

Curriculum Vitae **Ronald L. Baskett**

CCM Consulting, Pleasanton, CA 94566

rlbaskett74@gmail.com

Cell: 1-925-413-9172

[Google Scholar Profile](#) [Linkedin Profile](#) [Research Gate Profile](#)



Summary of Experience and Capabilities

- Forensic meteorology services including data acquisition and analysis, site surveys, reports, and expert witness at deposition and trial
- 40-year career managing projects and personnel in the atmospheric and environmental sciences
- Broad interaction with senior to executive management with local, state, and federal emergency response and air quality agencies
- Extensive experience employing advanced atmospheric transport and dispersion modeling systems to determine health effects from hazardous natural and anthropogenic releases to the atmosphere
- Research involving dispersion model development and evaluation, coastal and mountain meteorology, reconstruction of hazardous releases from limited information, wind and mesoscale forecast modeling, and evaluation of new meteorological systems
- Proven project management, presentation and communication skills including support of high-consequence incidents of national significance

Specialties

- Weather associated with prescribed burns and wildfires
- Analysis of air quality
- Dispersion modeling of hazardous releases from industrial accidents
- Complex terrain meteorology including mountain-valley and coastal settings
- Meteorological systems, remote sensing, and field studies

Employment

1983-present: **CCM Consulting**, Pleasanton, CA. **Sole proprietor**. Forensic meteorology services.

- Recent case: 2018-2019: Cal Fire v. Bill Massa Company, Inc., et al., Monterey County Superior Court; provided expert analysis for the defendant on the weather associated with an escaped prescribed burn.

1995-2017: **Lawrence Livermore National Laboratory, Livermore, CA**

- 2013-2017: **Deputy Division Leader for Operations**, [Atmospheric Earth & Energy Division](#)
- 2016-2017: **Assurance Manager**, [Computations Directorate](#)
- 1995-2017: **Principal Investigator** for projects such as Development of Bayesian source inversion methods and Radiological Contingency Planning for NASA's nuclear-powered interplanetary spacecraft
- 1996-2009: **Director of Operations & Operations Team Leader** for the [National Atmospheric Release Advisory Center](#) (NARAC) and **Operations Manager** (2004-2009) for the DHS-led Interagency Modeling and Atmospheric Assessment Center (IMAAC)
 - Supported 2,500 users in 250 local, state and federal organizations across the US

- Responded to over 100 national-level exercises and emergencies including the 2011 Las Conchas Fire, NM; 2011 Fukushima Nuclear Power Plant accident, Japan; 1998 Tracy & 1999 Westley, CA tire dump fires; the 1997 Tokai, Japan nuclear fuels and 1997 Algeciras, Spain Cs-137 accidents
 - 2003-2012: **Deputy & Group Leader** for Atmospheric, Flow, Transport & Hazard Assessment Group
- 1983-1995: **Scientific Specialist II, EG&G Energy Measurements, Inc., Pleasanton, CA**
(Contractor to LLNL, Livermore, CA)
- Supported NARAC emergency responses including the 1991 metam sodium spill into Sacramento River, Desert Storm, Kuwaiti oil fires, and the 1986 Chernobyl accident; Tested and evaluated NARAC models against field tracer studies; Developed NARAC system software
- 1982-1985: **Manager, Air Quality Modeling Group, PLT International, Inc., Denver, CO**
- Developed a Nuclear Regulatory Commission NUREG 0654 emergency response system at the Fermi 2 Nuclear Power Plant
 - Conducted studies on fugitive dust and wood burning smoke in complex terrain
- 1980-1982 **Assistant Manager, Atmospheric Sciences Department, Environmental Sciences Division, Camp Dresser & McKee, Denver, CO**
- Managed 12 air quality projects for mining, oil shale, oil refining, and coal-fired power plants in the Rocky Mountain States including tracer and dispersion model evaluation studies
- 1976-1980: **Manager, Air Quality Modeling Applications Section, Environmental Research & Technology, Inc., Westlake Village, CA**
- Managed or contributed to 30 air quality monitoring, modeling, and permitting projects for mining, electric power, and petroleum industries
 - Performed meteorological analyses for national aerosol characterization studies including the Electric Power Research Institute Sulfate Regional Experiment (SURE)
- 1975-1976: **Scientist, Lockheed Electronics Co., Johnson Space Center, Houston, TX**
- Developed a phenological model for the NASA-USDA-NOAA Large Area Crop Inventory Experiment (LACIE) to predict worldwide wheat production

Education

- 1976 M.S. Atmospheric Science, University of California at Davis
Thesis: Air Quality Determinations in the Yosemite Valley, California Airshed
- 1972 B.S. Atmospheric Science, University of California at Davis

Professional Certification

- 1983-present: American Meteorological Society Certified Consulting Meteorologist #346

Professional Memberships

- 1970-present: American Meteorological Society
- 1983-2017: American Nuclear Society
- 1978-1990: Air & Waste Management Association, formerly Air Pollution Control Association

Working Groups, Associations, and Committees

- 2011-present: [EnviroComp](#) Senior Advisor
- 2014-2017: Member of the Board of the [American Meteorological Society Certified Consulting Meteorologists](#)

2016: American Nuclear Society Standards Working Group Chair for ANS 3.8.10 Criteria for Modeling Real-time Accidental Release Consequences at Nuclear Facilities

1989-2012: [US Federal Radiological Monitoring and Assessment Center \(FRMAC\)](#) member of Operations and Assessment Working Groups

1989-2012: US [DOE Emergency Manager's Issues Special Interest Group \(EMI SIG\)](#) member

1989-2012: US DOE EMI SIG [Subcommittee on Consequence Assessment and Protective Actions](#) member and chair of Source Term Working Group

1990-2009: US [DOE Accident Response Group](#) member

1990-present: [Nuclear Utilities Meteorological Users Group](#) member and host for List Serve

1995-2010: Bay Area Terrorism Working Group member

1995-2016: US DOE Meteorological Coordinating Committee (DMCC) member

1999-2015: American Nuclear Society Standards Working Group member for ANS/ANSI 3.11-2015 Determining Meteorological Information at Nuclear Facilities

2000-2010: US DOE Consequence Management Core Working Group member

2004-2016: [California Air Response Planning Alliance \(CARPA\)](#) member

2000-2004: California Air Response Planning Alliance Executive Committee

2003-2004: US Department of Homeland Security Working Group on Radiological Dispersal Device/Improvised Nuclear Device Preparedness (RDD/IND) member

2004-2010: US Department of Homeland Security IMAAC Technical Working Group member

1997-2000: American Nuclear Society Environmental Sciences Division Executive Committee

1997: ANS Sixth Topical Meeting on Emergency Preparedness and Response, Co-Chair

1995-1997: AMS Western Region Board of Certified Consulting Meteorologists

1996: AMS Workshop on Mesonets, Chair

1995-1998: Bay Area Mesonet Initiative, Chair

1995-1997: USAF Toxic Release Advisory Group member

1995-2000: US DOE Nuclear Emergency Search Team member

1995-1998: US DOE Accident Phenomena and Consequence Working Group member

1991-2000: LLNL Nuclear Incident Response Program member

Honors and Awards

2011 LLNL Global Security Directorate Gold Award in recognition of outstanding contributions to the Japan nuclear accident response and for continued dedication to the Laboratory and its mission

2009 LLNL Global Security Directorate Individual Gold Award for exemplary performance and outstanding dedication as a part of the Interagency Modeling and Atmospheric Assessment Center support of the 2009 Pre-Inaugural and Presidential Inauguration National Special Security Events

2008 LLNL Global Security Directorate Gold Award for exemplary performance and extraordinary dedication in working extended hours during the Top Officials 4 Full-Scale Exercise

2005 LLNL NAI Directorate Gold Award in recognition of outstanding achievement for providing exceptional support to the TOPOFF3 Full Scale Exercise

2004 LLNL Energy & Environment Directorate Award for dedication & exemplary response in support of the Department of Homeland Security New Year's Holiday Orange Alert

2002 US DOE Emergency Management Issues Special Interest Group Best Presentation

1997 NASA Group Achievement Award for Cassini Program support

1995 EG&G Energy Measurements General Manager's Vision Award for Technical Excellence

1991 LLNL Physics Directorate Award for extensive emergency response activities in support of Operations Desert Shield and Desert Storm predictions of potential releases of biological, chemical, and radiological substances and calculations of smoke distributions from Kuwaiti oil fields

Professional Training (selected)

2018 [AMS Short Course: The Art and Science of Forensic Meteorology](#), American Meteorological Society, January 7, 2018, Austin, TX.
2012 National Center for Atmospheric Research (NCAR) [Weather Research and Forecasting \(WRF\) modeling course](#) Boulder, CO.
2010 [US DHS FEMA Emergency Management Institute National Incident Management System](#), Intermediate and Advanced Incident Command System Training ICS-300 and ICS-400
2009 Stanford University Leading Matters Leadership Workshop
2006 [US EPA On-Scene Coordinator Readiness Training](#)
2005 [US DOE Radiological Assistance Program Training for Emergency Response](#)
2004 LLNL Training Dynamics Making Projects Work, Techniques plus People
2003 LLNL Supervision I: Roles, Responsibilities, and Resources,
2000 LLNL Supervision II: People, Performance and Problem Solving
1998 US DOE Emergency Management Personnel Orientation
1998 US DOD-DOE-FBI Nuclear, Biological, Chemical Preparedness Course
1998 US DOE FRMAC Leadership Course
1996 US DOE Nuclear Emergency Search Team Key Leader Training
1996 American Meteorological Society Legal Aspects of Applied Meteorology
1996 LLNL Understanding News Media
1993 US DOE Accident Response Group Orientation
1986 American Meteorological Society Short Course on Atmospheric Dispersion

Courses Delivered

2012-2016 Principles of Dispersion Modeling for Chemical, Biological, Radiological and Nuclear Releases. LLNL, Livermore, CA.
2009 Advanced Atmospheric Dispersion Modeling (NARAC 201). DOE Nuclear and Radiological Assistance Team, Washington, DC and DOE Aerial Measurements Survey, Las Vegas, NV.
2006-2009 IMAAC Overview and Web Training Class. Delivered to DHS, HHS, EPA, DTRA, and NOAA HQ and On-Scene Coordinators at EPA Regional Offices nationwide.
1999 Introduction to the Atmospheric Release Advisory Capability (ARAC). Short Course on Atmospheric Science and Risk Projections for Hazardous and Radioactive Material Releases, Harvard School of Public Health, Boston, MA.
1998 Meteorological Monitoring and Data. Short Course on Air Pollution Meteorology, American Meteorological Society, Phoenix, AZ.

Invited Talks

1. **Baskett, R.L.** 2019. A forensic study of an escaped prescribed burn near Salinas, California. LLNL Climate & Weather Seminar Series, March 6, 2019.
2. **Baskett, R.L.** and M.M. Bradley. 2012. Atmospheric Modeling for LLNL Wind Energy and Emergency Response Programs. San José State University Department of Meteorology and Climate Science, October 16, 2012. LLNL-PRES-591574.

3. **Baskett, R.L., G. Sugiyama, and J.S. Nasstrom.** 2008. Operational Emergency Response Modeling Systems for Use with Major Releases of Airborne Hazards. Air Quality in Emergency Response. California Air Response Planning Alliance. Sacramento, CA, October 15, 2008. LLNL-PRES-407706.
4. **Baskett, R.L.** 2006. Lawrence Livermore National Laboratory's National Atmospheric Release Advisory Center. Northern California AMS Chapter meeting, San Ramon, CA, April 6, 2006.
5. **Baskett, R.L.** 2003. LLNL Emergency Response Dispersion Modeling in support of Homeland Security. National Weather Service Media Workshop, San Francisco State Univ., May 12, 2003.
6. **Baskett, R.L.** 2001. Lawrence Livermore National Laboratory's Multi-Scale Atmospheric Dispersion Modeling for Emergency Response-Operations and Research. Massachusetts Institute of Technology Dept. of Aeronautics and Astronautics, Boston, MA, August 8, 2001.
7. Baker, M., and **Baskett, R.L.** 2001. Exploring Atmospheric Release Advisory Capability Support of US Coast Guard Planning and Response. US Coast Guard HQ, Washington, DC, August 3, 2001.
8. **Baskett, R.L.** 1999. ARAC Capabilities for Accidents and Terrorist Threats. Western Disaster Center and Business Executives for National Security Round-Table. Stanford Research Institute, Palo Alto, CA, March 10, 1999.
9. **Baskett, R.L.** 1998. Simulating the Atmospheric Consequences from the Oleum Tank Car Spill in Richmond, California. Univ. of Calif. Environmental Sciences Dept. Graduate Program, Berkeley, CA, October 14, 1998.
10. **Baskett, R.L.** 1993. Emergency response modeling from micro to global scales. University of Southern California Environmental Engineering Dept., Los Angeles, CA, January 22, 1993.

Reviewer for Journals

Atmospheric Environment

Journal of Applied Meteorology

Health Physics Journal

Environmental Management

Radiation Protection Dosimetry

Publications – Journal Articles (See also: [Google Scholar Profile](#))

1. Lucas, D.D., M.D. Simpson, P.J. Cameron-Smith, & R. L. **Baskett.** 2017. Bayesian inverse modeling of the atmospheric transport and emissions of a controlled tracer release from a nuclear power plant. *Atmos. Chem. & Physics*, acp-2017-336: <https://www.atmos-chem-phys.net/17/13521/2017/acp-17-13521-2017.pdf>.
2. Lucas, D.D., A. Gowardhan, M. D. Simpson, P.J. Cameron-Smith, & R. L. **Baskett.** Impact of meteorological inflow uncertainty on tracer transport and source estimation in urban atmospheres, 2016. *Atmospheric Environment* 143:120-132 <http://dx.doi.org/10.1016/j.atmosenv.2016.08.019>.
3. Mirocha, J. D., M.D. Simpson, J. D. Fast, L. K. Berg, and R. L. **Baskett.** 2015. Investigation of lower-atmospheric wind predictions during low-level jet events using the Weather Research and Forecasting model. *Wind Energy* 19(4): 739-762. <https://doi.org/10.1002/we.1862>.
4. Nasstrom, J.S., G. Sugiyama, R.L. **Baskett**, S.C. Larsen, and M.M. Bradley. 2006. The NARAC modeling and decision support system for radiological and nuclear emergency preparedness and response, *Intl. J. Emergency Management* 4 (3): 524-550. <https://narac.llnl.gov/content/mods/publications/research-and-development/LLNL-JRNL-228011.pdf>.

5. Craig, D.K., R.L. **Baskett**, J.S. Davis, L.L. Dukes, D.J. Hansen, A.J. Petrocchi, T.J. Powell, P.J. Sutherland, T.E. Tuccinardi, Jr. 1999. Recommended default methodology for analysis of airborne exposures to mixtures of chemicals in emergencies. *Appl. Occup. & Envr. Hygiene* **14** (9): 609-617.
6. Sullivan, T.S, J.S. Ellis, C.S. Foster, K.T. Foster, R.L. **Baskett**, J.S. Nasstrom, W.W. Schalk, III. 1993. Atmospheric Release Advisory Capability: Real-time modeling of airborne hazardous materials. *Bull. Amer. Meteor. Soc.* **74**: 2343-2361. <https://journals.ametsoc.org/toc/bams/74/12>.
7. Sullivan, T.J., J.S. Ellis, C.S. Foster, K.T. Foster, R.L. **Baskett**, J.S. Nasstrom, and W.W. Schalk, III. 1992. Modeling of air currents in the Gulf region. *Chapter 4. The Gulf War and the Environment*, F. El-Baz and R.M. Makharia, Ed., Gordon and Breach Science Publishers S.A., World Trade Center, Case postale 531, 1000 Lausanne 30 Grey, Switzerland; also LLNL UCRL-JC-110365. <http://www.osti.gov/scitech/biblio/10154384>.
8. Mueller, P. K., G.M. Hidy, K.K. Warren, T.F. Lavery, and R.L. **Baskett**. 1980. The occurrence of atmospheric aerosols in the northeastern United States. *Annals of the New York Academy of Sciences* **338**: 463-482.
9. Carroll, J. J. and R.L. **Baskett**. 1979. Dependence of air quality in a remote location on local and mesoscale transports: A case study. *J. Appl. Meteor.* **18**: 474-486. <https://journals.ametsoc.org/toc/jam/18/4>.
10. Morgan, D., Myrup, L., Rogers, D. and **Baskett**, R. (1977), Microclimates within an urban area. *Annals Association of American Geographers*, **67**: 55-65. doi:10.1111/j.1467-8306.1977.tb01120.x.

Publications – Technical Standards

1. American Nuclear Society (ANS) ANS-2.16 Criteria for Modeling Design-Basis Accidental Releases from Nuclear Facilities, 2015, author team.
2. American National Standards Institute (ANSI) & American Nuclear Society (ANS) ANSI/ANS-3.11 American National Standard for Determining Meteorological Information at Nuclear Facilities, 2005, 2015, author team.

Publications – Selected Conference Presentations

1. Dillon, M., M. Mastrangelo, D. Brown, C. Campbell, H. Byrnes, P. Roy, S. Mancieri, R. **Baskett**, R. Koopman. 2019. Recent Improvements to Industrial Chemical Safety, Preparedness, and Response Modeling. [Refinery And Chemical Industry Emissions Symposium](#). Nov 6-8, 2019. UC Davis.
2. Lucas, D. D., M. D. Simpson, C. S. Philip, R. L. **Baskett**. 2017. Optimizing Fukushima Emissions Through Pattern Matching and Genetic Algorithms, American Geophysical Union 2017 Fall Meeting.
3. **Baskett**, R. L. 2016. Dispersion Modeling for Emergency Planning and Response, Presented at: [A Case Study on Hydrofluoric Acid Incident Response, University of Texas Medical Branch, Galveston](#), TX, October 27, 2016, LLNL-PRES-706664.
4. Simpson, M. D., R. L. **Baskett**, D.D. Lucas, P.J. Cameron-Smith. 2016. [Impact of meteorological uncertainty on dispersion predictions in complex terrain](#). *Amer. Meteor. Soc. 19th Joint Conference on the Applications of Air Pollution Meteorology with the A&WMA*. January 10-14, 2016. New Orleans. LLNL-PRES-680782.
5. **Baskett**, R.L, Lucas, D.D., Simpson, M.D., & Cameron-Smith, P.J., Estimating plume dispersion at PG&E's Diablo Canyon nuclear power plant with WRF-FLEXPART, Meteorology and Climate - Modeling for Air Quality, September 16-18, 2015, Sacramento, CA. LLNL-POST-677256.

6. **Baskett, Ronald**, 2016. [Atmospheric Source Reconstruction with Uncertainty Quantification](#). LLNL Laboratory Directed Research and Development report 14-ERD-006.
7. Scott, Randall E., John M. Phillips, Dirk Cairns-Gallimore, Steven G. Homann, and Ronald L. **Baskett**. Technological Advances in Radiological Contingency Planning for the 2011 Mars Science Lab Mission. 2012. *Proceedings of American Nuclear Society Nuclear and Emerging Technologies for Space 2013*, Albuquerque, NM, February 25-28, 2013. [LLNL-CONF-597012](#).
<http://www.osti.gov/scitech/biblio/1073114>
8. **Baskett, R.L.**, Sugiyama, G., J.S. Nasstrom, and B.M. Pobanz. 2010. Interagency Modeling and Atmospheric Assessment Center (IMAAC) Support for Airborne Emergencies, *2010 California Air Response Planning Alliance (CARPA) Training Summit*, Sacramento, CA, December 14, 2010. LLNL-ABS-463213.
9. **Baskett, R.L.**, G. Sugiyama, J.S. Nasstrom, and B.A. Davis. 2007. The Interagency Modeling and Atmospheric Analysis Center, *DHS National BioWatch Workshop*, Chicago, IL. LLNL UCRL-POST-233905.
10. **Baskett, R.L.**, G. Sugiyama, J.S. Nasstrom, and B.A. Davis. 2007. The Interagency Modeling and Atmospheric Analysis Center, presented and the DHS National BioWatch Workshop, Chicago, IL. LLNL UCRL-POST-233905.
11. Sugiyama, G., R.L. **Baskett**, J.S. Nasstrom, B.M. Pobanz, B.A. Davis, and D.R. Bowman. 2007. Interagency Modeling and Atmospheric Assessment Center (IMAAC), Top Officials (TOPOFF) 4 National Exercise Cycle of Events, & Weapons of Mass Destruction (WMD) Threat: Radiological Dispersal Device (RDD) National Seminar, Washington, DC, January 10-11, 2007.
12. **Baskett, R.L.** and M.B. Dillon. 2006. IMAAC Support of the Top Officials 3 National Exercise. LLNL Energy and Environment Directorate's Review Committee. March 7, 2006. LLNL UCRL-POST-219571. April 21, 2006. LLNL UCRL-ABS-220753.
13. Davis, B.A., R.L. **Baskett**, and G. Sugiyama. 2005. The Interagency Modeling and Atmospheric Assessment Center (IMAAC). Technologies for Critical Incident Response Conference & Exposition, San Diego, CA, October 31-November 2, 2005. LLNL UCRL-POST-216674.
14. **Baskett, R.L.** 2003. The Local Integration of the National Atmospheric Release Advisory Center's Tools and Services with the City of Albuquerque. *Homeland Security Combating Terrorism Conference*, Albuquerque, NM, October 27-31, 2003. LLNL UCRL-JC-155295-ABS.
15. **Baskett, R.L.** 2003. Atmospheric Transport and Dispersion Modeling Support for Homeland Security. George Mason University, Fairfax, VA, June 19, 2004. UCRL-PRES-153912-1.
16. **Baskett, R.L.** 2002. DOE Emergency Planning and Response Assets – Atmospheric Modeling. *AWMA & ACHMM Environmental Security after 9-11*. San Francisco, CA, August 22, 2002.
17. **Baskett, R.L.**, Aluzzi, F.J., Bowen, B.M., C.S. Foster, J.S. Nasstrom, B.M. Pobanz, and P.J. Vogt. 2002. Multi-agency Utilization of the National Atmospheric Release Advisory Center. *Amer. Nucl. Soc. Annual Meeting*, Washington, DC. LLNL UCRL-JC-149004-EXT-ABS.
<https://narac.llnl.gov/content/mods/publications/applications-incident-responses/UCRL-JC-149004-EXT-ABS.pdf>
18. **Baskett, R.L.** 2000. NARAC Internet and Web Technologies for the Radiological Assistance Program. DOE Regional Response Coordinator Conference. Albuquerque, NM. November 13-15, 2000.
19. **Baskett, R.L.** and J.C. Pace. 1999. ARAC's radiological support of the Cassini launch. *Midyear Meeting Health Physics Society*, Albuquerque, NM, January 24-27, 1999. UCRL-JC-131723.

- <https://narac.llnl.gov/content/mods/publications/applications-incident-responses/UCRL-CONF-131723.pdf>
20. **Baskett, R.L., R.L. Lee, W.A. Nuss, R.D. Bornstein, D.W. Reynolds, T. Umeda, F.L. Ludwig, 1998.** The Bay Area Mesonet Initiative (BAMI): A cooperative effort to develop and operate a real-time mesoscale network in the greater San Francisco and Monterey Bay Areas. *Second Conf. on Coastal Atmos. & Oceanic Prediction and Processes*, Amer. Meteor. Soc., Phoenix, AZ, January 11-16, 1998.
21. Craig, D.K., **Baskett, R.L.** et al. 1997. Comprehensive default methodology for the analysis of exposures to mixtures of chemicals accidentally released to the atmosphere. 1996 annual meeting of the Energy Facility Contractors Group computer aided design/computer aided engineering facilities users` group, Irvine, CA. WSRC-MS--97-0395; <http://www.osti.gov/scitech/biblio/505312>
22. Gouveia, F.J. and R.L. **Baskett.** Evaluation of a new sonic anemometer for emergency response applications. 1997. *Sixth Topical Meeting on Emergency Preparedness and Response*. San Francisco, CA, April 22-25, 1997. LLNL UCRL-JC-126762. <http://www.osti.gov/scitech/biblio/496241>
23. **Baskett, R.L., M.D. Blair, C.S. Foster, and A.G. Taylor.** 1997. The Expansion of ARAC for Chemical Releases. *Sixth Topical Meeting on Emergency Preparedness and Response*. San Francisco, CA, April 22-25, 1997. LLNL UCRL-JC-125152. <http://www.osti.gov/scitech/biblio/314078>
24. **Baskett, R.L., R.L. Lee, J. R. Albritton, J.S. Nasstrom, J.M. Leone, Jr., G.A. Sugiyama, H. Walker, and D.A. Sumikawa.** 1996. ARAC III: Next Generation ARAC System. *Fourth Nuclear Utilities Meteorological Data Users Group Meeting*, San Francisco, CA, April 24-26, 1996.
25. **Baskett, R.L.** 1996. Use of ARAC's National Response Center for Toxic Chemical Releases, 1996 *Virginia Hazardous Materials Conference*, Virginia Beach, VA, September 26-28, 1996.
26. **Baskett, R.L., Pace, J.C., C.S. Foster, W.W. Schalk, and B.M. Pobanz.** 1995. ARAC support of 1995 Vandenberg AFB launches. *JANNAF Propulsion and Subcommittee Joint Meeting*, Tampa, FL, December 4-8, 1995. LLNL UCRL-JC-120662-ABS. <https://narac.llnl.gov/content/mods/publications/applications-incident-responses/UCRL-ID-121547.pdf>
27. Daniels, J. I. and R.L. **Baskett.** 1995. Recommended launch-hold criteria for protecting public health from hydrogen chloride gas produced by rocket exhaust. Joint Army, Navy, NASA, Air Force (JANNAF) Safety and Environ. Protection Meeting, December 5-8, 1995, Tampa, FL. The Johns Hopkins University Chemical Propulsion Information Agency, Columbia, MD, *CPIA Publication N°.* 634, pp. 1-10. <http://www.osti.gov/scitech/biblio/208316>
28. **Baskett, R.L., P.J. Vogt, W.W. Schalk, III, C.S. Foster, and J.S. Ellis,** 1994. The Challenge of emergency response dispersion models on the meso-gamma urban scale: A case study of the July 26, 1993 oleum tank car spill in Richmond, California. *ANS Fifth Topical Meeting on Emergency Prepared. & Response*, April 18-21, 1994, Savannah, GA. LLNL UCRL-JC-118082. <https://narac.llnl.gov/content/mods/publications/applications-incident-responses/UCRL-JC-118082.pdf>
29. **Baskett, R.L., T.J. Sullivan, J.S. Ellis, and C.S. Foster.** 1994. The role of ARAC in a FRMAC response at a nuclear power plant incident. *Proceedings of the Nuclear Utilities Meteorological Users Group Workshop*, Charlotte, NC, October 20-21, 1994. LLNL UCRL-JC-115998. <http://www.osti.gov/scitech/biblio/10114991>
30. **Baskett, R.L., J.S. Ellis and T.J. Sullivan.** 1994. Real-time modeling of complex atmospheric releases in urban areas. *Proceedings of the International Workshop on the Scientific Bases for Decision Making after a Radioactive Contamination of an Urban Environment*, Comissao Nacional de Energia Nuclear, Rio de Janeiro, August 29-30, 1994. LLNL UCRL-JC-115998. <http://www.osti.gov/scitech/biblio/10178717>

31. **Baskett, R.L., J.S. Nasstrom, J.J. Watkins Jr., J.S. Ellis, and T.J. Sullivan.** 1992. Atmospheric modeling of the July 1991 metam sodium spill into California's Upper Sacramento River. Pittsburgh, PA: Air & Waste Mgmt. Assoc. *Proc. of the 85th Annual Mtg. of the Air & Waste Mgmt. Assoc.* Paper 92-155.01., Kansas City, MO, June 22-26, 1992.
<https://narac.llnl.gov/content/mods/publications/applications-incident-responses/UCRL-JC-109835.pdf>
32. **Baskett, R.L. and R. T. Cederwall.** 1991. Sensitivity of numerical dispersion modeling to explosive source parameters. Pittsburgh, PA: Air & Waste Mgmt. Assoc. *Proc. of the 84th Annual Mtg. of the Air & Waste Mgmt. Assoc.* Paper 91-86.5, Vancouver, B.C. June 16-21, 1991.
<http://www.osti.gov/scitech/biblio/5898311>
33. **Baskett, R.L., J.S. Nasstrom, and R. Lange.** 1990: Emergency response model evaluation using Diablo Canyon Nuclear Power Plant Tracer Experiment. Bruxelles, Netherlands: North Atlantic Treaty Org. *Proc. of the 18th Intl. NATO/CCMS Tech. Mtg. on Air Poll. Modeling and its Appl.*, Vancouver, B.C.