

July 31, 2019

Lake County Public Works

Ordinance Update

OVERVIEW

A vertical splash of water, rendered in a light blue and white color scheme, runs down the center of the slide. The water is captured in mid-air, creating a dynamic, flowing shape with various droplets and splatters. The background is a gradient of light blue to white, with a dark blue circular arc on the right side.

➤ Background

➤ Ordinance Highlights

- Water Use Ordinance – Update
- Sewer Use Ordinance – Update
- Pretreatment Ordinance - *New*

BACKGROUND

A vertical splash of water, rendered in a light blue/white color, runs down the center of the slide. It has a dynamic, splashing appearance with various droplets and bubbles. The background is a gradient from white to a dark blue on the right side, with a large white circular shape on the right edge.

- **Consolidates several existing documents**
- **Codifies established practice and operation**
- **Incorporates new conditions and IEPA mandated programs**
- **Town Hall Meeting held and all public comments incorporated/resolved**

HIGHLIGHTS – WATER ORDINANCE

➤ Connection to the Water System

- Must connect to the system if:
 - a. New construction or change of use
 - b. Replacing or deepening existing private well
 - i. Within 300 ft (single family residential)
 - ii. Within 1000 ft (all other property)
 - c. Extend service along entire property frontage - *New*

➤ Use of the Water System

- Must install meter if:
 - a. New connection, change of use or property transfer - *New*
 - b. Owner pays for meter as part of permit fee

➤ Cross-connection control requirements incorporated

HIGHLIGHTS— WATER ORDINANCE

➤ Water Restriction & Conservation

- May 15 – Sept 15, prohibit outside use 10am – 6pm
- Alternating days for outside water use
- WaterSense fixtures in new construction - *New*
- Closed loop air conditioning in new construction & remodeling - *New*
- Water recycling systems required for new car wash facilities - *New*
- Emergency declaration of water shortage; prohibit outside use

➤ Administration

- Authority to inspect water meters and back flow preventer devices
- Authority to issue non-compliance fines
- Authority to shut off water service with proper notification

HIGHLIGHTS – SEWER ORDINANCE

➤ Connection to the Sewer System

- Must connect to the system if:
 - a. New construction or change of use
 - b. Repair or upgrade septic system
 - i. Within 300 ft (single family residential)
 - ii. Within 1000 ft (all other property)
 - c. Extend service along entire property frontage - *New*

➤ Prohibitive Discharge

- Enhanced list of prohibitive discharges including radium - *New*
 - a. Establishes combined radium discharge limit = 5.0 pCi/L
 - b. Typically from backwash from drinking water treatment systems
 - c. Will eliminate restriction on reuse of biosolids as fertilizer

HIGHLIGHTS – SEWER ORDINANCE

- **Infiltration and Inflow (Clear Water) Mitigation - *New***
 - **Prohibited connections:**
 - a. Downspouts
 - b. Sump pumps
 - c. Window wells
 - d. Footing/Foundation drains
 - e. Drain tiles

 - **Capacity, Management, Operations & Maintenance (CMOM) - *New***
 - a. Required for municipal collection systems tributary to County Water Reclamation Facilities
 - b. CMOM program to meet or exceed the County's program
 - c. Emphasizes infiltration & inflow control programs

➤ **Administration**

- Authority to inspect Grease Recovery System (GRS)
- Authority to issue non-compliance fines
- Authority to shut off water with proper notification

HIGHLIGHTS – PRETREATMENT **NEW**

➤ Purpose

- Protect the health and safety of the general public and environment
- Control industrial wastewater discharges into the Public Sewer
- Protect the treatment processes and equipment at LCPW Water Reclamation Facilities (WRFs)
- Protect the health and safety of Lake County collection system field crew & WRF personnel
- Prevent non-compliance with Illinois EPA issued NPDES permits

HIGHLIGHTS – PRETREATMENT **NEW**

➤ **Applicability**

- **Commercial & Industrial Users**
 - a. Residential property by exception when used for commercial purpose

- **Any source tributary to LCPW Water Reclamation Facilities**
 - a. Includes discharges to municipal collection systems treated at LCPW Facilities
 - b. Local municipalities with approved pretreatment programs will be the control authority until Lake County Pretreatment Program is approved by USEPA
 - c. Does NOT apply to discharges to LCPW owned collection systems that are treated by Northwest Regional Water Reclamation Facility or North Shore Sanitary District
 - a. NWRWRF and NSSD currently have approved pretreatment programs and jurisdiction

HIGHLIGHTS – PRETREATMENT **NEW**

➤ Standards

- Establishes prohibited discharge and pollutant limits consistent with LCPW Water Reclamation Facility permit requirements
- Establishes sampling & reporting requirements
- Compliance schedule:
 - a. New sources – effective date of Ordinance
 - b. Existing sources – 2 years of effective date

➤ Surcharge Program

- Allows County to recover treatment costs from IUs that exceed maximum limits for treatable pollutants (i.e. COD)

➤ Administration

- Authority to inspect industrial pretreatment facilities and set up equipment for sampling, monitoring and metering
- Authority to require industrial user to install control manhole
- Authority to issue cease and desist orders
- Authority to apply non compliance fines

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