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Reference No. 1000

NPPR

Dear Kim:

Re: Fred Granek's Passing

As I return to work today and the insulation of shock passes, I'm left with profound grief at the loss of a great friend, mentor, and co-labourer and gratitude to have journeyed with him these dozen years.

I'm especially grateful to have had the opportunity to co-present with Fred at the National Pollution Prevention Roundtable conference in Indiana on September 26th. Rather than squandering time on introductions, Fred drafted a handout (attached) of not only bio highlights, but an engaging glimpse into the origins of the speaker's friendship and professional association.



Following the workshop, Fred was energized and telling folks that this was his best presentation ever. This is not surprising to folks who know Fred as he says this after almost every presentation. However, in this case, I'm inclined to believe him. As President of the recently revived Canadian Centre for Pollution Prevention (C2P2), he was able to speak entirely from his own voice at this conference. The presentation encapsulated the (likely unparalleled) success of the Onsite Technical Assistance Program that he developed and managed (90% implementation rate, 100% average ROI, equivalent of 171 million toilet flushes avoided, the weight of 1,867 SUVs worth of toxics per year avoided, etc.).

http://www.in.gov/idem/ppp/files/conference_20130926_presentation_value_of_p2.pdf

I was then able to present case studies from some of the 27 assessments that we completed under the program. This included the Tim Hortons project that happened to win a national sustainability award the same day as the conference.

<http://www.corporateknights.com/article/clean-50>

Sharing with Fred over breakfast and the ride back to the airport reminded me of the great times had by all at the 15 Canadian Pollution Prevention Roundtables (3 of which were chaired by Fred). Of all the conferences that I attend, this was always the one I looked forward to every year. How many other conferences include impromptu sing-alongs led by union reps who are

there to collaborate with friends from industry, academia and government. Like Fred's personality itself, the roundtables served to build enduring friendships and ignite passion in folks returning to their areas of influence.

The roundtables were also host of the national awards that Fred championed (Canadian Council of Ministers of the Environment P2 awards and John de Gonzague Memorial P2 visionary award). I'm saddened that we will not get to see where Fred would have led the rejuvenated C2P2. It is my hope that at the same point in my career, I am as passionate and courageous to launch into new endeavors.

A few lessons that I have/am learning from my dear friend Fred are to:

- Be discerning and select friends who are gems and then treasure them as such
- Invest in the careers of others and protect those under your care
- Enjoy the journey and laugh heartily along the way
- Be passionate about your work and ignite passion in others
- Speak truth boldly
- Collaborate broadly around a common purpose
- Frequently enjoy nature and the natural environment
- Do not hide your faith, and
- Love your spouse and family tenderly

Fred you are already dearly missed by family, colleagues, and those who would have benefitted from your continued service of the environment and society. It is left to us to continue contributing to the changes in the world you sought. Thank you.

Yours truly,
ENVIRO-STEWARDS INC.



Bruce Taylor, P.Eng.
President

BUSINESS VALUE OF POLLUTION PREVENTION AND SUSTAINABILITY – INTERNATIONAL CASE STUDIES HANDOUT MATERIAL

Speakers



Fred Granek (kayaking with grandson Jaden)



Bruce Taylor (and wife Jana at their Engagement party in South Sudan)

How We Met

Early in 2001, Bruce was working on a sustainability project in El Salvador and applied to be on the roster for a government business water quality (Pollution Prevention) program. Although it was sent a week in advance, his application arrived to the right address on the right date and to the right desk --15 minutes late, and so he was excluded from consideration. But the program manager was impressed by his credentials and recommended that he approach Fred about the Toronto Region Sustainability Program.



Bruce was hungry and in short order arranged for the two of us to visit and present to three prospective industrial clients on the same day! We started at 9 am and finished the day at 6:30 pm. Exhaustion!

Working Relationship

Bruce was one of a small group of highly competent pollution prevention practitioners on the roster for the Toronto Region Sustainability Program (the predecessor to the Ontario On-Site Technical Assistance Program).

Bruce's first client under Program umbrella was a paint tote cleaner. His assessment included 12 P2 recommendations of which the client adopted six. The most notable project was the elimination of the use of methylene chloride, by replacing the solvent with soluble media blasting with baking soda! And the payback for the client for the six projects was five months!

In the period 2001 to 2013, Bruce's group completed 27 P2 assessments under the Program. His clients have implemented more than 300 P2 projects that optimized their processes while reducing their toxics, criteria air contaminants, greenhouse gases, hazardous wastes, water and energy consumption, with an overall payback of one year (projected savings of \$5.8 million/year).



And during that time, Bruce's status changed from being the most eligible pollution prevention bachelor, to that of husband, and father of three.

Bios

FRED GRANEK, B.Sc. (Honours Physics), M.E.S. (Applied Ecology),

Fred Granek, the President of the Canadian Centre for Pollution Prevention, is a Pollution Prevention and Sustainability Consultant with 39 years of professional environmental experience.

For thirteen years, he had executive management responsibility for the *On-site Pollution Prevention Technical Assistance Program*, which provided toxics reduction, pollution prevention and energy efficiency technical assistance for small-to-medium sized manufacturers (SMEs) throughout Ontario. The Program was honoured with a Most Valuable Pollution Prevention (MVP2) Award by the US National Pollution Prevention Roundtable in 2003 and also received Honourable Mention for leadership in pollution prevention, at the eighth annual Canadian Council of Ministers of the Environment (CCME) Pollution Prevention Awards in 2005.

He has designed, developed, and conducted 470 pollution prevention awareness and understanding workshops, seminars, lectures, and webinars in Canada, the US and Russia, for industry, professional organizations, universities and government, and conducted 45 tools-in-the-tool box training workshops for international, national, provincial and local clients, over the past 20 years. On behalf of the Ontario Ministry of the Environment, he collaborated in the development of the online and classroom toxic substance reduction planner training



and licensing curriculum, and instructed five 18-hour classroom training sessions as a subject matter expert.

He served as the Executive Director and Vice Chair/Chief Operating Officer for the Canadian Centre for Pollution Prevention, chaired the Canadian Pollution Prevention Roundtable from 2008 to 2010 and Sustainability Applied 2011, is a member of the US National Pollution Prevention Roundtable, and is the Canadian representative on the Editorial Board for The Journal of Cleaner Production. In 2008, Mr. Granek was honoured with the John de Gonzague Memorial Pollution Prevention Visionary Award at the 12th Canadian Pollution Prevention Roundtable. In 2010, Mr. Granek received the MVP2 Champion Award (Honourable Mention) from the National Pollution Prevention Roundtable.



Fred also had 25 years of public sector and consulting experience in the environmental sector, including 17 years with the Ontario Ministry of the Environment.

Bruce Taylor, P. Eng, B.A. Sc. (Chemical Engineering), MRE

Bruce Taylor is President of Enviro-Stewards Inc., an engineering firm and Certified B Corporation that helps clients increase their profits, sustain the environment and compellingly benefit society. He is a chemical engineer with 23 years of experience and has expertise in the fields of pollution prevention, water efficiency, energy efficiency, Lean & Clean, Toxics Use Reduction, sustainable development and treatment process design. His projects have won national awards including the Canadian Council of Ministers of the Environment Pollution Prevention Award (North York General Hospital project) and the Bloom Sustainability Leadership Award (PepsiCo Foods).

Mr. Taylor has received the MVP2 Honorable Mention Award from the National Pollution Prevention Roundtable (NPPR) and the 2010 John de Gonzague Memorial Pollution Prevention Visionary Award, which is the highest award in this field in Canada. His international development work includes construction of an orphanage in Sudan, earthquake relief in El Salvador, cleaner production training in Laos, and establishing sustainable income generating projects in South Sudan (www.thesafewaterproject.com).

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