



City of Jackson

TO: Mayor and Board of Aldermen

FROM: Jeff Winders, City Engineer

DATE: February 11, 2026

RE: NPDES Local Limits – Technical Evaluation and Review

The Missouri Department of Natural Resources issued the City of Jackson a new National Pollution Discharge Elimination System (NPDES) permit on September 1, 2025. When these permits are re-issued, the permittee has 180 days to evaluate the new permit and the influent entering the wastewater treatment plant and propose any changes if necessary to the city code to ensure the Cities treatment works are discharging in compliance with the permitted limits. We have worked with DROP Collaborative to evaluate the new limits and look at the influent at the plant as well as our industrial loading.

The current NPDES permit has seasonal limits for ammonia instead of just a limit and adds a limit for nickel. After looking at our permit, where permits are trending, and our industrial loading. Drop has made the following recommendations to our local limits for our industrial pretreatment program.

Total Mass Allowable (lbs) from SIU's

Pollutant of Concern	Limit Type	Allowable Loading (lbs/day)
Cyanide	Max Daily	0.113
Copper	Max Daily	0.533
Nickel	Max Daily	0.536
Zinc	Max Daily	6.82
BOD	Max Daily	30.8
TSS	Max Daily	36.2
TKN	Max Daily	5.6

At this time, we do not anticipate this being a problem for our industries to meet. The new study proposed limits reduces the number of regulated pollutants of concern from 14 to 7. Several of these were previously noted as in our waste stream but further investigation has revealed many are in our background naturally occurring in our water and not contributed by any industrial sources.

Once the Board has agreed to the study recommendations, we will submit the recommendations to the MoDNR for approval. These changes will also be published and we will have a period of public comment. After the public comment period and we have addressed any DNR comments, we will bring the final changes to City Code 41-702 (c) to the Board for final approval.