

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No.: MO-0131971

Owner:
Address: Timber Creek Sewer Company
P.O. Box 511, Platte City, MO 64079

Continuing Authority:
Address: Same as above
Same as above

Facility Name: Oakbrook Wastewater Treatment Plant
Facility Address: S terminus of Kelli Drive, Kearney, MO 64060

Legal Description: NW ¼, SE ¼, Sec. 7, T52N, R31W, Clay County
UTM Coordinates: X= 377394, Y= 4354164

Receiving Stream: Tributary to Fishing River
First Classified Stream and ID: Fishing River (C) (394)
USGS Basin & Sub-watershed No.: (10300101-0404)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 – NON-POTW – PSC Regulated Facility – Residential Subdivision – SIC #8811

The use or operation of this facility shall be by or under the supervision of a Certified "C" Operator

Screening / grit removal / splitter box / aeration tanks / clarifier / aerobic digester / UV disinfection / sludge disposal by contract hauler

Design population equivalent is 300.

Design flow is 30,000 gallons per day.

Adjusted Design flow is 14,999 gallons per day.

Actual flow is 3,500 gallons per day.


Design sludge production is 8.4 dry tons/year.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 621.250 RSMo, Section 640.013 RSMo and Section 644.051.6 of the Law.

September 1, 2017
Effective Date


Edward B. Galbraith, Director, Division of Environmental Quality

March 31, 2019
Expiration Date


Chris Wieberg, Director, Water Protection Program

OUTFALL #001	TABLE A. FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS	PAGE NUMBER 2 of 4
		PERMIT NUMBER MO-0131971

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective on **September 1, 2017** and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:

EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Flow	MGD	*		*	once/quarter***	24 hr. total
Biochemical Oxygen Demand ₅	mg/L		45	30	once/quarter***	composite**
Total Suspended Solids	mg/L		45	30	once/quarter***	composite**
<i>E. coli</i> (Note 1)	#/100mL	1,030		206	once/quarter***	grab
Ammonia as N (Apr 1 – Sep 30) (Oct 1 – Mar 31)	mg/L	*		*	once/quarter***	grab
		12.1		2.5		

MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE JANUARY 28, 2018. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

EFFLUENT PARAMETER(S)	UNITS	MINIMUM		MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
pH – Units ***	SU	6.5		9.0	once/quarter***	grab

MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE JANUARY 28, 2018.

- * Monitoring requirement only.
- ** A composite sample made up from a minimum of four grab samples collected within a 24 hour period with a minimum of two hours between each grab sample.
- *** pH is measured in pH units and is not to be averaged.
- **** See table below for quarterly sampling.

Note 1 - Effluent limitations and monitoring requirements for *E. coli* are applicable only during the recreational season from April 1 through October 31. The Monthly Average Limit for *E. coli* is expressed as a geometric mean.

Quarterly Minimum Sampling Requirements				
Quarter	Months	<i>E. coli</i>	All Other Parameters	Report is Due
First	January, February, March	Not required to sample.	Sample at least once during any month of the quarter	April 28 th
Second	April, May, June	Sample at least once during any month of the quarter	Sample at least once during any month of the quarter	July 28 th
Third	July, August, September	Sample at least once during any month of the quarter	Sample at least once during any month of the quarter	October 28 th
Fourth	October	Sample once during <u>October</u>	Sample at least once during any month of the quarter	January 28 th
	November & December	Not required to sample.		