



CWRA ACRH

Canadian
Water
Resources
Association

Association
Canadienne
des Ressources
Hydriques

CWRA LUNCHEON

Feb 24
2006

FEATURING GUEST SPEAKER:

Dwight Williamson, M.Sc. Director, Water Science and Management Branch, Manitoba Water Stewardship



February 24th, 2006

PROPOSED REGULATION DEFINING WATER QUALITY MANAGEMENT ZONES FOR NUTRIENTS UNDER THE WATER PROTECTION ACT

The first regulation to be proposed under The Water Protection Act will define land-based water quality management zones needed to protect water systems from excessive run-off of the plant nutrients, nitrogen and phosphorus.

When nitrogen and phosphorus are applied to land surfaces in greater amounts than can be used by growing plants, excess nutrients can leach into ground water or run-off into surface water with heavy rainfall, floods, and melting snow. Manitoba's landscape has been proposed to be separated into four zones with factors that can influence run-off or leaching of nutrients from land to water. Factors include climate, moisture limitations, land slope, topography, soil texture, permeability, salinity, stoniness, erosion potential, soil characteristics, and crop yield potential. Buffer areas adjacent to water have also been identified.

Water Quality Management Zones for Nutrients are intended to provide strong, scientific tools to prevent the over-application of nutrients contained in fertilizers, animal manure, and municipal wastewater sludge to lands. In combination with the many other initiatives underway, Water Quality Management Zones for Nutrients will ultimately protect our valuable water systems including those used as sources of drinking water.

This luncheon presentation is eligible for 1.0 credit hour of Association of Professional Engineers and Geoscientists of the Province of Manitoba (APEGM) professional development. The Manitoba Association of Landscape Architects (MALA) also considers this luncheon as a continuing education opportunity.

12:00 NOON

**HOLIDAY INN SOUTH
1330 PEMBINA HWY**

Speaker:

Dwight Williamson, M.Sc.
Director, Water Science and Management Branch
Manitoba Water Stewardship



TO REGISTER:

CONTACT:

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PLEASE CALL EARLY TO ENSURE YOUR SEAT.

COST:

\$15.00 CWRA Members (GST included)
\$17.00 Non-Members

Visit CWRA Online:

<http://www.cwra.org>

Registration Deadline: 12:00 Noon
Tuesday, February 21st, 2006

If after registering, you are unable to attend the luncheon, please cancel prior to registration deadline.

No shows may be charged for the cost of the luncheon.

**CWRA MANITOBA
BRANCH EXECUTIVE**

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