

This letter of advice is intended to help you complete Manitoba Hydro's **Winnipeg River System Application for Shore Lands Development**.

The information you provide allows Manitoba Hydro's Shore Lands staff to ensure your proposal complies with federal, provincial, and municipal laws and regulations, and that it follows Manitoba Hydro's Shore Lands Use Guidelines. If information is missing or incomplete, your application may be delayed, returned for more information, or denied.

There is no 'one size fits all' solution for rip-rap, as river conditions differ from area to area. In addition to the laws and regulations mentioned above, Manitoba Hydro considers impact to the environment, safety of people on or around the works, bank stability, and impact to neighbouring property owners, among other matters. Because of this, Shore Lands staff reserves the right to a final decision regarding any application for works to be placed on corporation property.

Rip-rap generally:

- has an average size of about 25 to 30 cm (8 to 12 inches);
- contains less than 5 per cent of rock fragments smaller than 7.5 cm (3 in.) by mass;
- consists of blasted granite rock, with a maximum size of 40 to 60 cm (16 to 24 in.);
- does not consist of long, flat or rounded stones, since they are not as effective at protecting against erosion.

Some rules to keep in mind:

- the rock must be placed in a single layer;
- there must be no temporary or permanent increase in existing footprint below the high water mark;
- there must be no new temporary or permanent fill placed below the high water mark;
- in-water work on the Winnipeg River can only be completed between July 1 and September 14;
- in-water work on the Whitemouth and its tributaries, the Bird River and its tributaries, and the Pinawa Channel can only be completed between July 16 and September 14;
- if vegetation is removed, it must be replanted.

Your application must include the following:

- complete drawings showing all existing structures, as well as the proposed rip-rap;
- cross-section and aerial views of the project, complete with dimensions (length, height, and width);
- a list of any vegetation to be removed (such as bushes or trees);
- a re-vegetation plan, if vegetation is to be removed;
- a detailed drawing showing excavation of the shore, if required;
- the type of rock to be used, indicating that it is to be placed in a single layer.

See reverse side for an example of a drawing to accompany your application. To meet municipal code, the entire structure must reside on Manitoba Hydro property or private property.

Example for illustration purposes only

