



MEMORANDUM

To: Chairperson and Public Works Committee Members

Through: Carl S. Goldsmith, Director of Public Works

From: Brian M. Jack, Utilities Superintendent

Date: July 1, 2015

Subject: UPDATE of Ordinance § 51.25 - Restrictions on water use; meters and water saving plumbing fixtures

Background

The Village receives finished potable water from Lake Michigan via the City of Chicago and the DuPage Water Commission. The Illinois Department of Natural Resources (IDNR) regulates the amount of water each Lake Michigan user consumes based on an average daily flow as part of the Lake Michigan Water Allocation Program. This program was developed to manage Illinois' diversion of water from Lake Michigan in response to a 1967 Supreme Court Decree in order to protect Lake Michigan in regards to water quality and lake levels for ship navigation.

All water allocation permittees are required to perform annual water use audits and submit an annual water audit form (LMO-2) to the IDNR. The annual water audit details the amount of water used, sold, and lost (water main leakage, meter inaccuracies, or unaccounted for flows) by the permittee. The audit allows for a maximum of an 8% loss of water or unaccounted for flow as mandated by the IDNR. This percentage represents the water accounted for via residential, commercial, industrial, and municipal water meters (Village authorized consumption) to unaccounted for flows. Historically, the Village of Lombard has averaged a 6% water loss since 1992.

The Village is also required by the Lake Michigan Water Allocation Rules and Regulations Section 3730.307, to have a language in a Village Ordinance regarding water conservation practices. This section has been amended, became final and effective on November 28, 2104 to modify two provisions regarding water conservation. Thus, the Village of Lombard is now required to amend and update its ordinances. The following is the current ordinance language with the added required language to meet the new Lake Michigan Water Allocation Rules and Regultions. Paragraph (F) will be reviewed by the Board of Building Appeals.

§ 51.25 - Restrictions on water use; meters and water saving plumbing fixtures.

(A) No person shall use water from the water distribution system of the village on consecutive days nor for a six hour period in the middle of the day between 10:00 am and 4:00 pm when evapotranspiration is at its highest for the sprinkling, watering, or irrigation of shrubbery, trees, lawns, grass, ground cover, plants, vines, gardens, flowers, or other vegetation except that persons at odd-numbered street addresses may do so only on odd-numbered dates and persons at even-numbered street addresses may do so only on even-numbered dates and except that persons whose property has been newly sodded or newly seeded may use water from the water distribution system of the village on an unrestricted basis, subject to emergency regulations as defined in subsection (B) of this section, for watering that property for a 30 day period immediately following such sodding or seeding, after which time the restrictions of this section shall apply. All new/replacement irrigation sprinkler systems shall be equipped with a WaterSense labeled irrigation controller and shall be in compliance with Section 2.5(g) of the Illinois Plumbing License Law [225 ILCS 320].

(F) ~~The following~~ Water saving plumbing fixtures shall be required and labeled as a WaterSense product for new and replacement fixtures. Plumbing fixtures shall follow Village of Lombard Code ARTICLE VI. - ILLINOIS STATE PLUMBING CODE; § 150.050 - Adoption by reference; amendments. ~~In all new construction and in all repairs and replacement of fixtures or trim, only fixtures and trim not exceeding the following flow rates or water usage shall be installed (ratings are based on a pressure at the fixture of 40 to 50 pounds per square inch):~~

Water closets, tank type	3.5 gal. per flush
Water closets, flushometer type	3.0 gal. per flush
Urinals, tank type	3.0 gal. per flush
Urinals, flushometer type	3.0 gal. per flush
Shower heads	3.0 gal. per minute
Lavatory, sink faucets	3.0 gal. per minute

Paragraph (4) of Village Enclosed with this memo is the notification from the Illinois Department of Natural Resources stating the requirement and guidelines for this amendment to the Village of Lombard Ordinances.

Recommendation

Staff recommends that the Public Works Committee approves this amendment to Village of Lombard Ordinance: § 51.25 - Restrictions on water use; meters and water saving plumbing fixtures. Once approved, staff will present the proposed amendment to the Board of Trustees for adoption at their July 14, 2015 meeting.



Illinois Department of Natural Resources

One Natural Resources Way Springfield, Illinois 62702-1271
www.dnr.illinois.gov

Bruce Rauner, Governor

Wayne A. Rosenthal, Director

March 31, 2015

To: Lake Michigan Water Allocation Permittees

From: Daniel Injerd, Chief, Lake Michigan Management

Subject: Updating Local Ordinances to be Consistent with the New Water Allocation Rules

The amendments to the Lake Michigan Water Allocation Rules and Regulations became final and effective on November 18, 2014. They have been posted to our website: <http://www.dnr.illinois.gov/WaterResources/Pages/LakeMichiganWaterAllocation.aspx> and can be viewed or downloaded as a pdf file so that you can print a copy for your use.

Throughout the rather long and contemplative process to update the Department's administrative rules governing the Lake Michigan water allocation program, our goal has been to have these rules support our collective efforts to manage and conserve our Lake Michigan water resource.

The updated Lake Michigan Water Allocation Rules and Regulations made several changes to Section 3730.307 Conservation Practices and Other Permit Conditions. Section 3730.307(c) contains the list of conservation practices that domestic permittees must adopt in an ordinance/building code as evidence of compliance. The updated rules modified two provisions, subparts 4 and 8, that will require domestic permittees to update their ordinances/building codes to be consistent with the new language. These provisions read as follows:

- 4) The adoption of ordinances requiring that new and replacement plumbing fixtures be a labeled WaterSense product, as specified by USEPA.

- 8) The adoption of ordinances that restrict non-essential outside water uses to prevent excessive, wasteful use. These shall provide that unrestricted lawn sprinkling will not be allowed from May 15 through September 15 of each year by requiring, as a minimum, that lawn sprinkling shall not occur on consecutive days nor shall any lawn sprinkling occur during at least a 6 hour period in the middle of the day

(i.e., 10 a.m. through 4 p.m., noon to 6 p.m.) when evapotranspiration is at its highest. New lawns (less than 3 months old) may be exempted from this provision. In addition, new/replacement sprinkler systems shall be equipped with a WaterSense labeled irrigation controller and shall be in compliance with Section 2.5(g) of the Illinois Plumbing License Law [225 ILCS 320].

The new language in Subpart 4 replaces flow limits on specific plumbing fixtures. WaterSense labeled plumbing products are readily available at all hardware/plumbing supply outlets, and have become the accepted standard nationwide.

The new language of Subpart 8 provides additional guidance for permittees to include in a lawn sprinkling ordinance.

All Lake Michigan water allocation permittees that are units of local government will need to submit their revised ordinances to the Department to demonstrate compliance with these two revised subparts. Revised ordinances should be submitted to the Department by September 30, 2015. If you have any questions please feel free to contact Cara Adkins. Revised ordinances can be submitted either electronically or as hard copy to:

Ms. Cara Noel Adkins

Illinois Department of Natural Resources

160 N. LaSalle St., Suite S-703

Chicago, IL 60601

312|814.8579

Cara.N.Adkins@illinois.gov