



City of Yuma

Legislation Text

File #: O2024-012, Version: 1

DEPARTMENT:	STRATEGIC OUTCOMES	ACTION
Utilities	<input checked="" type="checkbox"/> Safe & Prosperous	<input type="checkbox"/> Motion
	<input type="checkbox"/> Active & Appealing	<input type="checkbox"/> Resolution
	<input type="checkbox"/> Respected & Responsible	<input type="checkbox"/> Ordinance - Introduction
DIVISION:	<input type="checkbox"/> Connected & Engaged	<input checked="" type="checkbox"/> Ordinance - Adoption
Administration	<input type="checkbox"/> Unique & Creative	<input type="checkbox"/> Public Hearing

TITLE:

Wastewater Discharge Local Limits Update

SUMMARY RECOMMENDATION:

Pursuant to the Environmental Protection Agency (EPA) Pretreatment Regulations 40 Code of Federal Regulations (CFR) 403, amend City Code § 191-02 General Sewer Use Requirements, to update the existing wastewater Local Limits in accordance with the findings of the Local Limits Figueroa Avenue Water Pollution Control Facility (WPCF) Report. (Utilities/ Administration) (Jeremy McCall)

STRATEGIC OUTCOME:

This action item supports the City Council strategic outcome of Safe and Prosperous by ensuring the future reliability and protection of the City's wastewater systems.

REPORT:

The City of Yuma is required, by Federal and State environmental standards, to maintain an ordinance which regulates the discharge of non-domestic waste into the City's wastewater collection system. City Code § 191-02 General Sewer Use Requirements, Subsection D Local Limits, contains site specific, technically-based local wastewater discharge limitations. The City is required to review and update these limitations as necessary. The existing wastewater Local Limits were last updated in 2010 (Ordinance O2010-19) and need to be modified to reflect new State and Federal requirements, wastewater treatment plant changes, and local wastewater discharge permit requirements.

EPA Pretreatment Regulations, 40 CFR Part 403, requires that the City periodically analyze the wastewater systems Local Limits. Under these requirements, the City must review the adequacy of existing discharge limits and establish standards to prevent detrimental pollutants from entering the treatment system that would interfere with the operation of the treatment plant, degrade the quality of biosolids, or pass untreated through the treatment plant to the Colorado River.

Key factors for determining revisions of the current Local Limits were:

1. The City of Yuma received a new Arizona Pollution Discharge Elimination System (AZPDES) Permit. The Arizona Department of Environmental Quality (ADEQ) issued a new AZPDES permit on August 15, 2023, which differs from the previous discharge permits. The new 2023 permit included new effluent limitations for discharges to the Colorado River.

2. There have been changes in the number and types of Industrial Users within the Figueroa Avenue Water Pollution Control Facility (WPCF) service area since the previous 2007 Local Limit Study.

The *Figueroa Avenue WPCF Local Limits Report* was developed by following EPA Local Limit Development Guidance documents to protect the City's treatment plants, wastewater collection system, and treatment personnel from dangerous discharges.

Specific milestones of the Local Limit Study and its implementation are as follows:

April 6, 2023, the City of Yuma completed the preliminary *Figueroa Avenue WPCF Local Limits Draft Report*.

November 2, 2023, the City of Yuma provided ADEQ the *Figueroa Avenue WPCF Local Limits Draft Report*, and the suggested modifications to the City of Yuma Local Limits.

February 1, 2024, ADEQ approved the modifications to the proposed wastewater Local Limits. ADEQ provided their approval to continue with adoption, noting "At this time, the City may implement the modification to its Local Limits." Per ADEQ Rule the proposed Local Limits are considered a Minor Modification to the City of Yuma Approved Pretreatment Program.

February 2024, the City of Yuma notified all affected facilities and Industrial Users of the proposed revisions to the Local Limits, and that the City was seeking comments from users, and industrial facilities. Yuma Cogen was the only user to respond, and their comments were addressed.

March 4, 2024, the City of Yuma, Water and Sewer Commission was presented the findings of the *Figueroa Avenue WPCF Local Limits Report*. All permitted Industrial Users were invited to attend this public meeting, though no users attended. The Water and Sewer Commission endorsed the *Figueroa Avenue WPCF Local Limits Report* and supported the proposed changes to the City of Yuma Local Limits (vote of 5 - 0 in favor).

The proposed changes to the Local Limits are outlined in the table below. Note that only Nitrogen (Total) and Zinc are to be modified, and that these changes will not affect any of the City's local wastewater dischargers.

Additionally, the proposed ordinance ratifies the existing codification of Yuma City Code Chapter 191 (which differs from the adopting ordinance in formatting, numbering and lettering).

Parameter	Current Local Limit	Proposed Local Limit
Ammonia	260 mg/L	260 mg/L
Arsenic	0.070 mg/L	0.070 mg/L
Boron	2.5 mg/L	2.5 mg/L
Cadmium	0.072 mg/L	0.072 mg/L
Chromium (Total)	4.9 mg/L	4.9 mg/L
Copper	1.9 mg/L	1.9 mg/L
Cyanide	0.13 mg/L	0.13 mg/L
Dissolved Sulfide	0.5 mg/L	0.5 mg/L
Total Petroleum Hydrocarbons	100 mg/L	100 mg/L
FOG, Polar	(See note 1) (See note 2)	(See note 1) (See note 2)
FOG, Total	(See note 1) (See note 2)	(See note 1) (See note 2)

Lead	0.52 mg/L	0.52 mg/L
Mercury	0.0002 mg/L	0.0002 mg/L
Molybdenum	0.20 mg/L	0.20 mg/L
Nickel	0.82 mg/L	0.82 mg/L
Nitrogen (Total)	150 mg/L	95 mg/L
pH	5 - 11.5 S.U.	5 - 11.5 S.U.
Silver	2.9 mg/L	2.9 mg/L
Selenium	0.020/0.011 mg/L (See note 3)	0.020/0.011 mg/L (See note 3)
Thallium	0.027 mg/L	0.027 mg/L
Biochemical Oxygen Demand (BOD)	Note 4	Note 4
Total Suspended Solids (TSS)	Note 4	Note 4
Total Dissolved Solids (TDS)	Note 4	Note 4
Zinc	1.8 mg/L	1.25 mg/L

Note 1: Discharges of oil and grease shall not result in accumulations which either alone, or in combination with other wastes, are capable of obstructing flow or that interfere with the operations or performance of the waste collection system or the treatment facilities.

Note 2: Dischargers of polar FOG shall minimize free floating polar FOG. Discharge of polar FOG in quantities that cause or contribute to obstructions is strictly prohibited. Dischargers of free floating polar FOG shall be required to install pretreatment devices such as grease removal equipment sized according to City standards and in accordance with best management practices.

Note 3: Industry specific selenium local limit of 0.020 mg/L to identified selenium discharging significant users (SIU). To counterbalance the higher selenium limit for these discharges a lower limit of 0.011 mg/L is required.

Note 4: The discharge of wastewater shall not cause the inhibition of wastewater treatment or violation of permit requirements.

FISCAL REQUIREMENTS:

CITY FUNDS:	\$ 0.00	BUDGETED:	\$ 0.00
STATE FUNDS:	\$ 0.00	AVAILABLE TO TRANSFER:	\$ 0.00
FEDERAL FUNDS:	\$ 0.00	IN CONTINGENCY:	\$ 0.00
OTHER SOURCES:	\$ 0.00	FUNDING: ACCOUNT/FUND #/CIP	

TOTAL \$ 0.00

-		
To total; right click number & choose "Update Field"		

FISCAL IMPACT STATEMENT:

NONE

ADDITIONAL INFORMATION:

SUPPORTING DOCUMENTS NOT ATTACHED TO THE CITY COUNCIL ACTION FORM THAT ARE ON FILE IN THE

OFFICE OF THE CITY CLERK:

NONE

IF CITY COUNCIL ACTION INCLUDES A CONTRACT, LEASE OR AGREEMENT, WHO WILL BE RESPONSIBLE FOR ROUTING THE DOCUMENT FOR SIGNATURE AFTER CITY COUNCIL APPROVAL?

- ☐ Department
- ☐ City Clerk's Office
- ☐ Document to be recorded
- ☒ Document to be codified

Acting City Administrator: John D. Simonton	Date: 03/25/2024
Reviewed by City Attorney: Richard W. Files	Date: 03/23/2024