

All buildings, where water or sewage has entered, will require an electrical inspection of the affected area.



These procedures MUST BE FOLLOWED if the following equipment has been SUBMERGED.

1. **Prior** to re-energizing electrical service equipment, service enclosures and panelboards must be cleaned, dried and tested to ensure integrity of insulation (megger test).
2. Circuit breakers that have been submerged **MUST** be replaced with new breakers and the affected breakers must be destroyed. (Rule 2-102, The Winnipeg Electrical By-law)
3. Outlet boxes and light fixtures must be cleaned and dried.
4. Receptacles and switches must be replaced.
5. Appliances such as washers, dryers, freezers, etc. should be cleaned, dried and inspected prior to use, by qualified personnel who hold a Limited Appliance licence. They may need to be replaced.
6. Heating systems should be cleaned, dried and inspected prior to use by qualified personnel who hold a Gas or Oil Installers licence with an Electrical Endorsement, a journeyperson electrician, or Manitoba Hydro Natural Gas Equipment Inspection. Heating systems may need to be replaced.
7. There are no known studies of the effects to nonmetallic sheathed cable (NMD-90) or armoured cable (BX) after having been submerged by water and or sewage. The safest and recommended approach is to replace the cables. Older type cable known as NMD-7, should be replaced without question. NMD-7 has a braided outer jacket and a paper filler. It is made of organic material and thus is less resistant to water ingress and supports the growth of mould and bacteria.



Planning, Property
and Development
Department



*Procedures for
Electrical Inspections of*

Flooded Buildings

For more information on this brochure please
contact:

Plan Examination Branch
PH: 204-986-5268
FAX: 204-986-3045

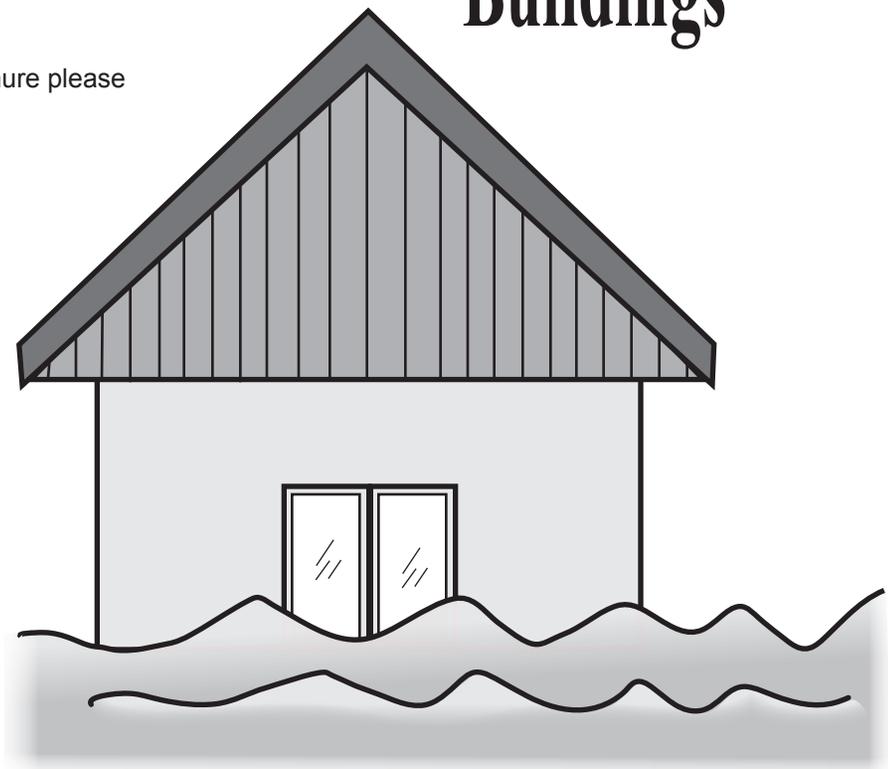
or



Winnipeg
at your service.

City of Winnipeg
Planning, Property and
Development Department
4th floor, 65 Garry Street
Winnipeg, Manitoba
R3C 4X7

www.winnipeg.ca/ppd



*Every effort has been made to ensure the
accuracy of information contained in this
brochure. However, in the event of a discrepancy
between this brochure and the governing
City of Winnipeg By-law, the By-law will take
precedence.*