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BRYANT BROWNE
(FORM UPDATED: 08/11/2010)

WISCONSIN STATE LEGISLATURE ... PUBLIC HEARING - COMMITTEE RECORDS

2005-06

(session year)

Senate

(Assembly, Senate or Joint)

Committee on Natural Resources and Transportation...

COMMITTEE NOTICES ...

- Committee Reports ... **CR**
- Executive Sessions ... **ES**
- Public Hearings ... **PH**

INFORMATION COLLECTED BY COMMITTEE FOR AND AGAINST PROPOSAL

- Appointments ... **Appt** (w/Record of Comm. Proceedings)
- Clearinghouse Rules ... **CRule** (w/Record of Comm. Proceedings)
- Hearing Records ... bills and resolutions (w/Record of Comm. Proceedings)
 - (**ab** = Assembly Bill) (**ar** = Assembly Resolution) (**ajr** = Assembly Joint Resolution)
 - (**sb** = Senate Bill) (**sr** = Senate Resolution) (**sjr** = Senate Joint Resolution)
- Miscellaneous ... **Misc**

Senate

Record of Committee Proceedings

Committee on Natural Resources and Transportation

Browne, Bryant, of Stevens Point, as a member of the Examining Board of Professional Geologists, Hydrologists and Soil Scientists, to serve for the term ending July 1, 2009.

August 31, 2005 Referred to Committee on Natural Resources and Transportation.

February 15, 2006 **PUBLIC HEARING HELD**

Present: (5) Senators Kedzie, Stepp, Kapanke, Wirch and Breske.

Absent: (0) None.

Appearances For

- Bryant Browne, Stevens Point

Appearances Against

- None.

Appearances for Information Only

- None.

Registrations For

- Mindy Walker — Office of Governor Jim Doyle

Registrations Against

- None.

March 1, 2006 **EXECUTIVE SESSION HELD**

Present: (5) Senators Kedzie, Stepp, Kapanke, Wirch and Breske.

Absent: (0) None.

Moved by Senator Breske, seconded by Senator Kapanke that **Browne, Bryant** be recommended for confirmation.

Ayes: (5) Senators Kedzie, Stepp, Kapanke, Wirch and Breske.

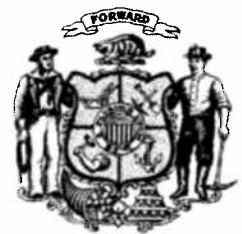
Noes: (0) None.

CONFIRMATION RECOMMENDED, Ayes 5, Noes 0

Dan Johnson
Committee Clerk



WISCONSIN STATE LEGISLATURE





JIM DOYLE
GOVERNOR
STATE OF WISCONSIN

August 24, 2005

To the Honorable, the Senate:

I am pleased to nominate and with the advice and consent of the Senate, do appoint Bryant Browne to be a Professional Hydrologist on the Examining Board of Professional Geologists, Hydrologists and Soil Scientists to serve a term expiring July 1, 2009.

Mr. Browne will be available to the Senate for hearings and my staff will assist in any way they can.

Respectfully submitted,

A handwritten signature in cursive script that reads 'Jim Doyle'.

Jim Doyle
Governor



JIM DOYLE
GOVERNOR
STATE OF WISCONSIN

August 24, 2005

Mr. Bryant A. Browne
College of Natural Resources
UW Stevens Point
800 Reserve St.
Stevens Point, Wisconsin 54481

Dear Mr. Browne:

I am pleased to appoint you to the Examining Board of Professional Geologists, Hydrologists and Soil Scientists, effective August 24, 2005. Your experience, knowledge, and dedication will be a true asset to my administration and a great benefit to the people of Wisconsin.

I look forward to working with you to find creative ways of delivering services and implementing positive change for the citizens of our state.

Sincerely,

A handwritten signature in cursive script that reads 'Jim Doyle'.

Jim Doyle
Governor



JIM DOYLE
GOVERNOR
STATE OF WISCONSIN

GOVERNOR'S APPOINTMENT

NAME: Bryant Browne

MAILING ADDRESS: College of Natural Resources
UW Stevens Point
800 Reserve St.
Stevens Point, WI 54481

E-MAIL ADDRESS: bbrowne@uwsp.edu

RESIDES IN: Stevens Point, WI

TELEPHONE: (715) 346-4190 (w)

OCCUPATION: Professor of Soil and Water Resources,
University of WI- Stevens Point

APPOINTED TO: Examining Board of Professional Geologists,
Hydrologists and Soil Scientists
Professional Hydrologist

TERM: A term to expire July 1, 2009

SUCCEEDS: Mr. Robert Karnauskas

SENATE CONFIRMATION: Yes

DATE OF APPOINTMENT: August 24, 2005

DATE OF NOMINATION: August 24, 2005

BRYANT A. BROWNE

Professor of Soil and Water Resources
University of Wisconsin – Stevens Point

CV (715) 346-4190
346-3320
341-9190
340-0011

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EDUCATION

- Ph.D. 1988 Civil Engineering (Environmental Chemistry), Syracuse University
- M.S. 1985 Soil Science (Chemistry), University of California, Berkeley
- B.S. 1978 Soil Science, University of Massachusetts, Amherst
- B.A. 1975 Literature, Boston College

PROFESSIONAL

- 2005 - Professor of Soil and Water Resources, Univ. of Wisc.-Stevens Point
- 2000 -2004 Director of UWSP Dissolved Gas Laboratory
- 1997-2004 Associate Professor of Soil and Water Resources, Univ. of Wisc.-Stevens Point
- 1993-1996 Assistant Professor of Soil and Water Resources, Univ. of Wisc.-Stevens Point
- 1993 Research Assistant Professor, Duke University, Wetland Center
- 1991-1993 Visiting Assistant Professor (Water Resources), Duke University
- 1989-1992 Adjunct Professor (Soil Chemistry), Syracuse Univ., Dept.of Civil Eng.
- 1990-1991 Managing Scientist/Engineer, O'Brien & Gere Engineers, Inc.
- 1988-1990 Senior Project Engineer (Chief Environmental Chemist), O'Brien & Gere Engineers,
- 1987-1988 Project Scientist, O'Brien & Gere Engineers, Inc.
- 1985-1987 Senior Research Scientist, O'Brien & Gere Engineers, Inc.
- 1983-1987 Graduate Research Assistant, Syracuse University, College of Engineering, Syracuse
- 1978-1983 Graduate Research Assistant, Dept. of Plant and Soil Biology, University of California, Berkeley
- 1978-1981 Environmental Chemist, California Dept. of Health, Division of Hazardous Waste Management.

AWARDS AND HONORS

- 1996 UWSP Excellence in Teaching Award
- 1998 Soil Science Society of America, Editor's Citation, Excellence in Manuscript Review
- 2004 College of Natural Resource, Excellence in Research Award
- 2004 UWSP, Excellence in Research Award
- 2004 Wisconsin Ideas Fellow, State of Wisconsin, Board of Regents Award

AWARDS AND HONORS: UNDERGRADUATE RESEARCH ASSISTANTS

- 2003 Randy Mentz. 1st Place, undergraduate student presentation, Wisconsin Groundwater Association
- 2002 Marie Galeweski. Chancellor's Excellence in Undergraduate Research Award
- 2001 Suzanne Chwala. 2nd Place student paper/oral presentation. AWRA Wisconsin Conference.
- 2001 Suzanne Chwala. 1st Place student paper/ oral presentation. CNR Student Research

- Symposium
- 1998 Ben Houlton. Best student paper/oral presentation. AWRA National Conference
- 1998 Ben Houlton. Best student paper/oral presentation. AWRA Wisconsin Conference
- 1998 Ben Houlton, Sigma Xi, Undergraduate Research Award, UWSP
- 1997 Jenny Baeseman, Sigma Xi, Undergraduate Research Award, UWSP
- 1996 Jenny Baeseman. 2nd Place student paper/oral presentation. AWRA, National Conference

TEACHING

COURSES TAUGHT:

*UNIVERSITY OF WISCONSIN – STEVENS POINT, COLLEGE OF NATURAL RESOURCES
FALL 1993 TO SPING 2003 (Sabbatical Fall 2003, Spring 2004)*

- WATR 480 Water Chemistry & Analysis (4 credits, Fall and Spring Semesters 1993-2003). Lecture (2 hrs) and laboratory (4 hrs) instructor for the course. One lecture section, one or two laboratory sections per semester. Maintain laboratory instrumentation and field equipment (assistance from Gene Tubbs). This course provides water resource students a strong dose of learning by direct inquiry through the design, execution and interpretation of field study addressing landscape /water quality relationships (e.g., longitudinal study of chemical loads along headwater stream corridors and their relationships to basin-scale land use patterns).
- SOIL 465 Soil Physics (3 credits, Fall Semesters 93-97, 02, 03). Lecture (2 hrs) and laboratory (3 hrs) instructor. One lecture section, one laboratory sections per semester. Maintain laboratory instrumentation and field equipment (assistance from Gene Tubbs). This course provides soil students a strong dose of learning by direct inquiry through the design, execution and interpretation of semester long field study addressing soil processes (e.g., depth profiles of heat, soil gases, temperature and soil water) in contrasting field situations or along hydrologic gradients).
- SOIL 364 Soil & Plant Analysis (3 credits, Spring Semesters 94, 95). Lecture (2 hrs) and laboratory (3 hrs) instructor for the course.
- NRES 251 Introduction to Soil & Water Resources (4 credits, Fall 1998, Spring Semesters 1998-2003). Lecture (3 hrs) instructor for the course in Spring semesters. Integrated concepts of soil and water resources at the landscape level.
- NRES 150 People Resource and the Biosphere (Fall 2003). Discussion section (1 hr) instructor.

Duke University, School of the Environment:

- 1993 Hydrologic Transport Processes (3 credits): Physical, chemical and biological

processes governing transport and fate of contaminants in the terrestrial portion of the hydrologic cycle. Simulation models for point and non-point pollutant loadings and water quality impacts.

- 1992-1993 Environmental Monitoring (2 credits, graduate seminar course, co-taught): field and laboratory techniques for evaluating soil and water pollution. Principles of exposure assessment and sampling design.
- 1992 Unsaturated Soil Processes (2 credits, graduate seminar course): Physical, chemical and biological processes in the vadose zone (emphasis on the soil atmosphere and its relationship to water storage and movement).
- 1991-1992 Watershed Hydrology (4 credits, lecture and laboratory): Influence of land-use, vegetation, soil-type, climate and land forms on water quantity and quality (emphasis on non-point source impacts).

Syracuse University, Department of Civil and Environmental Engineering:

- 1989 Soil Chemistry (one-third taught by C. T. Driscoll): Introductory course for graduate students and advanced undergraduate students.
- 1987 Soil Genesis Lectures (Part of Soil Chemistry Course, co-taught by C. T. Driscoll): The chemistry of soil development processes.

GRADUATE STUDENT THESES

Major Advisor:

- 2004 Guldan, Nathan. Relationships between groundwater recharge dates, nitrate levels and denitrification in a central Wisconsin watershed.
- 2001 Kilkenny-Title, Denise. Developing a county groundwater website: a how to guide based on the experience of Portage County, Wisconsin. (Co-advisor with Dennis Yockers)

Committee Member:

- 2000 Tiffany, Lyden. Relationships of aquatic macrophytes to sediment and groundwater characteristics in McDill Pond – implications for lake management.
- 1999 Lindemann, James. Evaluation of urban runoff infiltration and impact to groundwater quality in Park Ridge, Wisconsin.
- 1998 Albertson, Phillip. Agricultural chemicals, land use and their impacts on stream and groundwater quality in the Little Plover River watershed.

SCHOLARSHIP

PATENTS

Browne (2004). Collection of Dissolved Gases in Groundwater. U.S. Patent and Trademark Office. Patent Number 6,706,094.

PUBLICATIONS/REPORTS

Browne, B.A. (2004). Pumping induced ebullition: A unified and simplified method for measuring multiple dissolved gases. *Environ. Science & Technology* (accepted).

Browne, B.A. and N. Guldan. (2004). Understanding long-term baseflow water quality trends using a synoptic survey of the groundwater/surface water interface, central Wisconsin. *J. Env. Qual.* (accepted 11/05/04).

Browne, B.A. and N. Guldan. (2004, Draft). Estimating Basin-scale Groundwater Denitrification Using a Synoptic Survey of the Groundwater/Surface Water Interface, Central Wisconsin. For Submission to *J. Env. Qual.*

Browne, B.A., Galewski, M.R., T.A. Volz. (Draft in Progress). Indirect nitrous oxide emissions via ground water from an agricultural basin. In preparation for Water Resources Research.

Browne, B.A. and N. Guldan. 2004. Monitoring and scaling of water quality in the Tomorrow Waupaca River Watershed. Project Completion Report. Wisconsin Groundwater Coordination Council.

Kraft, G.J., B.A. Browne, W.M. Devita, D.J. Mechenich. 2004. Nitrate and pesticide penetration into a Wisconsin Central Sand Plain Aquifer. Project Completion Report to Wisconsin Department of Natural Resources and Wisconsin Department of Agriculture, Trade and Consumer Protection.

Kraft, G.J., B.A. Browne, W.M. Devita, D.J. Mechenich. 2004. Nitrate and pesticide penetration into aquifers: the Springfield Corners Profile. Project Completion Report to Wisconsin Department of Natural Resources and Wisconsin Department of Agriculture, Trade and Consumer Protection.

Browne, B.A., 2003. A basin-scale denitrification budget for a nitrate contaminated Wisconsin aquifer: A study at the groundwater/surface water interface. Project Completion Report (R/UW-GSI-002), Wisconsin Groundwater Coordination Council.

Browne, B.A., B. Houlton, J. Baesman. 2002. Basin-scale nitrate removal function of riparian corridor in the Little Plover River. Under revision for re-submission to Water Resources Research

Browne, B.A. and G. Kraft. 2002. A Pilot Study of Groundwater Age in Wisconsin Public Water Supply Wells. Report to Wisconsin Department of Natural Resources.

Browne, B.A. 2001. Nutrient Load Assessment Report for Horicon Marsh: Contributions from Upland Landscape. Report to the U.S. Fish and Wildlife Service.

Faust, B.C., W.B. Labiosa, K.H.Dai, J.S. MacFall, B.A. Browne, D.D. Richter. 1996. Speciation of Aqueous Monomeric Al-hydroxy complexes at concentrations of geochemical relevance by Al-27 NMR spectroscopy. *Geochem Cosmochim. Acta* 59:2651-2661.

Browne, B.A. 1995. Toward a new theory of podzolization. Chpt. 12. In *Carbon Forms and Functions in Forest Soils*. Soil Sci Soc. Am. Inc. Madison, WI.

Browne, B.A. and C.T. Driscoll. 1993. pH-dependent binding of aluminum by a fulvic acid. *Env. Sci. Tech.* 27:925-922.

Browne, B.A. and C.T. Driscoll. 1992. Soluble aluminum silicates: stoichiometry, stability and implications for environmental geochemistry. *Science* 256:1667-1670.

Browne, B.A., C.T. Driscoll and J.G. Mccoll. 1990. Aluminum speciation using morin: I. Morin and its complexes with aluminum. *J. Env. Qual.* 19:65-72.

Browne, B.A., J.G. McColl and C.T. Driscoll. 1990. Aluminum speciation using morin: II. Principles and Procedures. *J. Env. Qual.* 19:73-82.

Browne, B.A. 1988. Transformations of aluminum in waters draining podzolic forest soils. Ph.D. Dissertation, Syracuse University. Diss. Abst. 89-01823, 1988.

PRESENTATIONS (names in bold are undergraduate researchers)

Browne, B.A. 2003. Basin-scale denitrification budget of an agricultural basin. Center for Agricultural Landscape and Land Use Research, Muncheberg, Germany, July 2003

Gleason, R.A., N.H. Euliss, A. Olness and B.A. Browne. 2003. Carbon storage in prairie wetlands of the United States and ideas for future research. 2nd Annual U.S. Department of Energy Carbon Sequestration Conference. May 5, 2003, Alexandria, VA.

Browne, B., **L. Winchell, M. Altmayer**. Denitrification in shallow groundwater: Management intensive grazing versus annual cropping in sandy soils. 27th Annual Meeting of the American Water Resources Association – Wisconsin Section. February, 2003

Mentz, R, G. Kraft, B. Browne. Nitrate and pesticide loading, fate and origin in a Wisconsin ground water basin. 27th Annual Meeting. of the American Water Resources Association – Wisconsin Section. February, 2003.

Browne, B.A., 2002. Nitrous oxide emission and soil management. Prairie Wetland Carbon Meeting. May 15-16, 2002. U.S. Geological Survey, Northern Prairie Wildlife Research Center. Jamestown, ND.

Galewski, M.R., T.A. Volz, B.A. Browne. 2002. Nitrous oxide emissions in ground water from an agricultural basin. In "Sustainability of Wisconsin's Water Resources". Wisconsin Dells,

March 7,8, 2002. Annual American Water Resources Association Meeting, Wisconsin Chapter. Wisconsin Dells, WI. March 7, 8, 2002.

Volz, T.A., M.R. Galewski, B.A. Browne. 2002. Excess nitrogen gas in the interstitial waters of a downwelling/upwelling sequence. In "Sustainability of Wisconsin's Water Resources". Wisconsin Dells, March 7,8, 2002. Annual American Water Resources Association Meeting, Wisconsin Chapter. Wisconsin Dells, WI. March 7, 8, 2002.

S.L. Chwala, P. Cusick, K. Masarik, N. Guillette, B. Steenrod, and B. Browne. 2001. Temperature Indices and Nitrogen Fluxes of First Order Streams. In Water Rich or Water Poor? Water Quantity Issues in Wisconsin. Annual American Water Resources Association Meeting, Wisconsin Chapter. Green Lake, WI. March 29-30, 2001.

P.R. Cusick, B.A. Browne, S. Chwala, B. DeVita, N. Guillette, K. Masarik, D. Sieloff, and B. Steenrod. 2001. Variation in Ground Water Flow Paths to a Seepage Channel. In Water Rich or Water Poor? Water Quantity Issues in Wisconsin. Annual American Water Resources Association Meeting, Wisconsin Chapter. Green Lake, WI. March 29-30, 2001.

K.C. Masarik, B.A. Browne, B. Briski, and S. Kaatz. 2002. Organic Matter Transport in the Groundwater at Buena Vista. In Water Rich or Water Poor? Water Quantity Issues in Wisconsin. Annual American Water Resources Association Meeting, Wisconsin Chapter. Green Lake, WI. March 29-30, 2001.

Lindemann, J. , B. Shaw, B. Browne, D. Ozsvath, and W. DeVita. 2000. Evaluation of Urban Runoff Infiltration and Impact to Groundwater Quality in Park Ridge, Wisconsin. In "Water Resources 2000 – Challenges for the New Century". Annual American Water Resources Association Meeting, Wisconsin Chapter. Green Bay, WI. March 23-24, 2000.

Browne, B.A., R. Lloyd, **J. Baeseman, and J. Palzkil.** 1997, Using the terrestrial/aquatic interface to study watershed-scale effects on subsurface water quality in an agricultural basin. International Symposium "Global challenges in ecosystem management in a watershed context" 52nd Annual Conference of the Soil and Water Conservation Society. Toronto Canada.

Browne, B.A., R. Lloyd, **J. Baeseman, and J. Palzkil.** 1997. Watershed-scale nitrate contamination in the Little Plover Basin: A study at the groundwater/surface water interface. Symposium on Hydrogeology of Nonpoint Source pollution. North-Central Section Geological Society America Annual Meeting, Madison WI.

Baeseman, J., B.A. Browne. 1997. Riparian bypass flow of agricultural chemicals to the Little Plover River. Annual Conference for the Wisconsin Section of the American Water Resources Association.

Baeseman, J., B. Browne, J. Palzkil, and R. Lloyd. "Three Transects Illustrating Riparian Bypass Flow." WI State American Water Resources Association Convention, March 1997. Poster Session.

Dahlby, M. and B.A. Browne. Identifying stream segments and landscape sections responsible for nitrate loading to Horicon Marsh. Annual Conference for the Wisconsin Section of the American Water Resources Association. March 1997.

Browne, B.A. 1996. Riparian transformation of nitrate and atrazine in the Little Plover Basin, Central Wisconsin. 88th Annual Soil Science Society of America Meeting, Indianapolis, IN.

Baeseman, J. and B. Browne. "Riparian Bypass Flow of Agricultural Chemicals to the Little Plover River." National American Water Resources Association Convention, September 1996. **(2nd Place Student Paper Competition)**

Browne, B.A. 1993. Components of stream acidity. Hubbard Brook Ecosystem Study, Annual Cooperator's Meeting. USDA Forest Service Headquarters, Woodstock, New Hampshire, July, 1993.

Browne, B.A., C. Glaser, and C.T. Driscoll. 1992. Acid-Base characteristics of aluminum-organic complexes. 84th Annual Soil Science Society of America Meeting. Minneapolis, MN.

Browne, B.A. and C.T. Driscoll. 1990. Aluminum-Fulvates: Formation, stability and acidity. 82nd Annual Soil Science Society of America Meeting. San Antonio, Texas.

Browne, B.A. and C.T. Driscoll. 1990. The mechanism of podzolization: An alternative hypothesis. 82nd Annual Soil Science Society Meeting. San Antonio, Texas.

Browne, B.A. and C.T. Driscoll. 1989. Soluble aluminum silicates: Formation and thermodynamic stability. 81st Annual Soil Science Society of America Meeting, Las Vegas, Nevada.

Browne, B.A. and C.T. Driscoll. 1985. Al-ligand interactions in forested ecosystems: An investigation at Hubbard Brook Experimental Forest. Annual Cooperator's Meeting, Hubbard Brook Experimental Forest.

Browne, B.A. and C.T. Driscoll. 1984. The chemistry and transport of Al in low order, dilute acidic streams in the Adirondack and White Mountains of Northeast, US. Symposium on Acidic Deposition, University of Vermont.

Browne, B.A., J.G. McColl, and M.K. Firestone. 1983. The effect of acid rain on aluminum mobility in acidic forest soils. Soil Science Society of America Meetings, Anaheim, CA.

Browne, B.A. and J.G. McColl. 1982. Acid rain and the chemistry and mobilization of Al in the natural environment. Symposium on Acid Rain, University of Washington.

Browne, B.A. 1993. Toward a new theory of podzolization. In Proceedings of the 8th North American Forest Soils Conference. Florida, 1993.

CNR STUDENT RESEARCH SYMPOSIUM: STUDENT PRESENTATIONS:

- 2003 *Mike Altmeyer and Lloyd Winchell*. The fate of nitrogen beneath a management of intensive grazing and annual cropping site.
- 2003 *Corey Cole and Steve Roecker*. Carbon and nitrogen analysis of the Horicon Marsh.
- 2003 *Marie Galewski*. Nitrous oxide in groundwater discharge from an agricultural basin. **(2nd Place, Oral Presentation)**
- 2003 *Nick Johnson*. The movement of nitrate, chloride and sulfate in the Emmons Creek Basin. **(1st Place, Oral Presentation)**.
- 2003 *Randy Mentz*. Nitrate and pesticide penetration and trends in Wisconsin aquifers. **(3rd Place, Oral Presentation)**.
2002. *Marie Galewski*. Nitrous oxide in groundwater discharge from an agricultural basin.
2002. *Matt Komiskey*. Age dating of Wisconsin's public water supply
2002. *David Morely, Amanda Robuck, Ann Orlowski*. Using groundwater quality to determine the nature of groundwater flowpaths.
- 2002 *Steve Paukner, Jason Smith, Karen Zienty*. Nutrient variation in Tomorrow-Waupaca River Basin. **(Honorable Mention)**
- 2002 *Theresa Volz*. Excess nitrogen gas (N₂) in the interstitial water of a downwelling/upwelling sequence.
- 2002 *Lloyd Winchell*. Excess nitrogen gas in Wisconsin's public water supply wells,
- 2001 *Suzanne Chwala, Paul Cusick, Kevin Masarik, Nick Guilette, Barrett Steenrod*. Temperature indices and nitrogen fluxes of first order streams. **(1st Place, Oral Presentation)**
- 2001 *Kevin Masarik, Brian Briski, Sarah Kaatz*. Organic matter transport in the groundwater at Buena Vista. **(Honorable Mention, Poster Presentation)**
- 2001 *Tim Semmann and Dave Morely*. Development of a nutrient density and distribution map for the Horicon National Wildlife Refuge.
- 2000 *Jeff Stelzer, Kelly Henderson*. AWRA Student Chapter at UWSP conducts a water quality study of the Buena Vista Marsh. **(Honorable Mention)**

RESEARCH GRANTS

2004. Impact of Department of Interior Activities on Carbon Sequestration and Greenhouse Gas Emissions of Natural and Restored Wetlands in the Prairie Pothole Region. (US Geological Survey funding).
2004. Perennial biocurtain strips: A novel approach to reducing nitrate loss to tile drains. Collaboration with Michael Russelle. USDA, Cooperative State Research, Education and Extension Service.
2003. Does management intensive grazing protect groundwater by denitrification. Principal Investigator. (USDA).

2003. The role of wetlands in greenhouse gas storage: an inventory of existing stocks in the prairie pothole region and their potential to sequester carbon dioxide emissions 2003. Principal Investigator: Ned H. Euliss, Jr., (BRD) Partners/Collaborators and Affiliations: Richard M. Forester (GD), Robert Gleason (BRD), Glenn Kelly (NMD), Gregg J. Wiche (WRD), Alan Olness (USDA-ARS), Bryant Browne (University of Wisconsin—Stevens Point), and Emi Ito (University of Minnesota—St. Paul). USGS Central Region Integrated Science Partnership Funds.
2003. Marketing Verified Greenhouse Gases Stored by Restored Wetlands in the Devils Lake Basin, North Dakota. (USDA-GRANTS-031803-001: Biomass Research and Development Initiative. Application Entity: USGS, Northern Prairie Wildlife Research Center).
2003. Trace Gas Emissions from Farmed and Non-Farmed Wetlands. Project 8330971. Lake and Wetland Ecosystems: Ecology, Status and Trends, and Management Techniques.(USGS funding). Co-Principal Investigator with R. Gleason and Ned Euliss.
2003. Impact of Department of Interior Activities on Carbon Sequestration and Greenhouse Gas Emissions of Natural and Restored Wetlands in the Prairie Pothole Region and the Lower Mississippi River Valley. Internal Proposal USGS BRD, Ned Euliss/Stephen Faulkner, Principal Contacts.
2003. Cranberry Bed Hydrology in Upland and Lowland Beds. Co-Principal Investigator (with Kevin Kosola, UW Madison. (UW Consortium Funding)
2002. Nitrogen loading history, fate and origin for two Wisconsin groundwater basins (Collaboration with G. Kraft).
2002. Chloracetanilide and atrazine residue penetration and accumulation in two Wisconsin ground water basins. (Collaboration with G. Kraft W. Devita).
2002. Monitoring and scaling of water quality in the Tomorrow-Waupaca Watershed. Principal Investigator. (WRI funding).
2002. A basin-scale denitrification budget for a nitrate contaminated Wisconsin aquifer: A study at the ground water/surface water interface (WRI and USGS funding). Principal Investigator.
2001. Does management intensive grazing protect groundwater by denitrification. (USDA funding). Collaboration with Nancy Turyk (WEAL) and Michael Russelle. USDA, Cooperative State Research, Education and Extension Service.
2001. Forensic hydrogeologic in the Central Sands: Impacts of Land-Use/Land Management

History on Ground Water Nitrate., collaboration with M. Anderson P.I). (UW Consortium funding)

1999. Development of a research program on groundwater /surface water interactions for Crandon Project Watersheds (Nicolet Minerals Co. funding) Principal Investigator:
- 1997 Watershed-scale nitrate contamination and chlorofluorocarbon ages in the Little Plover Basin: A study at the groundwater/surface water interface. (Wisconsin, Groundwater Coordinating Council). Principal Investigator.
- 1997 Upper and East Rock River Basins continuous monitoring stations (US Fish and Wildlife Service.
- 1996 Water quality/landscape relationships in the Upper and East Rock River Basins. (US Fish and Wildlife Service funding).
- 1994 The biogeochemistry of carbon dioxide: A new perspective. (UWSP, UPDC funding) FY94.
- 1993 Florida Everglades: Hydrologic influences the fate of nutrients in agricultural runoff. (Florida Sugar Cane League funding)
- 1988 Wood preservative mobility study. (Empire State Electric Energy Research Company funding) Principal Investigator.
- 1985 Study of streams and soils of acidic forested watersheds in the White Mountains of New Hampshire. (NSF/EPA funding)
- 1985 Aluminum-ligand interactions in forested ecosystems: An investigation at Hubbard Brook Experimental Forest. (Andrew W. Mellon Foundation grant). Principal Investigator.
- 1983 EPRI and ESEERCO grants to Syracuse University. Regional Integrated Lake Water Acidification Study. Water quality study of acidic lakes and streams in the Adirondack Mountains of New York State. FY83-FY85 (Graduate Research Assistant)
- 1979 EPRI and Kearney Foundation grants to the University of California. Evaluation of the effect of acidic deposition on chemistry and biology of acidic forest soils. FY79-FY82 (Graduate Research Assistant)

ENVIRONMENTAL CONSULTING

Representative Field Studies and Public Health Risk Assessments

- 1990-1991 Investigation of the distribution of PCBs in the sediments of the Upper Hudson River

(Co-Investigator).

- 1991 Evaluation of the bioremediation potential of a BTEX plume adjacent to the Arthur Kill River. (Principle Investigator)
- 1988-1991 Field study of the environmental fate and toxicology of supplemental wood preservatives applied to utility poles in Adirondack Mountain wetlands. (Principal Investigator)
- 1988-1989 Former explosives and ordnance production facility. On-site evaluation of human and environmental risks associated with residual ordnance and chemical materials. Off-site evaluation of potential health risks to local residents due to transport of volatile organic chemicals. (Co-Investigator)
- 1987-1989 Ground water, surface water, sediment and air quality investigation of wood tar and other chemical production wastes associated with a former charcoal facility situated on Lake Superior. (Principal Investigator)
- 1987-1988 Investigation of areal and vertical extent of PCB and solvent wastes related to buried lagoons and disposal pits at a former railcar production facility. Soil boring, test pitting, ground water and geophysical investigations. (Co-Investigator)
- 1986-1987 Evaluation of potential human health risks related to buried paint sludge wastes. Model of contaminant transport in unsaturated and saturated ground water flow regimes. (Co-Investigator).
- 1986-1987 Impact of Solvay process waste beds and organic chemical production wastes associated with an industrial facility adjacent to the Tuscarawas River. Local and regional evaluations of potential risks related to the migration of contaminants in ground water, surface water and air. (Principal Investigator)
- 1986-1987 Ground water, surface water and sediment transport of chromium residues from glue production waste beds adjacent to river. (Principal Investigator)
- 1986 Study of hydrologic transport of contamination from closed landfills and waste lagoons at chloro-fluorocarbon production facility adjacent to Kentucky River. (Principal Investigator).
- 1986 Public health and ecological impact of closed organic chemical waste lagoons adjacent to Patapsco River in Chesapeake Bay Estuary. Tidal dilution model of contaminants transported via ground water seepage into the Patapsco River. (Principal Investigator)
- 1985-1986 Semiconductor production wastes in closed waste lagoons. Study of public health

impact related to ground water, surface water and sediment contamination. (Co-Investigator)

1985-1986 Ground water, surface water and air transport of PCBs, metals and volatile organic compounds originating from municipal landfill: Potential risks to local residents and an adjacent wetland. (Principal Investigator)

Ecological Assessments

1987 - 1991 Wood Preservative Mobility Study - Study of the effects of preservatives on the ecological quality surrounding preservative treated utility poles in sensitive wetland environments. Soil respiration, microbial biomass and soil macro-invertebrates were used as quantitative indicators of environmental stress. (Principal Investigator)

1990 Ecological assessment of a former secondary lead smelter. (Principal Investigator)

1989 - 1990 Ecological assessment of a buried solvents and paint wastes adjacent to a fresh water stream system. (Principal Investigator)

1988 - 1989 Ecological assessment of PCB contaminated sediments in a wetland/pond area adjacent to a municipal landfill. (Co-Investigator)

Vadose Zone Delineation of Subsurface Contamination

1988-1991 Approximately fifty studies of subsurface contamination using soil vapor sampling and in-field analysis.

SERVICE

UNIVERSITY SERVICE

2004 GEM Ambassador Program. Reconnaissance trip to South Africa as a representative of the CNR's GEM Education Center to plan and implement a watershed assessment, training and capacity building project in conjunction with Rhodes University. Established Ambassadorships for CNR graduate and undergraduate students at Rhodes University.

1997-2002 NRES 251 (Introduction to Soil & Water Resources). Design, implementation and development.

1996-2004 Mentoring of Undergraduate Research Assistants. Maintained an active and productive undergraduate research group (3-12 students annually) working on funded projects. See AWARDS AND HONORS: UNDERGRADUATE RESEARCH ASSISTANTS and the listing of conference presentations under PRESENTATIONS and CNR STUDENT RESEARCH SYMPOSIUM.

- 1996-2004 Student Payroll: Since 1999 I have employed at least three students, and as many as seven students, full time in the summer and five to eight students part-time during the school year. While a few students have had work study the majority have not. The annual payroll for undergraduate students in the Water Chemist/Dissolved Gas Laboratory has topped \$20,000/yr over the last several years. Depending on their commitment level and interest, undergraduate research assistants are actively involved in problem solving and science from basic (collection of data) to advanced levels (collection, reduction and summarization, interpretation and presentation).
- 2000-2004 SWCS Student Organization - Horicon Marsh Nutrient Study. Developed the study. Continue to provide advice and logistical support (laboratory and field). Helped students establish ongoing funding/support from USDA, NRCS, USFWS.
- 1998-2004 AWRA Student Organization - Buena Vista Water Quality Study. Developed the study. Continue to provide advice and logistical support (laboratory and field equipment and supplies).
- 1993-2004 Water Chemistry Laboratory (CNR257/261). Maintain laboratory and field instrumentation/equipment for courses and student research with logistical support by Gene Tubbs. Support the majority (>70%) of annual S&E for WATR 480/680 and SOIL 465 using external funds. Provide equipment and instrumentation acquired by external funds for routine use by students in WATR 480/680 and SOIL 465/665.
- 1997-2002 UWSP Dissolved Gas Laboratory. Since 1997 I have worked to establish a dissolved gas laboratory for teaching and research in biogeochemistry at UWSP. Using revenues from external grants (80%) and FIPSE (20%) and ingenuity I obtained and created instrumentation and equipment for a state of the art DGL. The capabilities of UWSP DGL to measure groundwater age-dating gases as well as major, minor and trace biogenic gases are matched at only a few laboratories in the world (e.g., USGS DGL in Reston, VA), have stimulated new internal (i.e., CNR) and external collaborations and partnerships which provide a stable funding base for the lab maintenance and expenses, and have provided unique educational and research opportunities for many CNR students.

CNR AND UNIVERSITY COMMITTEES (Sabbatical 2003-2004):

- 2004 GEM Committee
 2001-2004 Academic Affairs
 2001-2003 Faculty Senate
 2000-2003 CNR Student Research Symposium Committee (Co-Chair 2002)
 1997-1998 Core Curriculum Coordinator (NRES 251): Development and Implementation
 1995-2004 CNR Graduate Committee

Search and Screen Committees:

- 2004 Earl Spangenberg replacement
- 2001 Paul McGinely
- 1997 Henry Lin
- 1998 Victor Phillips position
- 1995 Mike Hansen
- 1995-1997 University Affairs Committee
- 1995 Delegate to UTIC Conference "Faculty Roles and Rewards"

PROFESSIONAL AND OUTREACH SERVICE

- 2001 Wisconsin River Basin Assessment Program. Teacher training (monitoring strategies at the groundwater/surface water interface)

- 2001 Fox-Wolf Basin Strategic Data Acquisition Task Force.

- 2004 DC Everest High School Water Quality Monitoring Group (4 students, teacher Bill Heeren). Equipment, supplies and advice.

- 2002-2004 Prairie Pothole Region. Member of a research planning team for carbon sequestration projects in the Prairie Pothole Region: a group of scientists, educators, politicians, lawyers, farmers and businessmen who are working to commodify the carbon sequestration potential or prairies pothole wetlands (after reclamation agricultural influences) in North Dakota. The mission of this group is described in "Pots of Gold" Audubon 2003 (include with the accompanying materials).

- 1995 -2000 Portage County Ground Water Advisory Council (PCGWAC) - Stevens Point representative. Chairperson (1998-2000) Continuous Assessment Subcommittee.

- 1999-2001 PCGWAC Website. Initiated and secured funding for the development of the "Portage County Interactive Groundwater Education Website". Website was created by graduate student Denise Kilkenny-Title (Yockers and Browne, co-advisors)

- 1995 - 1998 Horicon Marsh Preservation Association - Steering Committee

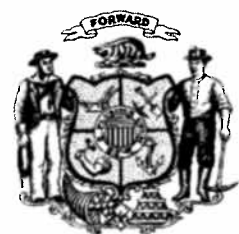
- 1995 - 2000 Horicon National Wildlife Refuge. Study of water quality/landscape relationships in basins surrounding Horicon Marsh for U.S. Fish and Wildlife Service.

- 1994-2004 Manuscript reviewer: Environmental Science & Technology, Journal of Environmental Quality, Soil Science Society of America, Biogeochemistry, Water Resources Research, Wetlands

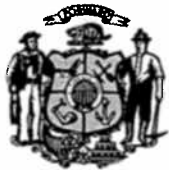
- 1994 - 1997 Director-at-Large. Wisconsin Chapter of the American Water Resources Association.
- 1994/1995 Tommorow/Waupaca River Basin: Priority Watershed Project. Member of Steering Committee and Data Evaluation and Integration Committee.
- 1993 -1997 Florida Sugar Growers Association. Evaluation of hydrologic factors controlling the movement and fate of agricultural runoff in the Florida's Everglades.
- 1993 U.S. Marine Corp, Camp Legune. Examination of the potential for land application (spray irrigation of forested land) of municipal wastewater from Camp LeJeune, North Carolina. I served as an unpaid consultant to a small utility attempting to implement an innovative wastewater treatment design.



WISCONSIN STATE LEGISLATURE



NR



STATE OF WISCONSIN
ETHICS BOARD

James R. Morgan
Chairman
Paul M. Holzem
Dorothy C. Johnson
Richard Warch
Courtney L. Hunt

On the capitol square at:
44 EAST MIFFLIN STREET, STE 601
MADISON, WISCONSIN 53703-2800
phone: 608/266-8123
fax: 608/264-9319
ethics@ethics.state.wi.us
<http://ethics.state.wi.us>

Roth Judd
Director

Senate Committee Members:

The attached Statement of Economic Interests is provided with regard to the individual's nomination to a State Public Office by Governor Jim Doyle.

Sincerely,
STATE OF WISCONSIN ETHICS BOARD

Nominee: Bryant Browne
Date: September 22, 2005

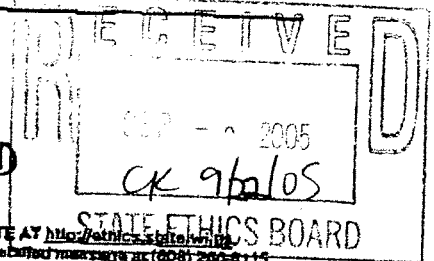
Mail or fax to: Wisconsin Ethics Board, 44 E. Mifflin St., Suite 601, Madison, WI 53703-2800; Fax: (608) 264-9319

Statement of Economic Interests

Filed in 2005 for calendar year 2004

Name: Browne, Bryant A
(last name, first name & initial)

State position: Hydrologist/Soil Science Licensing Board
(include agency, division, branch or district, if applicable)



FOR EXPLANATIONS, EXAMPLES AND EXCEPTIONS SEE THE INSTRUCTIONS OR VISIT OUR WEBSITE AT <http://www.ethics.state.wi.us>
 Still have questions? For priority service send an e-mail to: ethics@ethics.state.wi.us; otherwise leave a detailed message at (608) 266-8115.
 Attach additional pages as needed.

Part A Information current as of 8/18/2005

1. List STOCKS, BONDS, limited partnerships, Wisconsin governmental securities, and mutual and money market funds you or your family held (minimum \$5,000).

Name of security	Type of security - <input type="checkbox"/> one					Amount - <input type="checkbox"/> one	
	stock/ option/ futures	bond	limited partnership	Wisconsin governmental security	mutual or money fund	\$50,000 or less	More than \$50,000
Pershing IRA							
Fidelity # See Attached Addendum					<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
Vanguard (Under \$5,000)						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
These are annuities, so need not be listed.							<input checked="" type="checkbox"/>

2. List BUSINESSES and INCOME-PRODUCING REAL ESTATE in which you or your family had a 10% or greater ownership interest.

Name of business (if any) or business activity, or address of real estate	Municipality	State	If real estate, list County	Describe nature of business
NONE				

a) For each general partnership, or entity not doing business in Wisconsin, that you listed in Item #2, list the GENERAL PARTNERS or the OFFICERS and DIRECTORS.

Business	Partners, or officers and directors	City	State
NOT Applicable			

b) For each enterprise you listed in Item #2 that is an unincorporated business, a subchapter S corporation, a service corporation (SC), a limited liability company (LLC), a partnership, or income-producing real estate, list BUSINESSES, ORGANIZATIONS, and any LOBBYISTS that were CUSTOMERS, CLIENTS, or TENANTS that paid the enterprise \$1,000 or more in calendar year 2004.

Businesses, organizations, lobbyists that were customers, clients, or tenants	City	State
Not Applicable		

3. List the specific location of WISCONSIN REAL ESTATE in which you or your family had an interest (except your principal residence and real estate whose location you listed in Item 2).

LOCATION OF PROPERTY			NATURE OF INTEREST (own, lease, option, assessmt, land contract)
Street address or fire number	Municipality	County	
NOT Applicable			

Aug. 10. 2005 2:40PM

4. List ORGANIZATIONS of which you or a family member was an OFFICER or DIRECTOR.

Business or organization	City	State	Position
NONE			

5. List ORGANIZATIONS THAT AUTHORIZED YOU OR A FAMILY MEMBER TO REPRESENT THEM in their dealings with others as an attorney-at-law, agent, spokesperson, or representative (unless listed in Item 4 or 7).

Business or organization	City	State
NONE		

6. List CREDITORS to which you or your family owed \$5,000 or more.

Creditor	City	State	None	
			\$50,000 or less	More than \$50,000
ANCHOR BANK	STEVENS POINT	WI		✓
WACHOVIA AND Ed. FINANCE	Los Angeles	CA	✓	

Part B for calendar year 2004

7. List your and your family's EMPLOYERS (\$1,000 or more of income) in 2004.

Name of employer (if State of Wisconsin, identify agency or institution)	City	State	Nature of employer's business
University of Wisconsin	Stevens Point	WI	Education
STEVENS POINT Area Senior High School			"

8. List OTHER SOURCES from which you or your family received INCOME of \$1,000 or more in 2004.

Source of income	City	State
United STATES Geological Survey	Jamestown	ND

9. List individuals and organizations that provided you with ENTERTAINMENT or GIFTS (more than \$50) in 2004.

Name of provider	City	State
NONE		

10. List, for 2004, sources of HONORARIA and payment of EXPENSES related to your state government duties (more than \$50) not previously reported to the Ethics Board.

Payer	Approximate value of expenses	Amount of honorarium	Circumstances of receipt
NONE			

I certify that the information contained in this Statement of Economic Interests is true, complete, and correct to the best of my knowledge, information, and belief. In the event this Statement of Economic Interests is filed prior to my nomination or appointment, I certify that I will amend it within ten days of my nomination or appointment date if amendment is necessary to bring it into conformity with the true statement of my economic interests as of the date of my nomination or appointment. If any part has been left blank, I have done so intentionally because there is nothing to report.

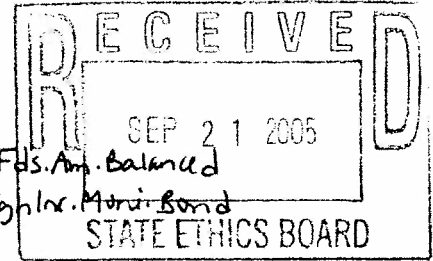
Signature of person filing: Byron A. Brown Date: 8/18/2005 Daytime phone #: 715.346.4190
 E-mail address: bbrown@uwsp.edu

The information sought in this form is required by §§19.43 and 19.44, Wisconsin Statutes. Failure to file a completed form may result in a forfeiture of up to \$500. Statements of Economic Interests are open for public inspection. The Ethics Board will notify you of the identity of any person who examines your Statement. In accordance with §13.04(1)(m), Wisconsin Statutes, the Ethics Board states that no personally identifiable information is likely to be used for purposes other than those for which it is collected.

* Addendum pg. 1

Portfolio Holdings as of 09/20/2005
Positions and Quotes as of Previous Day

Security	Quantity	Price	Value
FEDERA	265.14	1	\$265.14
ABALX	823.026	17.94	\$14,765.09
AMHIX	1531.77	15.61	\$23,910.93
APPX	35	45.22	\$1,582.70
APA	20.0521	75.6	\$1,515.94
CAT	47	56.81	\$2,670.07
HD	115.8664	38.71	\$4,485.19
AMECX	812.578	18.63	\$15,138.33
INTL	231.2855	20.62	\$4,769.11
LLL	65.2055	80.39	\$5,241.87
SBC	128.4357	24.08	\$3,092.73
SO	153.3051	35.69	\$5,471.46
SUNW	650	3.96	\$2,574.00
TSO	39	63.25	\$2,466.75
WFC	81.3473	59.23	\$4,818.20



- Am. Fds. Am. Balanced
- " High Inc. Muni. Bond
Am Fds Inc. Fd. of America
L3 Comm.

Security	Quantity	Price	Value
AEPGX	483.79	39.89	\$19,298.38
AGTHX	877.197	29.57	\$25,938.72

Am. Fds. EuroPacific Gr.
" " Growth Fd. of America

Portfolio Holdings as of 09/20/2005
Positions and Quotes as of Previous Day

Security	Quantity	Price	Value
ANCFX	581.875	34.52	\$20,086.33
ANEFX	780.019	21.76	\$16,973.21

Am. Fds Fund. Inv.
" " New Economy

Portfolio Holdings as of 09/20/2005
Positions and Quotes as of Previous Day

Security	Quantity	Price	Value
PERSHI	119.07	1	\$119.07
AMECX	1208.223	18.63	\$22,509.19
ANWPX	798.594	29.35	\$23,438.73
AWSHX	701.221	30.88	\$21,653.70

Am Fds Inc Fd of America
" " New Perspective
" " Wash. Mutual

Portfolio Holdings as of 09/20/2005
Positions and Quotes as of Previous Day

Security	Quantity	Price	Value
PERSHI	170.31	1	\$170.31
ANWPX	273.169	29.35	\$8,017.51
AWSHX	141.855	30.88	\$4,380.48

Am Fds New Persp.

Portfolio Holdings as of 09/20/2005
Positions and Quotes as of Previous Day

Security	Quantity	Price	Value
PERSHI	107.55	1	\$107.55
AMECX	405.477	18.63	\$7,554.04

Inc. Fd. of Am.

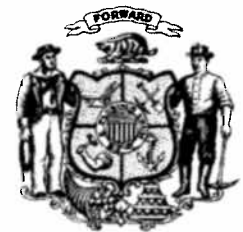
* Addendum pg. 2

ANWPX	159.213	29.35	\$4,672.90
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FID PURITAN	• \$68,000
FID CONVERTIBLE SECURITY	• \$41,000
FID TREND	• \$29,000
FID CAPITAL & INCOME	\$4,700
VANGUARD High Yield Corporate Fund	\$3,600



WISCONSIN STATE LEGISLATURE





WISCONSIN STATE REPRESENTATIVE
Louis J. Molepske, Jr.
71ST ASSEMBLY DISTRICT

February 14, 2006

The Honorable Neal Kedzie, Chair
Senate Committee on Natural Resources and Transportation
State Capitol, Room 313 South
Madison, WI 53707-7882
VIA INTERDEPARTMENTAL MAIL

Dear Senator Kedzie:

I write in support of Professor Bryant Browne's appointment to the Examining Board of Professional Geologists, Hydrologists and Soil Scientists. It is my understanding the Senate Committee on Natural Resources and Transportation is scheduled to review his appointment this Wednesday.

Prof. Browne's experience as an associate professor of soils in the University of Wisconsin-Stevens Point's College of Natural Resources will be a tremendous asset to this board, especially his research and development of technology for monitoring ground water quality. Among Prof. Browne's many accomplishments includes the recent granting of a patent for a devise that samples multiple dissolved gases in surface and groundwater. This breakthrough technology can be used to enhance water quality monitoring and remediation.

Prof. Browne is a respected and dedicated faculty member at the University of Wisconsin-Stevens Point and a world wide leader in his field. I believe he will serve the citizens of the State of Wisconsin well as a member of the Examining Board of Professional Geologists, Hydrologists and Soil Scientists, and I respectfully encourage the committee to confirm his appointment. If you have any further questions about his qualifications, please do not hesitate to contact me.

Sincerely,

Louis J. Molepske, Jr.
State Representative
71st Assembly District

LJM/srh

Cc: Prof. Bryant Browne

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1557 Church Street
Stevens Point, WI 54481
(715) 342-8985
Rep.Molepske@legis.state.wi.us

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Madison, WI 53708-8953
Toll-free: 888-534-0071 or (608)267-9649
FAX: (608) 282-3671