

# Memorandum

**To:** Mayor & Common Council  
**CC:** Dirk Jablonski, Joel Landeen  
**From:** Dave VanCleave  
**Date:** 4 November 2005  
**Re:** Local limits ordinance change



Dear Mayor and Council,

The City's Industrial pretreatment program is required periodically to reevaluate the wastewater pollutant loadings and local limits. This is in accordance with National Industrial Waste Pretreatment Program regulations 40 CFR part 403. Due to the completion of the Water Reclamation Facility expansion and retrofit, a reevaluation was required.

A review of the wastewater pollutant characteristics indicates that two minor changes to the City's local industrial discharge limits are required. There are two metals of concern. The first is for Mercury which we are recommending change from a limit of <0.0002 ppm to 0.0002. (This is actually an increase from a non-detectable limit to a detectable limit.) The other change is for selenium, which will decrease from 0.095 to 0.092 ppm. (Selenium in these amounts has not been detected in local industrial discharges.)

A review of past industrial discharges indicates that these changes will result in no adverse impact to local industries.

Sincerely

  
Dave Van Cleave  
Superintendent

## ORDINANCE # 5113

### AN ORDINANCE MODIFYING WASTEWATER POLLUTANT LOCAL LIMITS BY AMENDING SECTION 13.08.240 OF THE RAPID CITY MUNICIPAL CODE

WHEREAS, the City of Rapid City has established local limits for the amount of certain chemicals that may be discharged into Rapid Creek pursuant to the National Industrial Waste Pretreatment Program; and

WHEREAS, pursuant to this program the City must periodically reevaluate the wastewater pollutant loadings and the local limits that have been previously established; and

WHEREAS, based on this reevaluation staff is recommending that modifications be made to several of the previously established limits; and

WHEREAS, these modifications are based on the capability of the City's water reclamation plant to process these substances; and

WHEREAS, it does not appear that the changes made in the local limits will have an adverse impact on local industry; and

WHEREAS, the Common Council of the City of Rapid City agrees with the staff's recommendation and deems that it is in the City's best interests to modify the limits as requested.

NOW THEREFORE, BE IT ORDAINED by the City of Rapid City that Section 13.08.240 of the Rapid City Municipal Code is hereby amended to read as follows:

#### **13.08.240 Materials prohibited in sewers.**

A. No person shall discharge or cause to be discharged any wastewaters to the wastewater system not in conformance with the national prohibited discharge standards, which may cause interference with the operation or performance of the wastewater facilities, or which may pass through the wastewater facilities. Wastewaters prohibited from discharge to the wastewater system under this section shall include those wastewaters:

1. Containing pollutants which create a fire or explosion hazard in the wastewater facilities including, but not limited to, wastestreams with a closed-cup flashpoint of less than one hundred forty degrees Fahrenheit (sixty degrees Celsius) or any pollutant that may create a health or safety hazard in the wastewater system;
2. That are corrosive or that have a pH lower than five;
3. Containing solid or viscous pollutants in amounts that will obstruct the flow in the wastewater system;
4. Containing materials that could potentially interfere with the operation of the wastewater treatment facilities;

5. With temperatures above one hundred fifty degrees Fahrenheit (sixty-five degrees Celsius) or which cause the wastewater entering the wastewater treatment facilities to exceed one hundred four degrees Fahrenheit (forty degrees Celsius);
6. Containing radioactive wastes or isotopes in concentrations that exceed limits established by state and federal regulations;
7. Containing petroleum oil, nonbiodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass-through;
8. Containing pollutants which result in the presence of toxic gases, vapors or fumes within the wastewater facilities that may cause acute worker health and safety problems;
9. Containing any trucked or hauled pollutants, except at discharge points designated by the public works director or his designee.

B. Unless specific limits have been established through the application of categorical pretreatment standards or categorical pretreatment standards modified by the combined wastestream formula, no person shall discharge or cause to be discharged any wastewaters containing the following chemicals with a daily maximum in excess of the local limits stated:

<b>Pollutant</b>	<b>Concentration</b>
	<b>Mg/L.</b>
Arsenic (As)	0.047
Cadmium (Cd)	0.0310
Chromium (Hexavalent)	0.054
Total Chromium	0.487
Copper (Cu)	0.718
Lead (Pb)	0.346
Mercury (Hg)	<del>&lt;0.0002</del> <u>0.0002</u>
Nickel (Ni)	0.510
Oil and grease (O&G)	105
Selenium (Se)	<del>0.095</del> <u>0.092</u>
Silver (Ag)	1.2660
Zinc (Zn)	5.307

C. These local limits do not apply to specific chemical constituents contained in an industrial user's wastewaters when limits for the chemical constituent are set by categorical pretreatment standards. Categorical industrial users shall meet the more stringent of the local limits, applicable categorical standards, or, for a combined wastestream, the limits calculated in a manner prescribed by EPA.