



D. Chad LePoudre

P.Eng (Alberta)

President and Principal Geotechnical Engineer

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Employment History

LePoudre GeoEnvironmental Group Inc.

President and Principal Geotechnical Engineer

Chestermere, Alberta, Canada
(Oct 2024-Present)

BHP – Resources Centre of Excellence

Global Practice Lead Tailings
Based near in Calgary, AB, Canada
(Aug 2019 – Oct 2014)

SNC-Lavalin Inc.

Vice President – Geoscience & Materials Testing
Calgary, Alberta, Canada
(Jan 2017 – Aug 2019)

SNC-Lavalin Inc.

Vice President – Geoenvironmental Services
Saskatoon, SK, Canada
(Jul 2011 – Jan 2017)

MDH Engineered Solutions Corp

Vice President – Geotechnical Services
Saskatoon, SK, Canada
(Apr 2003 – July 2011)

1990-2003: Multiple roles in customer service, labour, construction and finance

Expertise

Technical, Management, and Business Development Expertise focused on Tailings and Mine Waste Management, Dam Safety, Risk Assessment, Corporate Governance and Standards and Guidance.

Profile

Mr. LePoudre is the President and Principal Geotechnical Engineer at LGG Inc., and is an internationally recognized, senior-level professional with 35 years of working experience and nearly 25 years of industry and consulting experience directly in tailings facility design, construction, tailings management including closure, technical, governance and risk reviews, consisting of operations, project management and executive experience. He has been involved in tailings related operations and projects globally.

His diverse background rooted as a geotechnical engineer with environmental training evolved into a career in tailings management, working both as a mine owners' senior representative for tailings facilities and, previously, a consultant accountable for various tailings management projects. Mr. LePoudre was the Global Practice Lead for Tailings at a top tier mining company, the tailings subject matter expert responsible for establishing standards, guidance, GISTM conformance processes and participation in various assurance activities (ITRBs, etc.). He also worked as part of the BHP Tailings Task Force, established to elevated tailings management in BHP. He has functioned as the Engineer of Record for tailing dams, has authored environmental impact statements for new mining projects, and been the project manager for numerous site investigation, design, construction, and monitoring projects related to tailings and water related to mine, industrial and municipal waste.

Mr. LePoudre has maintained a focus on advancement of tailings management through various volunteer, committee, and training roles. He contributed to the SME Tailings Management Handbook by contributing a chapter on Tailings Management Systems. He also participated with International Council on Mining and Metals (ICMM) during development of the Global Industry Standard on Tailings Management (GISTM), the ICMM Conformance Protocols, the ICMM Tailings Management Good Practice Guide, and GISTM Training Materials. He has volunteered with Canadian Dam Association for many years, including serving as president and Chair of the Mining Dams Committee. He has participated in numerous workshops across organizations, helping to develop leading practice on various topics related to tailings management and governance through the mining lifecycle, including closure.

A complete list of projects experience, workshops, presentations, and publications is attached.



Education

2003 – 2009: Graduate level courses focused on geoenvironmental engineering, University of Saskatchewan

2003 – B.Sc., Civil Engineering – Great Distinction, University of Saskatchewan

Professional Memberships & Awards

Professional Engineer – P.Eng,
Association of Professional Engineers
and Geoscientists of Alberta

Canadian Dam Association
-Past President (2018); President (2017); Vice-President (2016); Secretary-Treasurer (2013-2015); Provincial Director of SK (2012);
-Mining Dams Committee member; Mining Dams Committee chair (2020-2021);
-Awards: Canadian Dam Association – Peter Halliday Award for Service (2022); Service Recognition (2018); Service Recognition (2012)

Canadian Institute of Mining (CIM)
-Environmental & Social Responsibility Society Committee
-Award: Distinguished Lecturer (2018)

Society for Mining, Metallurgy & Exploration (SME)
-Tailings Committee

Languages

English - native, fluent
Spanish – intermediate learner (High B1 level of CEFR)

Experience / Career Highlights

- More than 5 years as the senior subject matter expert on tailings at a top-tier mining company (BHP), member of the Tailings Task Force, and was personally accountable for establishment of technical and governance standards, guidance, key risk indicators, coaching, creation of global corporate processes for GISTM and TSM conformance, and participation in various assurance activities such as ITRBs, risk assessments, audits, business development reviews, and due diligence reviews.
- BHP representative in the Tailings Working Group at ICMM during development and launch of GISTM. Actively contributed to the development of the ICMM Conformance Protocols, the ICMM Tailings Management Good Practice Guide, and GISTM training offered by ICMM.
- Author of the Tailings Management Systems chapter of the SME Tailings Management Handbook.
- Past President and past board member of Canadian Dam Association, and past Chair of CDA Mining Dams Committee, and continue to be actively involved with several professional and industry associations.
- Engineer and designer of Record (EoR/DoR) for multiple tailings facilities across various mining commodities while a consultant
- Awarded ‘Distinguished Lecturer’ by CIM, in recognition of advancing knowledge and practices related to dams.
- Technical lead and project manager for numerous consulting projects including site characterization, assurance activities, instrumentation installation and monitoring, slope stability studies, Environmental Impact Studies, and designs through all phases of mine life, risk assessment, including:
 - Designer or Record for several Tailings Storage Facilities, brownfield expansions and new greenfield facilities, including the greenfield TSF at the BHP Jansen mine.
 - Designer and Project Manager for ~\$100 million, 10.7km long cutoff wall constructed over 6 years at a Saskatchewan potash mine used for groundwater management surrounding the mine site, including tailings management area.
- Member of ownership (one of ten owners) and management team of MDH that grew the geoenvironmental services consulting company from \$1million to greater than \$25million revenue from 2003 to 2011, ultimately resulting in sale to SNC-Lavalin in 2011.
- Other Knowledge Sharing: Author and Presenter at multiple conferences, workshops, and webinars including keynote presentations, multiple workshops, webinars and training on such topics as Dam Safety Reviews (DSR)s, slope stability and instrumentation, risk management, tailings management, dam safety inspections, and risk-informed decision making.