October 2014, <http://www.trb.org/Publications/Blurbs/172598.aspx>.
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- “Criteria Pollutant Impacts of Mid-Level Ethanol Blends (E15 and E20),” presentation at USEPA 20th International Emission Inventory Conference, August 16, 2012.
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- “Midwest Rail Study, Modeled Near-Field Impacts of Emissions of Fine Particulate Matter from Railyard Activities,” *Journal of the Transportation Research Board*, Volume 2261, Railways 2011, pp. 106-114, 2011.
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- “Technical Review of EPA Renewable Fuel Standard Program (RFS2) Regulatory Impact Analysis for Non-GHG Pollutants,” prepared for the American Petroleum Institute, May 2010.
- “Effects of Gas Composition on Emissions from Heavy-Duty Natural Gas Engines,” prepared for the Southern California Gas Company, February 2010.
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- “Technical Review of 2009 EPA Draft Regulatory Impact Analysis for Non-GHG Pollutants Due to Changes to the Renewable Fuel Standard,” prepared for the American Petroleum Institute, September 2009.
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“Estimated Attainment Costs and Economic Impacts in Selected Regions of Proposed Revisions to the EPA 8-Hour Ozone Standard,” prepared for the National Association of Manufacturers, January 2008.

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“Modeling Weekend and Weekday Ozone in Southeast Michigan,” prepared for National Renewable Energy Laboratory, June 27, 2007.

“Effectiveness of the California Light Duty Vehicle Regulations as Compared to Federal Regulations,” prepared for Alliance of Automobile Manufacturers, June 15, 2007.

“SEM-04-007 (Quebec Automobiles): Data for the Factual Record,” prepared for Commission for Environmental Cooperation of North America, February 2007.

“Evaluation of Pennsylvania’s Implementation of California’s Greenhouse Gas Regulations on Criteria Pollutants and Precursor Emissions,” prepared for Alliance of Automobile Manufacturers, April 12, 2006.

“Evaluation of Maine’s Adoption of California’s Greenhouse Gas Regulations on Criteria Pollutants and Precursor Emissions,” prepared for the Alliance of Automobile Manufacturers, October 17, 2005.

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“Issues Related to MOVES/GREET Integration,” prepared for the American Petroleum Institute, July 12, 2005.

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“Review of Methods Used in Calculating Marine Vessel Emission Inventories,” prepared for Environment Canada, Pollution Data Branch, March 2004.

“Review of SEMCOG On-Road Inventory Method,” prepared for Southeast Michigan Council of Governments, March 2004.

“Review of Connecticut Fund for the Environment LEV II Studies,” prepared for the Alliance of Automobile Manufacturers, January 2004.

“Greenhouse Gas Emissions from Light-Duty Vehicles in Connecticut,” prepared for the Alliance of Automobile Manufacturers, November 2003.

“Modeling Weekday/Weekend Ozone Differences in the Los Angeles Region for 1997,” *J. Air & Waste Manag. Assoc.*, 53, pp. 864-870, July 2003.

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- “Review and Commentary on EPA’s Mobile Source Toxics Analysis,” prepared for the Alliance of Automobile Manufacturers, April 2000.
- “Investigation of Emission Factors in the California EMFAC7G Model,” prepared for the Coordinating Research Council, 1999.
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- “CAAA Section 112(k) -- Emissions Review and Policy Implications for American Petroleum Institute,” prepared for American Petroleum Institute, 1997
- “Improved Procedures to Demonstrate Project Level for Conformity,” prepared for Colorado Department of Transportation, 1997.
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- “User’s Guide for the National Nonroad Emissions Model Beta Version,” prepared for the U.S. Environmental Protection Agency, 1997.
- “Future-Year Boundary Conditions for Urban Airshed Modeling for the State of Texas,” prepared for Texas Natural Resource Conservation Commission, 1996.
- “Mobile Source Emissions Inventory Evaluation in the Metropolitan Denver Region,” prepared for the Denver Regional Air Quality Council, 1996.
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- “Environmental Data Base System for NUMMI’s BAAQMD and CAAA Title V Requirements,” prepared for New United Motor Manufacturing, 1995.
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