DAVIES



Maria Mendez de Lopez
Environmental Technical Advisor

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Expertise
Environmental and Indigenous

Maria brings more than two decades of experience as an environmental engineer to her role as Environmental Specialist.

Maria conducts environmental due diligence reviews, ensures regulatory compliance and assists with transactions involving environmental risk on projects across Canada. A registered engineer, she has extensive expertise in environmental site assessments, remediation of contaminated sites, hydrogeological studies, environmental impact studies and contaminant dispersion modelling. Maria has a deep knowledge of the provincial and federal laws, regulations and guidelines relating to soil and groundwater contamination, air emissions, waste management, wastewater discharges, toxic substances and spills.

Maria is fluent, both written and spoken, in French, English, Spanish and Portuguese.

External Engagements

Article
Determination of Flux and Transport Parameters for Heterogeneous Aquifers Using an Inverse Method Based on Fractal Attractors (PhD Thesis)
Jan 1, 2000
(São Carlos, Brazil: Universidade de São Paulo)

Article
Buoyant Plumes from Multiport Diffuser Discharge in Deep Coflowing Water, co-author
Aug 1, 1996
Journal of Hydraulic Engineering, Vol. 122, No. 8.

Article
Multiport Diffuser Plume Trajectories in a Coflowing Current, co-author
Jan 1, 1995
Infoscience, HYDRA 2000 Proceedings of the XXVIth IAHR Congress, Vol. 1: 63-68.

Article
Experimental Investigation on Unidirectional Multiport Diffuser Discharges in Deep Coflow (MS Thesis)
Jan 1, 1992
(Ithaca, N.Y., U.S.A.: Cornell University)

Education

Universidade de São Paolo (Brazil), PhD (Environmental Engineering Sciences), 2000
Cornell University (USA), MSc (Civil & Environmental Engineering), 1992
Universidad Católica Andrés Bello (Venezuela), DCE, 1986

Teaching Engagements

Maria was a professor at the Universidad Católica Andrés Bello in Venezuela, where she taught Sanitary Engineering (involving water quality and water treatment) as well as a graduate course on groundwater (hydrogeology).

Professional Affiliations

Canadian Green Building Council (LEED AP)

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