

Boards & Commissions Application



I am interested in serving on the following boards/commissions. (Please indicate the order of preference).

1. Environmental Performance Standards Advisory Com 2. _____

As an applicant/member of a Council-appointed Board or Commission, your name, address, and phone number will be available to the press and public. Information will be kept on file for three years. Public discussion of information contained herein may occur in the meeting at which appointments are considered by the City Council.

Mr. Mrs. Ms. Miss. Dr. (Please type or print clearly)

Name: Striebig Bradley A **Date:** 10/06/16
(Last) (First) (M.I)

Home Address: 3235 Clement Drive, Harrisonburg **Zip Code:** 22801

Phone Number: 540-908-8895 **Alternate Phone:** 540-568-8895

Occupation: Professor of Engineering **Employer/Organization:** James Madison University

E-mail: striebsba@jmu.edu **Harrisonburg resident for** 8 **years.**

Were you referred by anyone: Yes No **Name of Referring Party:** Rob Alexander

How did you hear about volunteering on a board or commission? Cable Website Council Meeting
 Other: Rob Alexander

Why do you wish to serve on a board or commission?

I am writing to express my interest in serving on the Harrisonburg Environmental Performance Standards Advisory Committee. My academic and professional experience make me uniquely qualified to contribute to the Committee and sustainable and resilient design in Harrisonburg. I have taught courses on Green Building and residential design at Penn State University, Gonzaga University and JMU. In fact, I literally wrote the book on "Engineering Applications in Sustainable Design and Development", an award winning book published by Cengage publishing in 2016. I have been involved in sustainable development projects in several states including Virginia, Pennsylvania, and Washington as well as international projects in Benin, India, Kenya, Malta, and Rwanda. I believe this broad engineering experience can benefit the long-term economic development of Harrisonburg while helping to develop environmental performance standards that maintain Harrisonburg's unique character while promoting smart growth of Harrisonburg's downtown and commercial venues.

What relevant experience or education do you have to this board or commission?

I have over 25 years of engineering experience. I received my Bachelors degree in Civil Engineering form Penn State in 1991, a Masters of Science degree in Environmental Systems Engineering in 1993, and my Ph.D. in Environmental Engineering from Penn State in 1996.

From 1995 to 2003, I was responsible for over 7.3 million dollars in funding to research efforts in which I was a collaborator or Principal Investigator. Over 60 technical publications on advanced oxidation, biological control systems, waste management and odor control practices describe the research performed with the ETG at Penn State during this time. The Naval Surface Warfare Center, Carderock, MD and the Department of Navy Manufacturing Technology Program awarded 6.3 million dollars over several years for the design, development and demonstration of an Automated Paint Application, Containment and Treatment System (APACTS). I coordinated the joint effort between Penn State's Applied Research Laboratory, Penn State's Mechanical Engineering Department, Oceaneering Inc. and the Naval Surface Warfare Center in Carderock, MD to develop the APACTS system.

The opportunity to develop an environmental engineering concentration at the nationally renowned School of Engineering at Gonzaga University directly appealed to my passion for engineering education. I was able to enhance the Civil Engineering curriculum at Gonzaga University by developing required courses in environmental chemistry, environmental engineering and several technical electives in environmental systems engineering, low impact development (LID) and developing an award winning i

What other interests or concerns do you have regarding the community?

Harrisonburg has a growing service economy due to the influence of multiple institutions of higher learning that attract many bright young people to the community. In addition, Harrisonburg has strong health care resources and a wonderful climate that make it an appealing place for retirees from all over the country. Yet, harrisonburg still maintains a wonderful rural atmosphere and agricultural heritage in the heart of the East Coast's breadbasket. At times the requirements for various skill levels in the workforce collide and potentially conflict. Harrisonburg has the potential to growth and thrive in the 21st century economy. But in order to do so, it must reinvent and reinvigorate its existing infrastructure, deal with housing issues for people with all incomes, and maintain its place as an epicenter for acquiring an attainable education from pre-school through college. These create a wide range of demands upon the city's physical, virtual and human infrastructure. I believe it will require people with a wide range and depth of experience to create a diverse community that provides for its citizen's needs and helps the children and young people in the community achieve their dreams.

Please list any past or present community involvement e.g. City Council, Board and Commissions, Citizen Academy, etc. in Harrisonburg or elsewhere:

SEE ATTACHMENT

-Please return completed application to the City Manager's Office-

Applicants are encouraged to attach a resume or other supporting information that may be helpful to Council in considering their application.

409 S. Main Street, Harrisonburg, VA 22801

Tel:(540)432-7701 **Fax:**(540)432-7778 **E-mail:**Erica.Kann@harrisonburgva.gov

Please list any past or present community involvement e.g. City Council, Board and Commissions, Citizen Academy, etc. in Harrisonburg or elsewhere.

Interfaith Peace Camp Volunteer sponsored by EMU from 2011 - 2016

Volunteer Judge for Intel Shenandoah Regional Science Fair, Judge, Spring Break, March 8th, 2016

Support for Rockingham County Pence Middle School Water and Environment Field Trip at Riven Rock County Park, April 19th, 2016.

Volunteer Judge for First Lego League State Competition

Dallastown Area High School Science Fair Judge, York, PA

Volunteer judge for ONR SeaPerch National Engineering Challenge in Manassas, VA

Presentation of Benin water project to Eastern Mennonite Elementary School

Tour of Harrisonburg Water Treatment Plant with Eastern Mennonite Elementary School

Presentation on Project Based Service Learning in JMU's Engineering curriculum at the Army Corps of Engineering's Engineering day for high school students 3/21/2009

Invited to speak to high school students at the Army Corps Engineering Day on 3/23/2010

Virginia Junior Science and Humanities Symposium – 3/18/11, Harrisonburg, VA

Take-a-peek Presentation for Waynesboro High School students, 2011

Invited speaker for presentations to State College, PA Elementary Schools (3) on "In The Big Forest". May 22nd-23rd, 2011.

Keynote speaker: International Society of Research Administrators Western Chapter. March 9-11th, 2008.

Invited speaker: SINES (Society of Inland Northwest Environmental Scientists). November 14th, 2007.

Invited speaker: Engineers Without Borders – Inland Northwest Profession Chapter. October 24th, 2007.

Invited speaker: ASCE Inland Empire Section. September 19th, 2007.

Technical reviewer for the Journal of Environmental Engineering and Science and Water Environment Research (On-going)

Invited speaker: Sustainable Infrastructure Solutions for Low-Cost Housing. September 15, 2006 at the Kigali Institute of Science and Technology, Kigali, Rwanda.

Invited member of the Advisory Panel for the 2006 Cool Pavements Conference to be held at Arizona State University April 24, 2006 in partnership with the U.S. EPA.

Technical Reviewer and Project subcommittee member for WERF RFP 04-CTS-1, Minimization of Odors and Related Corrosion in Collection Systems. 2005 - 2007.

Pacific Northwest Clean Water Association Odor and Air Quality Committee, Vice Chairman, and workshop organizer. 2004 - 2006.

Technical Reviewer for the US EPA/USDA Final Quality Assurance Project Plan (QAPP) for Multi-Media Sampling at Biosolids Land Application Sites, Contract No. 68-C-00-159, Task No. 42. 2004.

Grant reviewer for California Energy Department's "Public Interest Energy Research (PIER)", 2003.

Technical reviewer and panelist, NSF SBIR/STTR Environmental Technology Program, 2001.

Session Co-Chair for Modeling, Analysis and Management of Odors for the 94th Annual Conference and Exhibition of the Air and Waste Management Association (AWMA) in Orlando, FL. June 24-28, 2001.

Invited Speaker at the Northeastern Regional Association of Agricultural Experiment Station

Directors Meeting. Application of Sewerage Biosolids to Agricultural Soils in the Northeast: Long-term Impacts and Beneficial Uses. Durham, NH June 11 –12, 2001.

Contributor and technical reviewer for the State of the Art Report in Environmental Issues in the Shipbuilding Industry published by the National Shipbuilding Research Program 2001.

Expert Witness for Attorney Finis Williams in the case of Joanne M. Marshall, et. al. vs. Wheelabrator Water Technologies, Inc., et al. 2000.

Session Chair for Odor Management and Regulation for Odors and VOC Emissions 2000, a specialty conference sponsored by the Water Environment Federation. Cincinnati, OH. April 16-19, 2000.

Session Co-Chair for Odor Management and Regulation for the 93rd Annual Meeting and Exhibition of the Air and Waste Management Association (AWMA) in Salt Lake City, Utah from June 18-20, 2000.

Invited Participant in the Operations and Design to Control Ultimate Recycling and Disposal Odors of Biosolids Workshop sponsored by the EPA and WEF, Potomac, MD. November 16-18, 1999.

Guest Speaker Invited by the PA DEP for the Biosolids Working Group Meeting on July 9th, 1999 in the Rachel Carlson Building, Harrisburg, PA.

Supplemental Questions for Environmental Performance Standards Advisory Committee (EPSAC) Application

- 1) The EPSAC will be meeting up to once per month. Meetings will typically take place between 5-7pm. Are you typically available during these times? Yes No

- 2) City Council is seeking EPSAC members to represent broad stakeholder interests within the city. If you will be participating on the EPSAC as a representative of a business, group, or organization, please provide the name of the business, group, or organization and indicate what stakeholder category the group represents. If more than one, please list all.
 - A. Residents, civic leagues, homeowners associations.
 - B. Institutional and tax exempt entities including colleges and churches.
 - C. Business community including residential, commercial and industrial property owners, malls, and business groups.
 - D. Professional engineers, real estate developers, and construction contractors.
 - E. Special interest groups that represent economic development, environmental or outdoor recreation.
 - F. Others, education professionals from the local schools and city staff

| Business, Group, or Organization Name | Category |
|--|-----------------|
| <u>Example X Homeowners Association</u> | <u>A</u> |
| <u>James Madison University</u> | <u>B</u> |
| <u>Trinity Presbyterian Church</u> | <u>B</u> |
| <u>Striebig Photography & Design, LLC.</u> | <u>C</u> |
| <u>Engineer</u> | <u>D</u> |
| <u>Fishing and Kayaking Org., Like Trout Unlimited</u> | <u>E</u> |