



UNIVERSITY
OF MANITOBA

ENVR 2010

Potable Water and Groundwater Sampling Workshop

AGENDA

Instructed by Raven Sharma BSc., GSc., B.A.

Thursday, May 23, 2024 - Room #222 Education Building
71 Curry Place, University of Manitoba (Fort Garry campus)

	IN CLASS PORTION
8:00 - 8:15	Registration, Coffee and Welcome
8:15 - 9:15	Introduction, typical impacts, sources and movement of impacts focusing on LNAPL and DNAPL considerations, regulatory review (GCDWQ, CCME, MOECC, City of Winnipeg)
9:15 - 9:45	Groundwater well construction and installation considerations, equipment for development, purging and sampling. Anatomy of a well and hydrological cycle
9:45 - 10:00	Groundwater well development, purging and sampling protocols for low and high yield wells
10:00 - 10:15	Break
10:15 - 11:00	Groundwater well development, purging and sampling protocols for low and high yield wells continued
11:00 - 11:20	Low flow sampling demonstration video
11:20 - 11:40	Calculation example and In-class assignment (calculator required)
11:40 - 12:00	Potable water sampling
12:00 - 1:00	Lunch
1:00 - 1:20	Wastewater sampling
1:20 - 1:40	Preventing the problem and a brief look at solutions
1:40 - 2:00	Class activity: Collection of potable water samples
2:00 - 2:15	Break
	FIELD PORTION - Innovation Park - Drill Rig & Monitoring Well
2:15 - 3:45	Field Portion: Groundwater well development, purging and sampling.
3:45 - 4:00	Evaluation of Course
4:00	Closing