



PROPOSED CITY LOCAL LIMITS

PROPOSED WASTEWATER LOCAL LIMITS



- REQUESTING TO ADOPT UPDATED LOCAL LIMITS BY CITY ORDINANCE
- CITY OF ROCHELLE WATER RECLAMATION FACILITY
- ACCOMPLISHED IN COORDINATION WITH BAXTER & WOODMAN
- LABORATORIES UTILIZED: CITY WASTEWATER LAB & PACE ANALYTICAL LAB



WHAT IS THE PURPOSE OF CITY LOCAL LIMITS?

- CONTROL INDUSTRIAL DISCHARGES
- MAINTAIN NPDES COMPLIANCE & LAND APPLICATION COMPLIANCE
- REQUIRED BY EPA & IEPA
- PROTECT WASTEWATER TREATMENT PLANT, INFRASTRUCTURE, RIVER, AND BIOSOLIDS



PROPOSED LOCAL LIMITS

Pollutant (mg/L)	Current City Local Limit (mg/L)	Proposed City Local Limit (mg/L)	Proposed City Surcharge Limit (mg/L)
Ammonia Nitrogen	35.0	REMOVE	15
Arsenic	0.25	1.3	-
Barium	2.0	REMOVE	-
BOD	250.0	REMOVE	250
Cadmium	0.5	0.6	-
Chloride	-	-	-
Chromium (Total)	1.0	REMOVE	-
Copper	1.0	0.5	-
Cyanide	0.025	0.7	-
Fluoride	2.5	REMOVE	-
Iron (Total)	4.0	REMOVE	-
Lead	0.30	REMOVE	-
Manganese	1.0	REMOVE	-
Mercury	0.0005	0.0005	-
Molybdenum	-	-	-
Nickel	1.0	0.6	-
Non-Polar Fats	125	125	-
Polar Oils	20	20	-
Phenols	0.5	REMOVE	-
Phosphorus	10.0	10	-
Selenium	1.0	REMOVE	-
Silver	0.1	0.9	-
Sulfate	-	-	-
TSS	300.0	REMOVE	300
Zinc	2.0	2.5	-



WHY UPDATE NOW?

- PREVIOUS EVALUATION OUTDATED
 - HAVEN'T BEEN UPDATED SINCE EARLY 1990'S
 - EPA GUIDELINES HAVE CHANGED
 - WWTP HAS CHANGED
 - INDUSTRIAL LOADINGS HAVE CHANGED



HOW THE LIMITS WERE DEVELOPED

- 2024–2025 EVALUATION (ANALYSIS AND CALCULATIONS)
 - TESTING WWTP, RESIDENTIAL, KYTE RIVER, AND INDUSTRIAL SOURCES
 - ANALYSIS OF FLOW, CONCENTRATIONS, REMOVAL EFFICIENCY, AND MUCH MORE.
- REVIEW HISTORICAL DATA.
- REVIEW CURRENT DATA.
- CALCULATE WHAT THE TREATMENT PLANT CAN HANDLE.



HOW OFTEN DO THEY NEED TO BE UPDATED?

- IDEALLY PERFORMED EVERY NPDES PERMIT CYCLE OR EVERY 5 YEARS.
- ESTABLISHES ACCURATE WASTEWATER LIMITS
- MAINTAINS COMPLIANCE
- COMPLETION TAKES 1-2 YEARS



WHO IS AFFECTED?

- INDUSTRIAL USERS
 - MOST INDUSTRIES ARE ALREADY COMPLIANT
 - UNDERGO SEMI-ANNUAL TESTING AND RANDOMIZED FIELD TESTING
- WASTE HAULERS AND GENERATORS
- RESIDENTIAL USERS ARE NOT AFFECTED



BENEFITS TO THE CITY

- REDUCED RISK OF CHALLENGES TO CURRENT LOCAL LIMITS
- CLEAR LIMITS FOR ALL INDUSTRIES
- DECREASED DEMANDS ON INDUSTRIES LEAD TO INCREASED COMPLIANCE
- **NO RATE IMPACTS**



SUMMARY OF CHANGES

- CHANGE/REMOVAL OF SEVERAL LIMITS
- DECREASED COSTS TO INDUSTRIES
- INCREASED COMPLIANCE
- LEGALLY DEFENSIBLE AND DATA DRIVEN LIMITS





QUESTIONS?



THANK YOU FOR LISTENING!

888 TREATMENT PLANT DRIVE
ROCHELLE, IL 61068
PHONE: (815) 561-2067

ADAM LANNING: ALANNING@RMU.NET

