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Requirements to Retain a Water Well in the City of Oronoco

City of Oronoco Ordinance

51.022 Unlawful to Construct Private Well

Within areas of the city that have reasonable access to the city's water system, it shall be unlawful to construct, reconstruct, or repair any private water system which is designed or intended to provide water for human consumption. Private wells located on property used to provide water for other than human consumption may be constructed, maintained, and continued in use after connection is made to the city's water system, provided that there is no means of cross-connection between the private well and city's water system at any time. Hose bibbs that will enable the cross-connection of the two systems are prohibited on internal piping of the well system supply. Where both private and the city's water system are in use, outside hose bibbs shall not be installed on both systems. Persons desiring to operate a private well under this section shall obtain a well maintenance permit through Olmsted County and pay any applicable fees for the permit.

Olmsted County Well Maintenance Permit Requirements

Based on Oronoco's Ordinance, an Olmsted County maintenance permit must be obtained to keep the well in use. To obtain a maintenance permit the well shall:

1. Not create cross-connection with the private well and public water system. Hose bibbs can only be in place on either the private well or public service connection, not both. (City Ordinance 51.022)
2. Meet all provisions of this ordinance concerning isolation distances to sources of contamination, and proper location. (Olmsted County Water Well and Water Supply Ordinance 3204.02 Sub 1)
3. Shall be constructed with a steel casing or approved plastic casing, which is intact, properly capped and extends a minimum of 12 inches above grade and 24 inches above regional flood. (Olmsted County Water Well and Water Supply Ordinance 3204.02 Sub 2)
4. The well's borehole or un-grouted annular space shall not interconnect two or more aquifers that have been identified by the Minnesota Geological Survey,

nor shall there be other interconnection of formations prohibited by this ordinance. (Olmsted County Water Well and Water Supply Ordinance 3204.02 Sub 3)

5. The property owner shall provide water analysis information, from a Minnesota Certified Lab, taken within six months of permit application, showing water quality in compliance with the MCLs and RALs. The information shall be limited to coliform bacteria and nitrate nitrogen, unless other contaminants are identified in the vicinity which may adversely affect the water quality of the well. (Olmsted County Water Well and Water Supply Ordinance 3204.02 Sub 4)
6. The well shall not be a drive point well. (Olmsted County Water Well and Water Supply Ordinance 3204.02 Sub 5)
7. If the well serves a residence which is located on property served by a public community water supply, then a maintenance permit shall be issued only if the well conforms to the provisions of Section 3205 of the Olmsted County Water Well and Water Supply Ordinance. The well shall not be cross connected with the public water supply. (Olmsted County Water Well and Water Supply Ordinance 3204.02 Sub 6)
8. An existing well which is constructed or reconstructed under permit process shall be analyzed for coliform bacteria and nitrate nitrogen. The concentrations shall not exceed the levels referenced in the MCLs and RALs. (Olmsted County Water Well and Water Supply Ordinance 3205.03 Sub 4) – MCLs and RALs are 10.0 MG/L Nitrate and No Coliform Bacteria Present

Well Maintenance Permit Fees

Water Supply Well (for a well not in use and/or required to be sealed by other factors including other jurisdictional requirements)	\$619 (permit valid for first 3 years)
Water Supply Well Renewal Fee	\$175 (annually after first 3 years)