

ORDINANCE NO. 169-17

AN ORDINANCE OF THE CITY OF UNION CITY
AMENDING ORDINANCE NO. 147-15, AMENDED SEWER USE
REGULATIONS OF THE UNION CITY PUBLIC WORKS DEPARTMENT
OF THE CITY OF UNION CITY, TENNESSEE

BE IT ORDAINED BY THE MAYOR AND CITY COUNCIL OF THE CITY OF UNION
CITY, TENNESSEE, THAT:

Ordinance No. 147-15 is hereby amended as follows:

SECTION 1: Section 1.3 Abbreviations is hereby amended by adding the following
abbreviation:

CBOD Carbonaceous Biochemical Oxygen Demand.

SECTION 2: Section 1.4 Definitions is hereby amended by deleting subparagraph JJJ.
Technical Review Criteria (TRC) Violation and by replacing it with the following:

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Ordinance No. 147-15 is hereby amended as follows:

SECTION 1: Section 1.3 ABBREVIATIONS is hereby amended by adding the following abbreviation:

CBOD Carbonaceous Biochemical Oxygen Demand.

SECTION 2: Section 1.4 Definitions is hereby amended by deleting subparagraph JJJ. Technical Review Criteria (TRC) Violation and by replacing it with the following:

JJJ. Technical Review Criteria (TRC) Violation – Technical Review Criteria (TRC) violations, defined here and those in which thirty three percent (33%) or more of the wastewater measurements taken for each pollutant parameter during a six (6) month period equals or exceeds the product of the numeric Pretreatment Standard or Requirement including Instantaneous Limits, as defined by Section 1.4 of this Ordinance multiplied by the applicable TRC (TRC = 1.4 for BOD₅, CBOD, TSS, COD, TKN, NH₃-N, fats, oil and grease, and 1.2 for all other Parameters except Ph).

SECTION 3: Section 2.14 Local Limits D. Conventional Pollutants (1) is hereby amended by deleting it in its entirety and be replacing it with the following:

Section 2.14 Local Limits

D. Conventional Pollutants

(1) BOD₅, CBOD, TSS, and NH₃-N

The POTW treatment plant was designed to accommodate specific waste load Concentrations and mass amounts of biochemical oxygen demand (BOD₅), Carbonaceous biochemical oxygen demand (CBOD), total suspended solids, (TSS) and ammonia nitrogen (NH₃-N). If an Industrial User discharges concentrations of these pollutants in excess of the Threshold Limitations on Wastewater Strength at Table 1: Industrial Wastewater Specific Pollutant Limitations, added operation and maintenance costs will be incurred by the POTW. Therefore, any Industrial User who discharges concentrations in excess of the Threshold limitations on Wastewater Strength at Table 1: Industrial Wastewater Specific Pollutant Limitations listed at Appendix A of this Ordinance for any conventional pollutants such as BOD₅, CBOD, TSS and/or NH₃-N will be subject to a surcharge. The formula for this surcharge is listed in Section 13.4 of this Ordinance. The City also reserves the right to, at any time, place specific mass or concentration limits for BOD₅, CBOD, TSS, and /orNH₃-N on the Industrial User if the Industrial User's discharge of the excessive strength wastewater causes the POTW treatment plant to violate its NPDES permit.

SECTION 4: Section 9 – Publication of Users in Significant Non Compliance, Criteria (B) is hereby amended by deleting it in its entirety and be replacing it with the following:

(B) Technical Review Criteria (TRC) violations, defined here as those in which thirty three percent (33%) or more of wastewater measurements taken for each pollutant parameter during a six (6) month period equals or exceeds the product

of the numeric Pretreatment Standard or Requirement including Instantaneous Limits, as defined by Section 1.4 multiplied by the applicable criteria (TRC=1.4 for BOD₅, CBOD, TSS, fats, oils and grease, NH₃-N and 1.2 for all other pollutants except Ph).

SECTION 5: Section 13.4 – Surcharge Fee is hereby amended by deleting it in its entirety and by replacing it with the following:

13.4 Surcharge Fee

If a Significant Industrial User discharges in excess of the Threshold Limitations on Wastewater Strength set for the pollutants BOD₅, CBOD, TSS, NH₃-N, and/or free oil and grease at Appendix S Table 1, additional operation and maintenance costs will be incurred by the City. Therefore, any Significant Industrial User who discharges in excess of the threshold limitations for any of these pollutants will be subject to a surcharge. The formula for this surcharge is listed below. Surcharges shall be in addition to normal user fees.

$$\left[\begin{array}{c} \text{Base Sewer Bill} \\ \text{for} \\ \text{Monthly Usage} \end{array} \right] \times \frac{\begin{array}{c} \text{Actual Monthly Average of} \\ \text{Parameter Concentration} \\ \text{(mg/L)} \end{array}}{\begin{array}{c} \text{Threshold Limitation on} \\ \text{Wastewater Strength Monthly} \\ \text{Average Concentration (mg/l)} \end{array}} - \begin{array}{c} \text{Base Sewer Bill} \\ \text{for} \\ \text{Monthly Usage} \end{array}$$

The City also reserves the right to, at any time, place limits which may not be Exceeded on the Significant Industrial User's discharge if the Significant Industrial User's discharge of the excessive strength wastewater causes the POTW Treatment Plant to violate its NPDES permit.

As an alternate to this formula, the city may calculate surcharge fees based on actual costs caused by the discharge of excessive strength conventional pollutants.

SECTION 6: Appendix A is hereby amended by deleting it in its entirety and by replacing it with the following:

See Attached.

Section 7: This Ordinance shall take effect ten (10) days from and after its passage on second and final reading, and after publication in the official city newspaper.

CITY OF UNION CITY, TENNESSEE

BY: *Tommy Kuhn*
Its Mayor

ATTEST:

Tracy Gore
City Clerk

APPROVED AS TO FORM AND LEGALITY:

[Signature]
City Attorney

Effective Date October 14, 2016

Passed on first reading:	September 20, 2016
Passed on second reading:	October 4, 2016
Published in official newspaper:	September 27, 2016
Effective date:	October 14, 2016

APPENDIX A

POLLUTANT PARAMETERS

(Subject to Change by Addenda applicable to new or revised "Pass Through Limitations" issued to the city by the Tennessee Department of Environment and Conservation, Division of Water Resources. The revision date will be noted in the revised Appendix)

ORDB008

Revision Date: Sept. 20, 2016

Table 1: Industrial Wastewater Specific Pollutant Limitations

Pollutant	Monthly Average Maximum Concentration (mg/L)	Daily Average Maximum Concentration (mg/L)
Benzene	0.135	0.270
Cadmium	0.028	0.056
Carbon Tetrachloride	0.135	0.270
Chloroform	2.40	4.80
Chromium, III	Report	Report
Chromium, VI	0.055	0.110
Copper	2.225	4.45
Cyanide	0.514	1.028
Ethylbenzene	0.262	0.524
Lead	0.242	0.484
Mercury	0.006	0.012
Methylene Chloride	1.206	2.412
Naphthalene	0.016	0.032
Nickel	2.575	5.15
Phenols, Total	0.725	1.45
Phthalates, Total	1.766	3.532
Silver	0.033	0.033
Tetrachloroethylene	1.165	2.33
Toluene	1.60	3.20
Trichloroethylene	0.846	1.692
Zinc	2.26	4.52
1,1,1 Trichloroethane	1.868	3.736
1,2 Transdichloroethylene	0.037	0.074

Threshold Limitations on Wastewater Strength: Exceedances may be subject to surcharge*		
CBOD or BOD ₅	120	240
TSS	240	480
NH ₃ -N (Summer)	44	88
NH ₃ -N (Winter)	23	46
Oil & Grease, Free	100	200

*Threshold Limitations on Wastewater Strength are not deemed a violation, but are open for review if the exceedance causes the POTW to violate its NPDES Permit. The Control Authority reserves the right to place limits on an Industrial User as stated at Section 13.4.

Revision Date: Sept. 20, 2016

Table 2: Criteria to Protect the POTW Treatment Plant Influent

Pollutant	Monthly Average Maximum Concentration (mg/L)	Daily Average Maximum Concentration (mg/L)
Benzene	0.015	0.030
Cadmium	0.004	0.008
Carbon Tetrachloride	0.015	0.030
Chloroform	0.258	0.516
Chromium, III	Report	Report
Chromium, VI	0.038	0.076
Copper	0.258	0.516
Cyanide	0.058	0.116
Ethylbenzene	0.029	0.058
Lead	0.029	0.058
Mercury	0.001	0.002
Methylene Chloride	0.132	0.264
Naphthalene	0.005	0.010
Nickel	0.291	0.582
Phenols, Total	0.169	0.338
Phthalates, Total	0.190	0.380
Silver	0.004	0.004
Tetrachloroethylene	0.125	0.250
Toluene	0.214	0.428
Trichloroethylene	0.091	0.182
Zinc	0.426	0.852
1,1,1 Trichloroethane	0.200	0.400
1,2 Transdichloroethylene	0.005	0.010

ORDB008