

STATE OF TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION DIVISION OF WATER RESOURCES

William R. Snodgrass - Tennessee Tower 312 Rosa L. Parks Avenue, 11th Floor Nashville, Tennessee 37243-1102

April 18, 2024

Honorable Dennis Deal Mayor City of Church Hill P.O. Box 366 Church Hill, TN 37642

SENT VIA ELECTRONIC MAIL TO: mayor@churchhilltn.gov

Re: Pass Through Limits

Church Hill, Tennessee

NPDES Permit No. TN0021253

Hawkins County

Dear Mayor Deal,

Attached, please find a copy of the revised Pass Through Limits (PTLs) for the Church Hill wastewater treatment plant. These limits were calculated based on current stream background and flow information, and incorporate the Water Quality Criteria approved in September 2019. The enclosed limits will supersede any limits previously issued and will take effect immediately.

Church Hill should use these limits in a technical evaluation of its protection criteria and local limits. If you have any questions or concerns, please contact me with any questions at Samantha. Oneil@tn.gov or (615) 961-4440.

Sincerely,

Samantha O'Neil

State Pretreatment Coordinator

Compliance and Enforcement Unit

cc: Ms. Sandra Vance – Division of Water Resource, Johnson City EFO

Ms. Sandy Renner - City of Church Hill

PASS THROUGH LIMITATIONS

Church Hill STP 4/18/2024 Hawkins County

Design Flow: 2.5 MGD TN0021253 1Q10: 587.2 MGD

Parameter	Concentration (μg/l)
Copper	80.00
Chromium, III	Report only
Chromium, VI	Report only
Chromium, Total	NA
Nickel	180.00
Cadmium	5.00
Lead	45.00
Mercury	0.40
Silver	5.00
Zinc	200.00
Cyanide	106.38
Toluene	15.00
Benzene	3.00
1,1,1 Trichloroethane	30.00
Ethylbenzene	4.00
Carbon Tetrachloride	15.00
Chloroform	85.00
Tetrachloroethylene	25.00
Trichloroethylene	10.00
1,2 trans Dichloroethylene	1.50
Methylene Chloride	50.00
Phenols, Total	50.00
Naphthalene	1.00
Phthalates, Total ¹	64.50

¹ Total Phthalates is the sum of Bis (2-ethylhexyl) phthalate, Butyl benzylphthalate, Di-n-butylphthalate and Diethyl phthalate.

Note: These limits are monthly averages. All sampling and analysis must be in accordance with 40 CFR 136 unless explicitly allowed by the NPDES permit. See Part 3.2. of the NPDES permit for sample type requirements. References include T.C.A. 0400-40-14-.12(7)(c), 40 CFR 136, and EPA Form 3510-2C (8/90 version).