

# NUTRIENT MANAGEMENT REGULATION



## Golf Courses and Driving Ranges

*Preserving and protecting  
our province's water*

Other publications in the  
Nutrient Management  
Regulation series:

- Agriculture
- Municipalities
- Urban Areas/Rural Residential Areas/  
Cottages

Preserving and protecting our province's water is a high priority for the Manitoba government. That is why a new Nutrient Management Regulation has been passed under *The Water Protection Act*. This brochure provides information about the regulation and how it may affect golf courses and driving ranges. The Nutrient Management Regulation also applies equally to agriculture, municipalities, and urban and rural residential properties.

### The Nitrogen and Phosphorus Problem

Increased nitrogen and phosphorus in Manitoba's waterways is the single, largest water quality challenge in our province.

High levels of phosphorus and nitrogen increase production of algae and aquatic plants. This causes many serious problems, including:

- changes to aquatic life habitat
- reduced levels of oxygen
- increased clogging of fishers' commercial nets
- increased taste and odour problems in drinking water

In addition, some forms of algae can produce dangerous toxins.

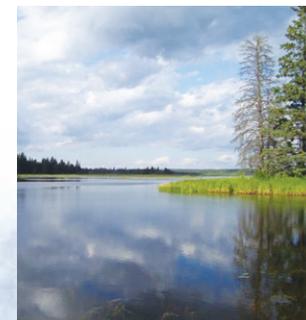
### Manitoba Takes Action

To help protect Lake Winnipeg, the Lake Winnipeg Stewardship Board was formed in 2003. The board's report *Reducing Nutrient Loading to Lake Winnipeg and its Watershed — Our Collective Responsibility and Commitment to Action* was released in February 2007. It provided 135 recommendations that will help reduce nutrients in Lake Winnipeg. This regulation will assist in implementing a number of these recommendations.

### Protecting Manitoba's Water

The Nutrient Management Regulation is one of numerous initiatives aimed at reducing nutrients in Manitoba waters. The purpose of the regulation is to protect water quality by:

- encouraging responsible nutrient management planning
- regulating the application of material containing nutrients
- restricting the development of certain types of facilities in environmentally sensitive areas



## Complying with the Regulation

Compliance with the regulation can be achieved by registering a Nutrient Management Plan with Manitoba Water Stewardship on an annual basis.

## Nutrient Management Plans

Nutrient Management Plan templates for golf course and driving ranges have been developed in consultation with the Manitoba Golf Superintendents Association.

The Nutrient Management Plan template for golf courses and driving ranges can be accessed at: [manitoba.ca/water/lakes-beaches-rivers/nutrient\\_management/index.html#2](http://manitoba.ca/water/lakes-beaches-rivers/nutrient_management/index.html#2)

## Nutrient Buffer Zones

Help protect Manitoba's vulnerable waters by not applying any type of fertilizer:

- within three metres of rivers, streams, creeks, wetlands and storm water retention ponds;
- within 15 metres from lakes, reservoirs, springs and wells;
- within 15 metres of vulnerable rivers such as the Assiniboine or Red Rivers; or
- within 30 metres of vulnerable lakes such as Lake Winnipeg or Killarney Lake.

## For More Information

The Nutrient Management Regulation can be found at: [manitoba.ca/water/lakes-beaches-rivers/nutrient\\_management/index.html](http://manitoba.ca/water/lakes-beaches-rivers/nutrient_management/index.html)

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