

# 2019

## Ontario Excess Soil Symposium Agenda



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# 2019 Excess Soil Symposium

**Wednesday December 4<sup>th</sup>, 2019 | 8:00am – 4:30pm**  
**Deer Creek Golf Club, Ajax**

Supporting the beneficial reuse of excess soil in Ontario.

Construction and development in Ontario generate millions of cubic metres of excess soil that must be transported across the province each year. The movement and relocation of soil must be properly managed to mitigate negative impacts on communities and the natural environment.

The Canadian Urban Institute (CUI) is convening the 2019 Ontario Excess Soil Symposium to discuss recent updates in policy and regulation and to share lessons and case studies about the successful management of excess soil.

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# 2019 Excess Soil Symposium

## AGENDA

8:00AM	Light Breakfast & Registration
8:50AM	<b>CUI WELCOME &amp; OVERVIEW</b>  Geneva Starr, Project Manager, Canadian Urban Institute Andréa Calla, Board Chair, Canadian Urban Institute
9:00AM	<b>INTRODUCTORY REMARKS</b>  Jeff Yurek, Minister, Ontario Ministry of Environment, Conservation and Parks (MECP)
9:15AM	<b>KEYNOTE: IT AIN'T JUST DIRT</b>  <i>Jeff Goldman examines the state of excess soil management in Ontario and challenges all to achieve improved outcomes.</i>  Jeff Goldman, Principal, SoilFLO
9:45AM	<b>SESSION 1: UPDATES ON POLICY &amp; REGULATION</b>  <i>Panel discussion on best practices for regulations &amp; policies to support excess soil reuse, including by-laws.</i>  Chris Lompart, Manager, Land Use Policy, MECP (Opening remarks on updates to provincial regulation) Lori Fox, Supervisor of Field Services, County of Brant Monisha Nandi, Environmental Director, Kilmer Brownfield Management Al Durand, Principal and Administrator, SOiL Janet Bobechko, Senior Partner, Norton Rose Fulbright (Moderator)
11:00AM	<b>COFFEE + NETWORKING</b>
11:15AM	<b>SESSION 2: BENEFITS OF PLANNING EARLY</b>  <i>Case studies that demonstrate the importance of planning early for good excess soil management.</i>  Meggen Janes, Director of Soil and Groundwater Management, Waterfront Toronto Kathryn Beaton, Environmental Coordinator, EllisDon Karim Hosny, Lead Environmental QP, Crosslinx Transit Solutions Grant Walsom, Co-Chair, Excess Soils Working Group, Ontario Environment Industry Association (Moderator)

# 2019 Excess Soil Symposium

12:15PM	<b>LUNCH + NETWORKING</b>
12:45PM	<b>LUNCH KEYNOTE: LESSONS FROM THE UK – CL:AIRE CASE STUDY</b> <p>Nicholas Willenbrock, Joint Manager, Contaminated Land: Applications in Real Environments (CL:AIRE)</p>
1:30PM	<b>SESSION 3: SOIL QUALITY &amp; QUALIFIED PERSONS (QPs)</b> <p><i>Discussions on the implications of differing soil quality &amp; the roles &amp; responsibilities of QPs.</i></p> <p>Paul Welsh, Brownfield Program Coordinator, MECP</p> <p>Dave Carnegie, Ontario Society of Professional Engineers</p> <p>Jim Walls, VP – Environment, R.J. Burnside &amp; Associates</p> <p>Lori Fox, Supervisor of Field Services, County of Brant</p> <p>Krista Barfoot, Principal Technologist, Stantec (Moderator)</p>
2:30PM	<b>COFFEE + NETWORKING</b>
2:45PM	<b>SESSION 4: LESSONS FROM THE FIELD</b> <p><i>Unique excess soil management solutions, including: stormwater management pond sediment, hydrovac soils &amp; trench material reuse.</i></p> <p>Francine Kelly-Hooper, Environmental Contaminant Scientist, Stantec</p> <p>Ashley Herman, President, Intelligent Soil Recycling</p> <p>Patrick McManus, Director of Government Relations and Communications, Ontario Sewer &amp; Watermain Construction Association</p> <p>Jeff Evenson, Director, Canadian Urban Institute (Moderator)</p>
3:45PM	<b>LIGHTNING ROUND: INNOVATION IN EXCESS SOIL MANAGEMENT</b> <p><i>Presentations that highlight new &amp; emerging practices to support beneficial reuse of excess soil.</i></p> <p>Jim Whitestone, Chief Environmental and Financial Economist, Convergence Tech</p> <p>Gus Sukkurwala, National Technical Leader, Mobile Technology, Stantec</p> <p>Kirsten Groody, Business Development Manager, Recycling &amp; Circular Economy, Lafarge</p>
4:15PM	<b>CLOSING REMARKS</b> <p>Mary W. Rowe, President &amp; CEO, Canadian Urban Institute</p>



## 2019 Excess Soil Symposium - Speakers



**Dr. Krista Barfoot, C.Chem., QPRA**  
Principal-Environmental Services, Stantec

A Brownfield Redevelopment Specialist with Stantec Consulting Limited, Dr. Barfoot has 23 years of industry experience, including over 15 years of experience in strategic site planning, risk assessment, vapour intrusion assessment, and risk management. Her technical expertise additionally extends to the management of excess soil, non-aqueous phase liquid, risk mitigation measures, stakeholder communication, and emerging contaminants.

Dr. Barfoot is a qualified person for risk assessment (per Ontario Regulation 153/04), chair of the Ontario Environmental Industry Association (ONEIA) Brownfields Committee, an ONEIA Excess Soils Sub-Committee member, and a member of the board of the Canadian Brownfields Network. She has also twice served on the Canadian Urban Institute's Excess Soil Symposium Advisory Committee.



**Kathryn Beaton**  
Environmental Coordinator, EllisDon

Kathryn Beaton currently manages environmental compliance, including soil management practices, on design build transit infrastructure projects. These construction projects are obligated to comply with the MECP Management of Excess Soil – A Guide for Best Management Practices. Working alongside construction teams, Kathryn has a strong understanding of how operations are impacted by permitting and regulatory requirements. Kathryn's discussion will review challenges associated with excavated materials management and lessons learned to focus on when pursuing future projects.



**Janet Bobechko**  
Senior Partner, Norton Rose Fulbright

Janet is recognized as a leading practitioner in environmental law. She works with many industrial sectors, including manufacturing, mining, transportation, chemical, pulp and paper. She advises on climate change issues and Ontario's cap-and-trade regime and issues related to the Canada - European Union Comprehensive Economic and Trade Agreement (CETA). She also provides advice in relation to aboriginal consultation and how to work collaboratively with aboriginal groups.

She recently received a career achievement award from the Canadian Brownfield Network as a person who has had a profound impact on the Brownfield industry in Canada.



**Dave Carnegie**  
Ontario Society of Professional Engineers (OSPE)

Dave Carnegie has represented OSPE on Provincial working groups for excess soils management and brownfields regulation modernization. Dave also serves on the OSPE Membership Advisory Committee. He is a partner and senior engineer with an Ontario based geo-environmental science and engineering firm.

In his free time Dave volunteers as a member of the Kingston Economic Development Corporation Board of Directors and Queen's Beaty Water Research Centre Advisory Board. He also frequently volunteers his time at Queen's University working with students.

## 2019 Excess Soil Symposium - Speakers



**Al Durand**

Principal and Administrator, SOiIL

Al spent 35 years working for Imperial Oil Limited in the engineering, distribution, marketing and environmental operations areas. In the past 12 years, he has provided consultation for the private and government sectors associated with risk-based approaches to encouraging site remediation and Brownfield redevelopment. Most recently, his focus area has been the responsible management and beneficial reuse of excess construction soils in Ontario.

Working with the Residential and Civil Construction Alliance of Ontario (RCCAO), Al has provided input to the development of excess soil best management practices which in turn led to the creation, in 2013, of the excess construction soil-matching web site SOiIL.



**Jeff Evenson**

Director, CUI

Jeff joined CUI in 2002 after working for 2 Toronto mayors. He specializes in connecting stakeholders with issues, urban utility and culture mapping, strategic issues management and participatory design of public policy. Jeff believes that effective engagement helps mitigate risk. He's interested in community energy planning, creative economy, sustainable urban development and the public realm.



**Lori Fox**

Principal, County of Brant

Lori Fox is a certified engineering technologist employed with the County of Brant Development Engineering Division as their Supervisor of Field services. Lori draws on 30+ years of experience in the civil engineering field including design and review of private and municipal projects. For the past 10 years, Lori has overseen the implementation of Site Alteration By-laws for the Township of Scugog and the County of Brant.



**Jeff Goldman**

Principal, SoilFLO

Jeff Goldman is an award-winning homebuilder, land developer and entrepreneur who is recognized for blending successful business practices with environmental stewardship. He is a Past President of The Durham Region Home Builders' Association and is the delegated representative for The Ontario Home Builders' Association to The MECP's Excess Soils Working Group.

Jeff is a Principal of SoilFLO Inc., a company achieving improved excess soil management outcomes for many large and diverse construction projects throughout the Province.

## 2019 Excess Soil Symposium - Speakers



**Kirsten Groody**  
Manager – Recycling & Circular Economy,  
Lafarge

Kirsten leads the Circular Economy Program in Eastern Canada for the Aggregate Product Line at Lafarge Canada Inc. In her current role she develops symbiotic relationships between industries, identifying where one project's waste can be the fuel or raw material for another project. By building the Circular Economy, Kirsten and her team extend the economic productivity of building materials and preserve natural resources.

Kirsten studied Civil Engineering at the University of Toronto and Alternative Dispute Resolution at York University. She is an ISO14001 Lead Auditor and has 15 years of experience implementing appropriate technologies and solutions in the Construction, Waste Management and Building Materials sectors.



**Ashley Herman**  
President, Intelligent Soil Recycling

Both an innovator and an environmentalist, Ashley was part of a successful family-owned, environmentally focused construction business. The business was later sold to a large environmental services company in 2014. Looking for the next challenge, Ashley started Intelligent Soil Recycling (ISR) in 2014, realizing his vision of a better way to manage hydrovac waste that was beneficial to both customers and the environment.

A devoted husband and father of two, Ashley loves to spend time enjoying nature with his family. He is also a cycling enthusiast and participates in the Enbridge Ride to Conquer Cancer. Ashley is a graduate of Queens University, Engineering Chemistry.



**Dr. Francine Kelly-Hooper**  
Environmental Contaminant Scientist,  
Stantec

Dr. Kelly-Hooper has over 25 years of experience in the private and government sectors, operating her environmental consulting business, Kelly-Hooper, from 1998-2014. Over the past 18 years, Francine has developed new approaches to soil and sediment beneficial use through her PhD research and environmental consulting projects.

Her research has recently led to the first federally and provincially approved SWM pond sediment beneficial use projects in Canada.



**Karim Hosny**  
Soil Operations Manager, Crosslinx Transit  
Solutions

Karim Hosny is currently a member of the Environmental Management Team with Crosslinx Transit Solution – Constructors working on the Eglinton Crosstown LRT (ECLRT) Project in Toronto. Karim leads a team of environmental professionals responsible for soil management practices across the ECLRT Project. Upon completion, there will be over 2 million m<sup>3</sup> of excess soil excavated and removed off site from the various stations and stops, all of which are required to adhere to the MECP Management of Excess Soil – A Guide for Best Management Practices.

## 2019 Excess Soil Symposium - Speakers



**Meggen Janes**

Director of Soil and Groundwater Management, Waterfront Toronto

Meggen has over 25 years of experience in environmental consulting, environmental management, risk assessment, and remediation projects. She has implemented soil management best management practices based on the MECP's BMP and concepts in the draft Excess Soil Regulation on a variety of brownfield and non-brownfield projects and has developed soil reuse specifications that have been used on infrastructure and remediation projects.

She also has experience in groundwater characterization; treatability studies; physical, chemical, and biological in-situ treatment system design; wastewater and vapour treatment facility design; system start-up and commissioning; operations and maintenance (O&M); and permitting.



**Chris Lompart**

Manager, Land Use Policy, Ministry of Environment, Conservation and Parks (MECP)

Chris has been with the Ministry for the past twenty years and has worked on environmental policy development for over 25 years in the public and non-government sectors. Chris has spent much of that time working on brownfields redevelopment and excess soil policy as well as environmental planning and land use planning-related legislation, regulations, and policy, such as the Lake Simcoe Protection Act and Plan, the Provincial Policy Statement and Growth Plan, and the Great Lakes Protection Act.



**Patrick McManus**

Director, Government Relations & Communications, OSWCA

Patrick McManus's role is focussed on advocacy and relationship building with provincial and municipal decision-makers on key policy issues affecting the sewer and watermain construction industry. Prior to working with the OSWCA, Patrick was employed in a similar role with the Ontario Road Builders Association. He also has experience working in the field as a general laborer for a major Canadian road building contractor. Prior to his employment in the construction industry, Patrick was employed by the Government of Canada at the Department of Foreign Affairs, Trade and Development working on international strategy around Canada's development aid program.



**Monisha Nandi**

Environmental Director, Kilmer Brownfield Management Limited.

Monisha provides strategic direction on environmental assessment, remediation and risk management activities for Kilmer Brownfield's portfolio of real estate developments and potential acquisitions. With more than a decade of experience in the brownfield management and development industry, her experience has spanned across many industries including real estate development, oil and gas, manufacturing, and environmental consulting. Monisha is also a Board Member and Committee Chair for the Canadian Brownfield Network.



## 2019 Excess Soil Symposium - Speakers



**Mary Rowe**  
President & CEO, CUI

Mary is a leading urban advocate and civil society leader who has worked in cities across Canada and the United States. Mary comes to CUI with several years of experience as an urban advocate and community leader, including serving as Executive Vice President of the Municipal Art Society of New York (MASNYC), one of America's oldest civic advocacy organizations focused on the built environment. A mid-career fellowship with the US-based blue moon fund led her to New Orleans where she worked with national philanthropy, governments and local communities to support rebuilding after Hurricane Katrina. Prior, Mary was President of the Canadian platform Ideas That Matter, a convening and publishing program based on the work of renowned urbanist Jane Jacobs.



**Geneva Starr**  
Project Manager, CUI

Geneva Starr is a Project Manager and Researcher at the Canadian Urban Institute (CUI). Geneva's work focuses on driving sustainable, low carbon communities through applied research, technical tool development, convening experts, coordinating events and facilitating engagement. At CUI, she leads projects on excess soil management, municipal energy management, and smart cities. Geneva has an Honours Bachelor of Engineering in Water Resources from the University of Guelph. While at Guelph, Geneva received awards for her water engineering research and academic achievements.



**Gus Sukkurwala**  
National Technical Leader, Mobile Technology, Stantec

At Stantec, Gus is a thought leader in digital technologies for engineering and environmental work in addition to knowledge management. Volunteering and travelling with his family provide inspiration for Gus to create powerful solutions for his clients. By helping clients manage their knowledge and information, they are fully engaged in execution, delivery, and overall project success.



**Grant Walsom**  
Partner, Senior Remediation Engineer, XCG Co-Chair, Excess Soils Working Group, ONEIA

Mr. Walsom is a Professional Engineer registered in Ontario, Nova Scotia, and Alberta, and a registered Consulting Engineer in Ontario with over 25 years of experience. In addition, he is a Qualified Person as defined by O. Reg. 153/04. Since 2011, he has been on the Board of Directors for the Ontario Environment Industry Association and is the co-Chair for the Excess Soils Working Group. In his role with ONEIA, he recently participated in the Ontario Environment Ministry's Excess Soils Engagement Group.

Mr. Walsom also serves on the Board of Directors for the Canadian Brownfields Network. He was proudly named the CUI 2015 "Brownfielder of the Year."

## 2019 Excess Soil Symposium - Speakers



### **Dr. Paul Welsh**

Brownfield Program Coordinator, Ministry of Environment, Conservation and Parks (MECP)

Dr. Paul Welsh is the Brownfield Program Coordinator with the Ontario Ministry of Environment, Conservation, and Parks (Ecological Standards Section, Standards Development Branch) and was involved with developing the proposed excess soil standards and regulation. Previously, he worked as a research scientist with the ministry and has extensive experience with ecological and human health risk assessments at contaminated sites.

He also has environmental consulting experience working in the United States on several Natural Resource Damage Assessments. He has an MSc in Zoology from the University of Guelph and a PhD in Biology (Aquatic Toxicology) from the University of Waterloo.



### **Nicholas Willenbrock**

Joint Manager, CL:AIRE

Nicholas is joint manager of CL:AIRE, a UK based NGO which champions the sustainable management of land. At CL:AIRE he manages the development of the Definition of Waste: Development Industry Code of Practice (DoW CoP) – a successful, co-regulation approach to excavated soils reuse. Alongside this, he has developed CL:AIRE's online 'Register of Materials' which successfully matches projects with surplus soils to those with a deficit. Nicholas also leads the auditing and review process on behalf of CL:AIRE and UK Regulators and led the first research into the benefits of soil reuse through sustainability assessments of real projects. The outcomes of this work creates a very strong argument for the adoption of such approaches and highlight the clear value of soils and the need to protect them as a valuable natural resource through the creation of a circular economy.



### **Jim Whitestone**

Chief Environmental and Financial Economist, Convergence

Jim is the former Assistant Deputy Minister of the Climate Change and Environmental Policy Division at the Ontario Ministry of the Environment and Climate Change. He led teams that were responsible for the development and implementation of a range of climate change related policies and programs including Ontario's cap and trade program with California and Quebec and GreenOn to finance the deployment of low carbon technologies. His other policy and program responsibilities included Great Lakes water quality including the Canada-Ontario Lake Erie Action Plan towards U.S.-Canada binational commitment to reduce nutrient loadings, renewable fuels for transportation and buildings, indigenous relations and inter-governmental affairs.



### **Minister Jeff Yurek**

Minister, Ontario Ministry of Environment, Conservation and Parks (MECP)

A proud lifelong resident of St. Thomas, Jeff grew up with the family business, Yurek Pharmacy Ltd., which was started by his father Ed in 1963. In addition to growing the pharmacy's operations, Jeff was actively involved in numerous local charitable and not-for-profit organizations. His desire for a better Ontario motivated him to seek the nomination for the Progressive Conservative Party, and he became the riding's MPP in October 2011.

He has served in various roles in government including PC Health Critic, Natural Resources and Forestry Critic, and Transportation and Auto Insurance Reform Critic, Minister of Natural Resources and Forestry, Minister of Transportation, and is currently the Minister of the Environment, Conservation, and Parks.

## 2019 Excess Soil Symposium - Notes

# 2019

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