

## ERIC M. ZWERLING, M.S., INCE, ASA

Rutgers University Noise Technical Assistance Center  
14 College Farm Road  
New Brunswick, NJ 08901

The Noise Consultancy, LLC  
309 Van Neste Rd  
Flemington, NJ 08822

### CURRENT POSITIONS

- 1991-Present *Director* – Rutgers Noise Technical Assistance Center  
Department of Environmental Sciences  
Rutgers - The State University of New Jersey
- 1999-Present *President* - The Noise Consultancy, LLC  
Noise Consultant/ Expert Witness (Since 1992)  
[Expert for the Defendants, City of New York Law Department -  
United States District Court for the Southern District of New York]
- 1993-Present *Noise Enforcement Expert* - New Jersey Department of Environmental  
Protection. Contracted (as Director of the RNTAC) to provide technical expertise  
on noise related issues to the NJDEP and the State of New Jersey
- 1998-Present Committee Member - S12 Working Group 41, Model Community Noise  
Ordinances. Acoustical Society of America
- 2001-Present Committee Member - Technical Study Group on Community Noise  
Institute of Noise Control Engineering
- 1994-Present *Instructor* - "Community Noise" in 'Environment and Public Health Course,"  
Rutgers Continuing Education Program, Cook College Office of Continuing  
Professional Education.
- 1998-2011 *Instructor* - "Noise Hazards" in 'Fundamentals of Industrial Hygiene'.  
University of Medicine and Dentistry of New Jersey, School of Public Health,  
Office of Public Health Practice
- 1992-2005 *Adjunct Professor*- Rutgers University Department of Environmental  
Sciences. Course: 375:336 'Community and Occupational Noise'
- 1998-2000 Commissioner - Franklin Township (NJ) Environmental Commission
- 2010-Present Board of Education, Chair – Green Committee  
Readington Township, New Jersey
- 2017-Present Chair – Subcommittee  
New Jersey State Noise Code NJAC 7:29 - Amendments  
New Jersey Noise Control Council  
New Jersey Department of Environmental Protection

## **PROFESSIONAL AFFILIATIONS**

Member - Acoustical Society of America  
Member – Institute of Noise Control Engineering

## **EDUCATION**

ABD Ph.D. Candidate  
Rutgers - the State University of New Jersey  
Department of Environmental Sciences

Occupational Hearing Conservationist  
Council for Accreditation in Occupational Hearing Conservation.

Graduate Certificate in Environmental Ethics -  
Department of Philosophy, University of Georgia.

B.S., M.S. University of Georgia.

## **JURISDICTIONAL CERTIFICATIONS**

Approved Noise Control Investigator  
New Jersey Department of Environmental Protection  
Pursuant to N.J.A.C. 7:29 -2.11(a)3

Approved Noise Consultant  
New York City Department of Environmental Protection  
Pursuant to N.Y.C.A.C. Section 24-231

Approved Instructor  
State of Michigan  
Department of Licensing and Regulatory Affairs  
Bureau of Construction Codes

## **AWARDS**

1997 *Advisor of the Year Award*  
Rutgers College Student Activities Advisory Council  
Faculty Advisor - Students for Environmental Awareness

2016 *Sustainable Raritan Award*  
Outstanding Achievement in Public Education  
Sustainable Raritan River Collaborative and Rutgers' Sustainable Raritan River Initiative

## **PUBLICATIONS**

Zwerling, E.M. 2015. Proposed Noise Standard for Wind Turbine Generators on Farms.  
State Agriculture Development Committee, New Jersey Department of Agriculture.

Zwerling, E.M, A. Myers, C. Shamoan. 2012. Analysis of the "Plainly Audible" Standard for Noise Ordinances. Proceedings of Inter- Noise 2012. Institute of Noise Control Engineering.

Zwerling, E.M., C. Shamoan. 2010. Proactive Regulation Engenders Creative Innovation - Quietening the Jackhammer. Proceedings of Noise-Con 2010. Institute of Noise Control Engineering.

Szulecki, S., E. Zwerling, C. Anderson, B. Turpin. 2010. Modeling with CadnaA to estimate the probability of awakening associated with train horns. Proceedings of Noise-Con 2010. Institute of Noise Control Engineering.

Zwerling, E.M., C. Anderson, S. Szulecki, F. Maimone, B. Turpin. 2009. Study of Train Noise in Teaneck, NJ. USEPA Agreement Number: X-83245701-0

Zwerling, E.M. 2005. Regulatory Scheme For Noise Enforcement In New Jersey . *Invited paper*. Journal of the Acoustical Society of America.V.118, No. 3, Pt 2 of 2, Sept. 2005, p. 1849.

Zwerling, E.M. 2004. Training as a Critical Component of Successful Noise Enforcement Programs. *Invited paper*. Journal of the Acoustical Society of America.V.115, No. 5, Pt 2 of 2, May 2004, p. 2568.

Zwerling, E.M. 2004. Noise Enforcement in Cities. *Invited paper*. Journal of the Acoustical Society of America.V.115, No. 5, Pt 2 of 2, May 2004, p. 2593.

Zwerling, E.M. 2002. Characteristics of Successful Local Noise Enforcement Programs. *Invited paper*. Journal of the Acoustical Society of America.V.112, No. 5, Pt 2 of 2, Nov. 2002, p. 2375.

Zwerling, E.M. 2002. Boom Car and Boom Box Code Drafting. The Quiet Zone. Spring 2002.

Zwerling, E.M. 2002. Hearing Protection. In *Encyclopedia of Public Health*, ed. Lester Breslow. Macmillan Reference USA.

Zwerling, E.M. 2001. Vehicle Enforcement. Rutgers Noise Technical Assistance Center. Developed for North Salem, NY

Zwerling, E.M. 2000. Regulation of Amplified Sound Sources. Proceedings of Noise-Con 2000. Acoustical Society of America / Institute of Noise Control Engineering. Newport Beach , CA. December 3-5, 2000 .

Zwerling, E.M. 2000. State of Michigan Model Noise Ordinance. Proceedings of Michigan Municipal League Annual Convention/ Michigan Association of Municipal Attorneys Annual Meeting. September 28-30, 2000 , Macinac Island , MI .

Zwerling, E. M. Contributing Editor. 1991-Present. Community Noise Enforcement. Rutgers Noise Technical Assistance Center.

Zwerling, E. M. Contributing Editor. 1998. Vehicle Sound Reproduction Enforcement. Rutgers Noise Technical Assistance Center. Developed for the City of Rochester, New York

Zwerling, E.M. 1997. Community Noise Enforcement: A Mature Technology. Hearing Rehabilitation Quarterly. 22:4, 4-8+.

Zwerling, E.M., D. Pinto, P. Hanna, J. Lepis, B. Turpin. 1997. Local Noise Enforcement Options and Model Noise Ordinance *With Pre-Approved Language for the State of New Jersey*. Rutgers Cooperative Extension Publication #E215.

Zwerling, E.M. 1997. Community Noise Infosheet. Environmental and Occupational Health Sciences Institute. Public Education and Risk Communication Division.

Zwerling, E.M. 1996. Turning Down the Volume: Effective Strategies for Community Noise Enforcement. *The Police Chief*. V. 63, Dec. 53-59.

Zwerling, E. M. & B. J. Turpin. 1996. Community Noise Enforcement: Reviving a Moribund Program or Developing One Anew. Proceedings of Noise-Con 96, The 1996 National Conference on Noise Control Engineering. 955-960.

Zwerling, E.M. 1996. Community Noise Pollution Certification and Assistance. Home page for Rutgers Noise Technical Assistance Center. <http://www.envsci.rutgers.edu/org/rntac/>

### **RESEARCH PROJECTS** (at Rutgers University, as P.I. or Co-P.I.)

"Assistance Regarding Noise Standards for Wind Turbines on Farms," Granting Agency: New Jersey State Agricultural Development Commission (SADC), 2011 - 2015.

"Assistance Regarding Noise Standards for Photovoltaic Installations on Farms," for New Jersey State Agricultural Development Commission (SADC), 2010.

"Railroad Noise in Teaneck, New Jersey" Granting Agency: United States Environmental Protection Agency, 2005 - 2009.

"Road Noise Educational Outreach Program," Granting Agency: New Jersey Department of Transportation, 2002.

### **CONFERENCE PRESENTATIONS**

Community Noise Control: Reviving a Moribund Program or Creating One Anew. International Code Council 2013 Conference. Atlantic City, NJ. September 30, 2013.

Emerging Noise Issues: Emergency Generators and Beach Bars. *Invited Presentation*. New Jersey Environmental Health Association Annual Public Health Conference. Atlantic City, NJ March 5, 2013.

Must we regulate civility? Yes, unfortunately. But, is it effective? *Invited lecture*. stillspotting ( ) nyc . Guggenheim Museum. New York City. October 9, 2012.

Analysis of the "Plainly Audible" Standard for Noise Ordinances. Proceedings of Inter- Noise 2012. Institute of Noise Control Engineering. August 22, 2012.

Proactive Regulation Engenders Creative Innovation - Quieting the Jackhammer. *Invited Paper*. Proceedings of Noise-Con 2010. Institute of Noise Control Engineering. Baltimore, MD, April 20, 2010.

Environmental Health and Noise: Issues and Answers. *Invited Presentation*. New Jersey Environmental Health Association Annual Public Health Conference. Atlantic City , NJ March 3, 2008.

Noise Primer For Legal Professionals. *Invited Presentation*. New York State Bar Association Environmental Law Section Fall Meeting. Saratoga Springs , New York . October 13, 2007.

How to Control Noise Pollution in Your Community. *Invited Presentation*. 90th Annual Conference - New Jersey State League of Municipalities. Atlantic City , NJ November 15, 2005.

Regulatory Scheme for Noise Enforcement in New Jersey . *Invited Paper*. 150th Meeting - Acoustical Society of America . Minneapolis , MN October 17-21, 2005.

Noise Enforcement in Cities. *Invited Paper*. 147th Meeting - Acoustical Society of America . New York , New York May 24-28, 2004.

Training as a Critical Component of Successful Noise Enforcement Programs. *Invited Paper*. 147th Meeting - Acoustical Society of America . New York , New York May 24-28, 2004.

Community Noise Impacts. *Invited Presentation*. Topics in Public Health. New Jersey Department of Health and Senior Services. April 16, 2003.

Characteristics of Successful Local Noise Enforcement Programs. *Invited Paper*. First Pan-American/Iberian Meeting on Acoustics. Jointly Sponsored: Acoustical Society of America , the Iberoamerican Federation of Acoustics and the Mexican Institute of Acoustics. Cancun , Mexico .Dec 2-6, 2002.

Community-Based Environmental Noise Management, *Invited Panelist*; The Role of State and Local Governmental Agencies in Noise Abatement and Control, *Invited Panelist*. Inter-Noise 2002, The 2002 International Congress and Exposition on Noise Control Engineering. Dearborn , MI Aug. 19-21, 2002.

Community Noise Regulation and Enforcement: Theory and Practice. American Association of Code Enforcement. 4th Semi-Annual Education Conference. Bowie , MD. May 1-3, 2002.

Regulation of Amplified Sound Sources. Noise-Con 2000. Acoustical Society of America/Institute of Noise Control Engineering. Newport Beach , CA. December 3-5, 2000.

Writing and Enforcing a Noise Ordinance. Michigan Municipal League Annual Convention. Nuts and Bolts of Writing a Noise Ordinance. Michigan Association of Municipal Attorneys Annual Conference. Macinac Island , MI , September 28-30, 2000.

Municipal Noise Regulation - Theory and Practice. International Municipal Lawyers Association, Mid-Year Seminar. Washington , D.C. April 9-11, 2000.

Effective Strategies for Community Noise Enforcement:

Michigan Municipal League 9th Annual Education Conference. Mt. Pleasant, MI.  
March 11, 1998.

The Association of Towns of the State of New York , Annual Meeting,  
Educational Training Courses. New York City , February 16, 1998 .

American Association of Code Enforcement 8th Annual Business and Educational Conference. Hagerstown , MD , October 20-25, 1997.

Community Noise Enforcement: Reviving a Moribund Program or Developing One Anew. Noise-Con '96, The 1996 National Conference on Noise Control Engineering, Seattle, WA, September 29-October 2, 1996.

## **NOISE ENFORCEMENT CERTIFICATION COURSES TAUGHT**

Community Noise Enforcement  
Vehicular Noise Enforcement  
Vehicle Sound Reproduction Enforcement  
Motor Sports Ordinance Enforcement  
Octave Band Analysis for Enforcement Purposes

### **New Jersey :**

Certification and recertification - every three months, 1991 to present.

### **On-Site:**

New Rochelle, NY; Jacksonville, FL (five times); Long Beach, NY (three times); Everett, WA; St. Augustine, FL (three times), Seattle, WA (three times); Fairfax County, VA (twice); Neptune Beach, FL; Gainesville, FL; Anchorage, AK (twice); Binghamton, NY (twice); Washington State Association of Code Enforcement (three times); Ft. Collins, CO; Shelter Island, NY (four times); New York City, NY [NYC DEP, NYPD, NYC Parks, NYC DDOC] (eight times); Rochester, NY; Newport, RI; Platekill, NY; Traverse City, MI (three times); Prince George's County, MD; East Hampton, NY (twice); College Park, MD (twice); DeKalb County, GA (four times); Twinsburg, OH; Sandusky, OH; North Salem, NY; Honolulu, HI; Lafayette, LA (twice); Philadelphia, PA (twice); Barbados, West Indies (twice); Freeport, NY (twice); Collier County, FL (three times); MASS DEP; Walton County, FL (three times); Montgomery County, MD (twice); Greenville County (SC); Vancouver B.C. (three times); Panama City Beach, FL (twice); Matanuska-Susitna Borough, AK; Union, OH; Ithaca, NY (three times); Rehoboth Beach, DE; Southampton, NY (twice); Union, OH; Mercer County (NJ) Parks Department

## **ON-SITE ORDINANCE DEVELOPMENT WORKSHOPS**

Lafayette, LA; Traverse City, MI; Plattekill, NY; St. Augustine, FL; Charleston County, SC; Lansing, MI; DeKalb County, GA; Walton County, FL, Overland Park, KS; Greenville County, SC, Decatur, AL; Yonkers, NY; Ossining, NY; Newport RI; Monroe County, FL; Fort Lauderdale, FL; Panama City Beach, FL

## **PARTIAL LIST OF CLIENTS**

City of New York Law Department; City of Philadelphia Law Department, Environmental & Regulatory Compliance Division; U. S. State Department; City of New York Police Department; Bergen County (NJ) Utilities Authority; New York City Department of Environmental Protection; New York State Office of Attorney General; McDonald's Corporation, Lafayette (LA) Consolidated Government; McGlinchey Stafford (New Orleans); Gaeta Recycling, Inc.; National Ecology; Browning Ferris Industries; Township of Manalapan (NJ); Kansas State Legislature; Readington

Township (NJ); City of Lansing (MI); City of Tacoma (WA); City of St. Augustine (FL); Atlantic Development and Management Corp.; CareMatrix Corporation; County of Charleston (SC); DeKalb County (GA); Greenville County (SC); Ethicon, Inc.; City of Yonkers (NY); Walton County (FL); City of Overland Park (KS); City of Newport (RI); City of Ossining (NY); Franklin Township (NJ); Alliance to Save Southern Ulster's Rural Environment; Roche Molecular Systems; Wheelabrator, Inc.; Monroe County (FL); City of Juneau (AK); Township of Branchburg (NJ); City of Eugene (OR); Union County United (PA); City of Fort Lauderdale (FL); City of Panama City Beach (FL); Stop & Shop Supermarket Company; Track Racket (Millville, NJ); Green Lawn Cemetery (Columbus, OH); Nissan Motor Company, Ltd.; City of Union (OH); City of Ithaca (NY); SA Engineering; Upper Deerfield Township (NJ); Serra Toyota (Traverse City, MI); City of Norwalk (CT), Coronet Inc.