

RESOLUTION 19-R-02 adopting revised Murfreesboro Water Resources Department Plant Protection Criteria and Local Industrial User Limits.

WHEREAS, Murfreesboro City Code 33-36(F)(1) authorizes the Murfreesboro Water Resources Department (“MWRD”) to establish instantaneous, daily-maximum, and monthly average local mass limits (lbs/day) and concentration limits (mg/L or ug/L) on certain pollutants discharged to MWRD’s sanitary sewer system from customers having industrial user permits in accordance with 40 CFR 403.5(c). These limits are set to ensure the incoming wastewater to the Water Resource Recovery Facility (WRRF) meets plant protection criteria (PPC) so that the ability to meet effluent limits is maintained and in order to control regulated dischargers to achieve PPC, Industrial User Limits (Local Limits) are established; and,

WHEREAS, the MWRD has developed the revised PPC set forth herein to replace the MWRD’s existing PPC along with new Industrial User Limits, whose purpose is to achieve and maintain the PPC; and,

WHEREAS, these limits were advertised in a local newspaper in December 2018 and approved by Tennessee Department of Environment and Conservation on October 22, 2018 as required by Tennessee Rule 0400-40-14-.18; and,

WHEREAS, Murfreesboro Water Resources Board approved the following PPC and Industrial User Local Limits at its January 22, 2019 meeting and recommends the same to City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MURFREESBORO, TENNESSEE, AS FOLLOWS:

SECTION 1. Plant Protection Criteria. The PPC for the MWRD shall be as follows:

PLANT PROTECTION CRITERIA

Parameter	Daily Maximum Concentration (ug/l)	Daily Maximum Mass (lbs/day)
1,1,1, Trichloroethane	250.00	41.70
1,2 Trans dichloroethylene	7.50	1.25
Benzene	13.04	2.178
Cadmium	8.67	1.45
Carbon Tetrachloride	1494.00	249.20
Chloroform	223.68	37.31
Chromium, III	250.00	41.70
Chromium, VI	18.87	3.15
Copper	260.00	43.37
Cyanide (total)	342.11	57.06
Cyanide (free)	12.37	2.06
Ethylbenzene	40.00	6.67
Lead	100.00	16.68
Mercury	0.21	0.04

Methylene Chloride	96.15	16.04
Naphthalene	12.5	2.09
Nickel	250.00	33.61
Phenols, Total	454.55	75.82
Phthalates, Total	169.74	28.31
Silver	29.41	4.90
Tetrachloroethylene	138.89	23.17
Toluene	214.29	37.75
Trichloroethylene	100.00	16.68
Zinc	473.00	78.90

In cases where plant inhibition concentrations are lower than PPC, the plant inhibition concentrations will be considered the limiting factor. These limits apply at the point in which the wastewater enters the WRRF. All metals concentrations are expressed as "total" species.

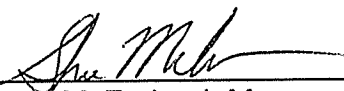
SECTION 2. Industrial User Local Limits. The Industrial User Local Limits for the MWRD shall be as follows:

INDUSTRIAL USER LIMITS

Parameter	Average Monthly Concentration (mg/l)	Daily Maximum Concentration (mg/l)
1,1,1, Trichloroethane	3.59	7.18
1,2 Trans dichloroethylene	0.10	0.20
Benzene	0.18	0.36
Cadmium	0.11	0.22
Carbon Tetrachloride	21.51	43.01
Chloroform	3.15	6.31
Chromium, III	3.53	7.07
Chromium, VI	0.20	0.41
Copper	2.81	5.62
Cyanide (total)	4.90	9.80
Cyanide (free)	0.16	0.32
Ethylbenzene	0.57	1.14
Lead	1.36	2.71
Mercury	0.002	0.003
Methylene Chloride	1.35	2.70
Naphthalene	0.15	0.29
Nickel	2.83	5.67
Phenols, Total	5.30	10.60
Phthalates, Total	2.32	4.65
Silver	0.390	0.78
Tetrachloroethylene	1.99	3.99
Toluene	2.99	5.97
Trichloroethylene	1.43	2.87
Zinc	3.90	7.79

SECTION 3. This resolution shall be effective immediately upon its passage and adoption, the public welfare and the welfare of the City requiring it.

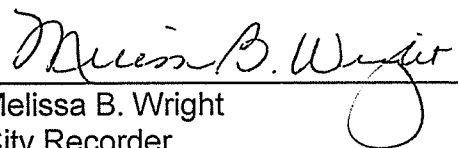
Passed: 1/31/2019



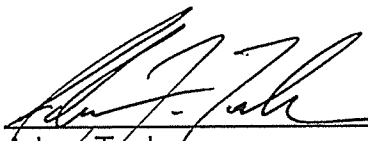
Shane McFarland, Mayor

ATTEST:

APPROVED AS TO FORM:



Melissa B. Wright
City Recorder



Adam Tucker
City Attorney