ENGINEERS GEOSCIENTISTS MANITOBA

2016

Platforms and Histories and the Professional Activities of the Geoscience Nominees for Election to the Council

Douglas Bell, M.Sc., P.Geo., FGC

Candidate put forth by the Nominating Committee

EDUCATION:
M. Sc. Geology, University of Alberta, 1994
B. Sc. Hons. Geology, University of Manitoba, 1986

ASSOCIATION ACTIVITIES:
Professional Geoscientist, Engineers Geoscientists Manitoba, 2002 to present
Professional Geoscientist, APEGA, 1992 to present
Student Networking Evening, participant, 2012 to 2015
Registration Committee, member, 2008 to 2016
Environment and Sustainable Development Committee, member/vice chair, 2008 to 2011
Nominating Committee, member, 2008
Subcommittee on Professional Registration of Geoscientists, member, 1997 to 1998

OTHER ENGINEERING ACTIVITIES:
Fellow of Geoscientists Canada, inducted 2014
National Ground Water Association, member
APEGA, responsible member; Ethics Workshop Participant
Professional Member of APEGA (Alberta), APEGS (Saskatchewan), NAPEG (NWT & Nunavut)
Manitoba Environmental Industries Association, member, former Board of Directors

EMPLOYERS SINCE GRADUATION:
Dillon Consulting Ltd., Geoscience Practice Leader/Partner, 2003 to present
Manitoba Conservation, Groundwater Specialist, 2000 to 2002
M.M. Dillon Limited, Environmental Geologist/Hydrogeologist, 1992 to 1999
Norcen Energy Resources Ltd., Exploration Geologist, 1989 to 1991
University of Alberta Department of Geological Sciences, Research Assistant, 1988
Alberta Research Council, Oil Sands Geologist, 1987
Canadian Hunter Exploration Ltd., Junior Petroleum Geologist, 1986

QUESTIONS FROM THE NOMINATING COMMITTEE:

1) In your view, what is the single most important issue facing the professions today, and why?

An important issue facing the professions today is the shortage of mid-career experienced professionals. Resource constraints in geoscience and engineering are directly impacting the economic growth and competitiveness of our businesses. The solution needs to come from within the professional community through implementing more direct mentoring/coaching of new professionals to advance the development of the necessary skills/competencies. This also includes succession planning and the integration of foreign-trained professionals to create a more dynamic and diverse work force.

2) Why is self-regulation and the responsibility given to us by government and the public important?

Self-regulation is an important component to the professional practice. As practicing professionals we have an in-depth understanding of the evolving requirements to maintain the standards of practice to protect the public and environment. This significant responsibility is taken very seriously and self-regulation is a demonstration of this commitment

3) What do you think the public's expectation is from the practices of engineering and geosciences?

Our profession operates at the interface between the natural and the constructed world. We are viewed as leaders in applying scientific and engineering principles to improve society. Public safety is paramount in all our actions. The public also entrusts us to promote sustainable development and minimize environmental impacts for the protection of the natural environment for future generations. In addition, society is facing many upcoming challenges related to climate change and we are also tasked with protecting critical infrastructure and adapting to new climate normals.

Pamela Fulton-Regula, M.Sc., P.Geo., FGC

Candidate put forth by the Nominating Committee

EDUCATION	M. Sc. Geology, University of Manitoba, 1999 B. Sc. Geology & Applied Geology, Glasgow University, UK, 1996
ASSOCIATION ACTIVITIES	Professional Geoscientist, Engineers Geoscientists Manitoba, 2004 to present Councillor, 2014 to 2016 Geoscience Issues Committee
OTHER RECENT GEOSCIENCE ACTIVITY HIGHLIGHTS	Various presentations on Hydraulic fracturing in Manitoba, 2015 to 2016 Energy & Mines Ministers Conference, 2016 Grand Challenge Forum: Responsible Development of Low Permeability Hydrocarbon Resources, 2016 Manitoba Mines and Minerals Convention, 2016 American Association of Petroleum Geologists, 2016 Geological Survey of Canada - Energy Geoscience: Advancing a Collaborative, Open Innovation Network (ongoing work) Ministers Mining Advisory Council Workshop, 2015 Williston Basin Petroleum Conference, 2015 Manitoba Petroleum Branch Workplace Safety & Health Representative Manitoba Mineral Resources Fire Warden
EMPLOYERS SINCE GRADUATION	Petroleum Branch, Manitoba Mineral Resources, Petroleum Geologist, 2007 to present Distell.com, North American Distributor, 2005 to 2007 Gossan Resources Limited, Geologist, 2003 to 2005 University of Manitoba, Research Assistant, 2001 to 2003 Manitoba Industry, Trade & Mines, Research Assistant, 2001 Cambrian Stone Inc., Geologist, 1999 to 2001 Norseman Supply Ltd., Claims staking, 1999 Tantalum Mining Corporation (Canada) Ltd., Geologist, 1999 & 2001 Caledonia Mining, Geologist, 1996

QUESTIONS FROM THE NOMINATING COMMITTEE

1) **In your view, what is the single most important issue facing the professions today, and why?**

In my opinion the most important issue we face as a profession is poor public perception from negative media coverage which is eroding our social licence to operate.

The profession has had some highly publicized failures such as at Lac Megantic, Quebec, Elliot Lake, Ontario and Mount Polley, British Columbia. There has also been public conjecture leading to questioning our practices in, for instance, hydraulic fracturing.

All this negative media attention is contributing to a lack of public trust in our developed standards, government regulations and policies, company practices, designs and equipment and ultimately us, the professional engineers and geoscientists behind them. This is understandably leading to increased public distrust and opposition to engineering and geological projects.

** The information, content and views expressed in these platforms are submitted by the candidates and are not necessarily those held by Engineers Geoscientists Manitoba or the Engineers Geoscientists Manitoba Council.*

2) **Why is self-regulation and the responsibility given to us by government and the public important?**

The responsibility of self regulation is very important as our actions will be broadcast to the public, and how we handle our affairs will determine if we or some other body will regulate the practices of engineering and geoscience in Manitoba. I, personally, would rather control remained with the practitioners who understand and care about these professions.

3) **What do you think the public's expectation is from the practices of engineering and geosciences?**

I think the public wants practitioners of engineering and geoscience to put the public interest ahead of their own. That we control our fellow practitioners through enforcement of written Regulation, Bylaw and Policy. That those controls are crafted to safeguard our environment, economy and way of life so that it is preserved for future generations. It's a tall order but I know we all try to do this every day.