File #: Ordinance 11-2019, **Version:** 3

Agenda Date: 07/16/2019

Subject:
Ordinance 11-2019: Second introduction of an ordinance amending the Wastewater Utility ordinance regarding the Industrial Pretreatment Program

Prepared by: Keith Reester, Public Works Director

POLICY QUESTION:
Does city council support approval of Local Limits standards for the South Platte Water Renewal Partners (SPWRP)?

BACKGROUND:
Ordinance 11-2019 has been updated from first reading to second reading. The changes were requested by South Platte Water Renewal Partners staff.

The Littleton-Englewood Wastewater Treatment Plant, operated by SPWRP, is required to comply with a variety of state and federal regulations. Local Limits are wastewater limitations on pollutants like metals and solvents that apply to commercial and industrial facilities. Local Limits put controls on the discharge of toxic pollutants into the treatment system. The Environmental Protection Agency (EPA) requires wastewater plants to set new Local Limits each time they receive a discharge permit.

The purpose of setting these limits is to:

- Protect the facility against contaminants passing through or interfering with the treatment capabilities of the system
- Protect receiving water quality
- Protect worker health and safety
- Improve opportunities for beneficial reuse of residuals

The update represents more than five years of work and data collection to develop standards that comply with EPA requirements and provide SPWRP the most flexibility in application to meet local needs under federal guidelines.

PREVIOUS ACTIONS OR DISCUSSIONS:
Previous city councils have approved Local Limits technical evaluations for prior discharge permits.

There has been no previous city council action on this SPWRP Local Limits technical evaluation for the new discharge permit, Permit Number CO0032999, which was issued to the SPWRP effective December 1, 2017.

The ordinance was approved on first reading at the regular City Council meeting of March 19, 2019.

On May 7, 2019 the ordinance was tabled to a date certain, May 21, 2019.

STAFF ANALYSIS:

1. A comparison of past and proposed Local Limits is included in the table below:

Calculated Local Limits Versus Previously Established Limits

	2009 Calculated Uniform Loca Limits (mg/L)	2018 Calculated Uniform Loca Limits (mg/L)
Arsenic	0.55	0.014
Benzene	0.050	0.14
BTEX	0.750	0.750
Cadmium	0.30	0.22
Chromium	2.90	5.37
Copper, Total	3.94	3.42
Cyanide	N/A	0.31
Hexavalent Chromium	0.86	1.97
Lead	0.51	2.90
Mercury	0.005	0.001
Molybdenum	2.82	5.69
Nickel	2.66	3.76
Selenium	0.054	0.24
Silver	0.112	0.68
Zinc	8.8	34.35

Limit concentrations are determined by considering what comes into the plant, how much the plant can handle, and what the limits are on the South Platte River. Limits will fluctuate between permits based on changes in permit limits, stream standards, plant capabilities and what industries are in the service area.

After first reading of the ordinace, a 30-day public notice period will be conducted by the EPA. At the conclusion of this period, the second reading, tentatively scheduled for May 2019, would progress with subsequent incorporation into each city's municipal code.

OPTIONS/ALTERNATIVES:

- Approve the new Local Limits standards

- Do not approve the new Local Limits standards and fall out of compliance with EPA required regulations for wastewater treatment plant discharge permits.

FISCAL IMPACTS:

The changes in the Local Limits present no additional operational or compliance costs as all components of the

work are already being performed as part of the plant's standard workload.

STAFF RECOMMENDATION:
The SPWRP staff and Supervisory Committee recommend city council approve, by ordinance, the SPWRP Industrial Pretreatment Local Limits technical evaluation as drafted and preliminarily approved by the EPA.

This item was approved by the Supervisory Committee on February 28, 2019.

PROPOSED MOTION:
I move to approve the ordinance on second reading amending the Wastewater Utility ordinance regarding the Industrial Pretreatment Program.