



PRBs and Innovative Boundary Control to Support Redevelopment of a Hazardous PCB Brownfield

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Background/Objectives. The presentation will revolve around both the Consultant's and Contractor's perspective on a case study of a Contaminant Management Strategy that is currently being implemented on a brownfield in the Greater Toronto Area (ON, Canada). Polychlorinated Biphenyls, chlorinated volatile organic compounds, petroleum hydrocarbons, potential off-Site migration and free product - the Site has a varied and storied past, complete with several ultimately unsuccessful remedial efforts and the well-intentioned but unfortunately mismanaged handling of hazardous levels of PCBs. However, through the discussion of the implementation of a robust property boundary control with a 1000ft long funnel and gate PRB, hotspot remediation and NAPL isolation, and vapour intrusion mitigation and management, this presentation will highlight how this diamond in the rough is being polished into a safe and economically viable asset.

Samuel Lingwood

Samuel Lingwood has a background in mining, mechanical and environmental engineering and is a Senior Technical Manager within the Pinchin Remediation Team, located in the GTA. His primary focus is on soil and groundwater remedial design, evaluation/costing, and implementation - predominantly within the real estate and development, and mining sectors. Mr. Lingwood has widespread experience with challenging projects across Canada, including in northern and remote environments, for a variety of land use and contaminant scenarios. Mr. Lingwood is further responsible for the coordination, adoption and implementation of technological advancements in remediation science and best practices to align with Pinchin's national strategy.

Devin Rosnak

Devin Rosnak is the Director of Business Development at Green Infrastructure Partners Specialty Infrastructure Group – Focusing on Remediation, Excavation, Water Treatment, Demolition and Shoring & Foundations. He has almost 20 years of technical sales and client management experience in the environmental and construction industry. Devin possesses a Bachelor of Environmental Science degree with honours from Trent University. In addition to sales and client management, Devin has experience as a Project Manager for brownfield development and contaminated site remediation projects. Devin's experience and extensive network of industry contacts allow him to assist stakeholders in connecting with the resources needed to move large complex projects forward. Devin has worked closely with representation from GFL's Soils Division and other industry stakeholders to develop knowledge and insight into Ontario's Excess Soils Regulation, O.Reg. 406/19. Devin has been a valuable resource to clients by providing GIP's perspective and position relating to the new regulatory framework. In recent years, Devin has been developing GIP's Indigenous Policy & Engagement through chairing GIP's committee for Partnership Accreditation in Indigenous Relations (PAIR), as well as building relationships with Indigenous Communities across Canada.