



# **City of Grand Island**

**Tuesday, January 12, 2021**

**Council Session**

## **Item F-1**

**#9813 - Consideration of Amendments to Chapter 30 of the Grand Island City Code Relative to Sewers and Sewage Disposal**

**Staff Contact: John Collins, P.E. - Public Works Director**

# **Council Agenda Memo**

**From:** Jon Menough PE, Wastewater Plant Engineer

**Meeting:** January 12, 2021

**Subject:** Consideration of Amendments to Chapter 30 of the Grand Island City Code Relative to Sewers and Sewage Disposal

**Presenter(s):** John Collins PE, Public Works Director

## **Background**

Proposed revisions to Chapter 30 of the City Code have been drafted for City Council consideration. The applicable section of the existing city code with markups is shown in this memo. A clean version of the proposed city code is attached as an ordinance.

## **Discussion**

The previous revision of Chapter 30 was approved via Ordinance No. 9763 dated January 28, 2020, and due to the need to regulate hot water discharges from users of the system further updates are necessary. While collection pipes within the system can handle the higher temperature, this revision to Chapter 30 will limit discharge of any liquid or vapor entering sensitive components and pumps within the wastewater system from exceeding 40° Celsius (104° Fahrenheit). This will protect the integrity of the wastewater collection system in the City.

## **Alternatives**

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

1. Move to approve
2. Refer the issue to a Committee
3. Postpone the issue to future date
4. Take no action on the issue

## **Recommendation**

City Administration recommends that the Council approve the changes to Chapter 30 of the City Code.

### **Sample Motion**

Move to approve the ordinance revising a code section in Chapter 30 of the Grand Island City Code.

ORDINANCE NO. 9813

An ordinance to amend Chapter 30 of the Grand Island City Code; to amend Section 30-48 Other Prohibited Discharges as now existing, and any ordinance or parts of ordinances in conflict herewith; and to provide for publication and the effective date of this ordinance.

BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA:

SECTION 1. Section 30 of the Grand Island City Code is hereby amended to read as follows:

**§30-48. Other Prohibited Discharges**

No person shall discharge, or cause to be discharged to, any sanitary sewer, any of the following described as substances, water, or wastes unless authorized by the Public Works Director:

(1) Any liquid or vapor having a temperature higher than 65 degrees Celsius (150 degrees Fahrenheit); **or which cause the wastewater entering the wastewater treatment facilities; (Lift Stations, Pump Stations, Force Mains, etc.) to exceed 40° Celsius (104° Fahrenheit).**

(2) Wastes containing oil or grease of petroleum origin shall be prohibited.

(3) Any gasoline, benzene, naphtha, fuel oil, mineral spirits, commercial solvent, motor oil, or other flammable or explosive liquid, solid or gas, or any other petroleum derivative.

(4) Any water or wastes containing dissolved gases (such as hydrogen sulfide, sulfur dioxide, nitrogen oxides, and ammonia) in concentrations sufficient to cause poisonous or toxic fumes or waste-water, or a malodorous or harmful condition.

(5) Any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, asphaltic materials, cement or concrete, paunch manure, hair and fleshings, entrails, lime slurry, lime residues, beer or distillery spent grains, chemical residues, paint residues, cannery waste, bulk solids, or any other solid or viscous substances, in amounts capable of causing obstructions to flow in sewers or interference with the proper operation of the wastewater treatment works.

(6) Any waters or wastes having a pH lower than 6.0 or higher than 9 at any time, or having any other corrosive property capable of causing damage or being a hazard to structures, equipment and personnel of the wastewater treatment works.

(7) Any waters or wastes containing pollutants in the form of compounds or elements, in solution or suspension, in concentrations exceeding the following:

<b>Pollutant</b>	<b>Maximum Concentration in mg/L</b>
Arsenic (AS).....	0.050
Barium (BA).....	1.000
Cadmium (Cd).....	0.100
Chromium (Cr) (Total).....	3.000
Copper (Cu).....	1.000
Cyanides (CN).....	2.000
Lead (Pb).....	0.100

Approved as to Form	□ _____
January 8, 2021	□ City Attorney

ORDINANCE NO. 9813 (Cont.)

Manganese (Mn).....	1.000
Mercury (Hg).....	0.005
Nickel (Ni).....	1.000
Selenium (Se).....	0.030
Silver (Ag).....	0.100

The maximum concentrations shown for the above metals may be used as a guide in design and plant control, but may be altered by the director in the event of accumulative overload on the water pollution control plant.

(8) Any waters or wastes containing heavy metals and toxic materials in concentrations prohibited by state or federal rules, including but not limited to:

Antimony	Strontium
Beryllium	Tellurium
Bismuth	Fungicides
Boron	Herbicides
Cobalt	Pesticides
Molybdenum	Uranyl ion
Rhenium	

Unless the permit required for discharge of industrial wastes specifies conditions of pretreatment, concentrations, and volumes.

(9) Any noxious or malodorous gas or substance, capable of creating a public nuisance or hazard to life or preventing entry into sewers for their inspection, maintenance, and repair.

(10) Any waters containing quantities of radium, naturally occurring, or artificially produced radioisotopes in excess of presently existing or subsequently accepted limits for drinking water as established by the national committee on radiation protection and measuring.

(11) Any concentrated dye wastes, spent tanning solutions, or other wastes which are highly colored, or wastes which are of unusual volume, concentration of solids, or composition that may create obstruction to the flow in sewers or interference with the wastewater treatment processes without proper pretreatment and written approval of the director.

(12) Waters or wastes containing substances which are not amenable to treatment or reduction by the wastewater treatment processes employed, or are amenable to treatment only to the degree that the wastewater treatment plant effluent cannot meet the requirements of the NPDES permit.

(13) Any water or wastes containing more than 2,000 mg/L total solids, maximum of 100,000 gallons.

(14) Any water or wastes containing more than 230 mg/L chlorides monthly average concentration, 380 mg/L chlorides daily maximum concentration (November 1 – February 28 (29), 389 mg/L chlorides daily maximum concentration (June 1 – October 31) and 390 mg/L daily maximum concentration (March 1 – May 31).

(15) Any water or wastes containing Conductivity greater than 2,000 umhos/cm monthly average (April 1 – September 30)

(16) Wastes at a flow rate and/or pollutant discharge rate which is excessive over short periods of time so that there is a treatment process overload and subsequent loss of treatment efficiency.

SECTION 2. Section 30 is now existing, and any ordinances or parts of ordinances in conflict herewith be, and hereby are, repealed.

ORDINANCE NO. 9813 (Cont.)

SECTION 3. This ordinance shall be in force and take effect from and after its passage and publication, within fifteen days in one issue of the Grand Island Independent as provided by law.

Enacted: January 12, 2021.

---

Roger G. Steele, Mayor

Attest:

---

RaNae Edwards, City Clerk