



Missouri Department of Natural Resources

PUBLIC NOTICE

DRAFT MISSOURI STATE OPERATING PERMIT

DATE: April 03, 2015

In accordance with the state Clean Water Law, Chapter 644, RSMo, Missouri Clean Water Commission regulation 10 CSR 20-6.010, and the Federal Clean Water Act, the applicants listed herein have applied for authorization to either discharge to waters of the state, or to operate a no-discharge wastewater treatment facility. The proposed permits for these operations are consistent with applicable water quality standards, effluent standards and/or treatment requirements or suitable timetables to meet these requirements (see 10 CSR 20-7.015 and 7.031). All permits will be issued for a period of five years unless noted otherwise in the Public Notice for that discharge.

On the basis of preliminary staff review and the application of applicable standards and regulations, the Missouri Department of Natural Resources (MDNR), as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions. The proposed determinations are tentative pending public comment.

Persons wishing to comment on the proposed permit conditions are invited to submit them in writing to: Missouri Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102, ATTN: NPDES Permits and Engineering Section/Permit Comments. **Please include the permit number in all comment letters.**

Comments should be confined to the issues relating to the proposed action and permit(s) and the effect on water quality. The MDNR may not consider as relevant comments or objections to a permit based on issues outside the authority of the Missouri Clean Water Commission, (see Curdt v. Mo. Clean Water Commission, 586 S.W.2d 58 Mo. App. 1979).

All comments must be received or postmarked by 5:00 p.m. on May 04, 2015. MDNR will consider all written comments, including e-mails, faxes and letters, in the formulation of all final determinations regarding the applications. E-mail comments will be accepted at the following address: publicnoticenpdes@dnr.mo.gov. If response to this notice indicates significant public interest, a public meeting or hearing may be held after due notice for the purpose of receiving public comment on the proposed permit or determination. Public hearings and/or issuance of the permit will be conducted or processed according to 10 CSR 20-6.020.

Copies of all draft permits and other information including copies of applicable regulations are available for inspection and copying at MDNR's Website: <http://www.dnr.mo.gov/env/wpp/permits/permit-pn.htm>, or at the Missouri Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday.

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-0022381

Owner: City of Mount Vernon
Address: 319 E. Dallas, Mount Vernon, MO 65712

Continuing Authority: Same as above
Address: Same as above

Facility Name: Mount Vernon WWTF
Facility Address: Northwest of Hwy 39 and W. North St. intersection, Mount Vernon, MO 65712

Legal Description: SW ¼, SE ¼, Sec. 25, T28N, R27W, Lawrence County
UTM Coordinates: X= 426354, Y= 4106872

Receiving Stream: Williams Creek (P)
First Classified Stream and ID: Williams Creek (P) (3172) 303(d) List
USGS Basin & Sub-watershed No.: (11070207-0105)

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 – POTW – SIC #4952

See Page 2.

This permit authorizes only wastewater and stormwater 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.

Effective Date

Sara Parker Pauley, Director, Department of Natural Resources

Expiration Date

John Madras, Director, Water Protection Program

FACILITY DESCRIPTION (continued):

Outfall #001 – POTW – SIC #4952

The use or operation of this facility shall be by or under the supervision of a Certified A Operator.
Flow equalization / headworks screw lift pumps / automatic bar screen / grit chamber / 2 oxidation ditches / 2 final clarifiers / 2 tertiary sand filters / ultraviolet disinfection / effluent concrete re-aeration steps / 3 aerated sludge holding tanks / sludge is land applied / blending occurs after the tertiary sand filters and before the UV disinfection, during high flow events where wastewater flows greater than the sand filtration system can treat (4 MGD) and the storage lagoon is at capacity.

Design population equivalent is 6,500.
Design flow is 1.35 MGD.
Actual flow is 0.711 MGD.
Design sludge production is 230 dry tons/year.

Legal Description: SW ¼, SE ¼, Sec. 25, T28N, R27W, Lawrence County
UTM Coordinates: X= 426354, Y= 4106872
Receiving Stream: Williams Creek (P)
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Permitted Feature #SM1 – Instream Monitoring

Instream monitoring location – Upstream – See Special Condition #24

Permitted Feature #SM2 – Instream Monitoring

Instream monitoring location – Downstream – approximately 50 yards downstream of Outfall #001.

Legal Description: SW ¼, SE ¼, Sec. 25, T28N, R27W, Lawrence County
UTM Coordinates: X= 426305, Y= 4106850
Receiving Stream: Williams Creek (P)
First Classified Stream and ID: Williams Creek (P) (3172) 303(d) List
USGS Basin & Sub-watershed No.: (11070207-0105)

OUTFALL #001	TABLE A-1. FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS	PAGE NUMBER 3 of 12
		PERMIT NUMBER MO-0022381

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 **Effective Date** 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/day	24 hr. total
Biochemical Oxygen Demand ₅ (Note 2, Page 4)	mg/L		10	10	once/week	composite**
Total Suspended Solids (Note 2, Page 4)	mg/L		45	30	once/week	composite**
Ammonia as N (Apr 1 – Sep 30) (Oct 1 – Mar 31)	mg/L	5.4 12.1		1.5 2.7	once/week	grab
<i>E. coli</i> (Note 1, Page 4)	#/100mL		630	126	once/week	grab

MONITORING REPORTS SHALL BE SUBMITTED MONTHLY; THE FIRST REPORT IS DUE MONTH 28, 20XX. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

Oil & Grease	mg/L	15		10	once/quarter****	grab
Total Phosphorus	mg/L	*		*	once/quarter****	grab
Total Nitrogen	mg/L	*		*	once/quarter****	grab
Cadmium, Total Recoverable	µg/L	0.7		0.3	once/quarter****	grab
Copper, Total Recoverable	µg/L	22.1		8.2	once/quarter****	grab
Iron, Total Recoverable	µg/L	*		*	once/quarter****	grab
Nickel, Total Recoverable	µg/L	146.8		55.0	once/quarter****	grab
Zinc, Total Recoverable	µg/L	180.5		59.4	once/quarter****	grab

MONITORING REPORTS SHALL BE SUBMITTED QUARTERLY; THE FIRST REPORT IS DUE MONTH 28, 20XX.

EFFLUENT PARAMETER(S)	UNITS	MINIMUM		MAXIMUM	MEASUREMENT FREQUENCY	SAMPLE TYPE
pH – Units ***	SU	6.0		9.0	once/week	grab

MONITORING REPORTS SHALL BE SUBMITTED MONTHLY; THE FIRST REPORT IS DUE MONTH 28, 20XX.

* Monitoring requirement only.

** A 24-hour composite sample is composed of 48 aliquots (subsamples) collected at 30 minute intervals by an automatic sampling device.

*** pH is measured in pH units and is not to be averaged.

**** See table on Page 4 for quarterly sampling requirements.