

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

The Missouri Department of Natural Resources hereby issues a permit to:

Mr. Allen E. Gradel, City Clerk
Village of Freeburg
304 N. Highway 63
Freeburg, MO 65035

for the construction of (described facilities):

See attached.

Permit Conditions:

See attached.

Construction of such proposed facilities shall be in accordance with the provisions of the Missouri Clean Water Law, Chapter 644, RSMo, and regulation promulgated thereunder, or this permit may be revoked by the Department of Natural Resources (Department).

As the department does not examine structural features of design or the efficiency of mechanical equipment, the issuance of this permit does not include approval of these features.

A representative of the department may inspect the work covered by this permit during construction. Issuance of a permit to operate by the department will be contingent on the work substantially adhering to the approved plans and specifications.

This permit applies only to the construction of water pollution control components; it does not apply to other environmentally regulated areas.

May 26, 2015
Effective Date

May 25, 2017
Expiration Date

Sara Parker Pauley, Director, Department of Natural Resources

John Madras, Director, Water Protection Program

CONSTRUCTION PERMIT

COLLECTION SYSTEM:

This project includes approximately 1,400 linear feet of 2-inch (2") SDR 21 PVC pressure sewer, one air/vacuum release valve, two cleanouts and all the necessary appurtenances to make a complete and usable wastewater collection system to serve an estimated population equivalent of 17 and an estimated design average flow of 1,638 gallons per day. The project will also include general site work appropriate to the scope and purpose of the project.

These wastewater facilities will be located in the Village of Freeburg in Osage County and will discharge to an existing sewer system to be treated at the Village of Freeburg Wastewater Treatment Facility, Missouri State Operating Permit No. MO-0058220.

PERMIT CONDITIONS:

1. All construction shall be in accordance with the plans and specifications submitted by Bartlett & West, Inc. on July 17, 2012.
2. The department must be contacted in writing prior to making any changes to the approved plans and specifications that would directly or indirectly have an impact on the capacity, flow, system layout, or reliability of the proposed wastewater treatment facilities or any design parameter that is addressed by 10 CSR 20-8, in accordance with 10 CSR 20-8.110(8).
3. State and federal law does not permit bypassing of raw wastewater; therefore steps must be taken to ensure that raw wastewater does not discharge during construction. If a sanitary sewer overflow or bypass occurs, report the appropriate information to the department's Northeast Regional Office per 10 CSR 20-7.015(9)(E)2.
4. This construction permit is invalid for projects required to comply with the requirements contained in 10 CSR 20-4, "Grants and Loans".
5. Protection of drinking water supplies shall be in accordance with 10 CSR 20-8.120(10). "There shall be no physical connections between a public or private potable water supply system and a sewer, or appurtenance thereto which would permit the passage of any wastewater or polluted water into the potable supply. No water pipe shall pass through or come in contact with any part of a sewer manhole."

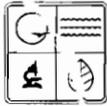
- A. Sewers in relation to water works structures shall meet the requirements of 10 CSR 23-3.010 with respect to minimum distances from public water supply wells or other water supply sources and structures.
- B. Sewer mains shall be laid at least 10 feet horizontally from any existing or proposed water main. The distances shall be measured edge-to-edge. In cases where it is not practical to maintain a 10 foot separation, the department may allow a deviation on a case-by-case basis, if supported by data from the design engineer. Such a deviation may allow installation of the sewer closer to a water main, provided that the water main is in a separate trench or on an undisturbed earth shelf located on either side of the sewer and at an elevation so the bottom of the water main is at least 18 inches above the top of the sewer. If it is impossible to obtain proper horizontal and vertical separation as described above for sewers, the sewer must be constructed of slip-on or mechanical joint pipe or continuously encased and be pressure tested to 150 pounds per square inch to assure water tightness.
- C. Manholes shall be located with the top access at or above grade level.
- D. Manholes should be located at least 10 feet horizontally from any existing or proposed water main.
- E. Sewers crossing water mains shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer to maintain line and grade. When it is impossible to obtain proper vertical separation as stipulated above, one of the following methods must be specified:
 - 1) The sewer shall be designed and constructed equal to the water pipe and shall be pressure tested to assure water tightness prior to backfilling; or
 - 2) Either the water main or sewer line may be continuously encased or enclosed in a watertight carrier pipe which extends 10 feet on both sides of the crossing, measured perpendicular to the water main. The carrier pipe shall be of materials approved by the department for use in water main construction.

7. In addition to the requirements for a construction permit, 10 CSR 20-6.200 requires land disturbance activities of one acre or more to obtain a Missouri state operating permit to discharge storm water. The permit requires best management practices, sufficient control runoff and sedimentation to protect waters of the state. Land disturbance permits may only be obtained by means of the department's ePermitting system available online at www.dnr.mo.gov/env/wpp/epermit/help.htm. See www.dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm for more information.
8. A United States (U.S.) Army Corps of Engineers (COE) permit (404) and a Water Quality Certification (401) issued by the department or permit waiver may be required for the activities described in this permit. This permit is not valid until these requirements are satisfied. If construction activity will disturb any land below the ordinary high water mark of jurisdictional waters of the U.S. then a 404/401 will be required. Since the COE makes determinations on what is jurisdictional, you must contact the COE to determine permitting requirements. You may call the department's Water Protection Program at 573-751-1300 for more information. See www.dnr.mo.gov/env/wpp/401/ for more information.
9. In accordance with 10 CSR 20-6.010(6)(B), submit the enclosed form Application for Letter of Authorization – Sewer Extension to the department following completion of construction. Submit an electronic copy of the as-built drawings with this form if the project was not constructed in accordance with previously submitted plans and specifications.
10. Upon completion of construction, the Village of Freeburg will become the continuing authority for operation, maintenance, and modernization of these facilities.

Cindy LePage, P.E.
Engineering Section
cindy.lepage@dnr.mo.gov

RECEIVED

07-22-15
11-15



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
APR 22 2015
APPLICATION FOR CONSTRUCTION PERMIT -
SEWER EXTENSION

WATER PROTECTION PROGRAM

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEE RECEIVED	CHECK NO.
DATE RECEIVED	

NOTE ► PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE COMPLETING THIS FORM

1.0 APPLICATION INFORMATION

1.1 Is this a Federal/State funded project? YES NO Funding Agency: Project #:

1.2 Has the Department of Natural Resources approved the proposed project's engineering report*?
 YES Date of Approval: 07/16/2012 NO N/A

1.3 Is a copy of the appropriate plans* and specifications* included with this application? YES NO

1.4 Is a summary of design* included with this application? YES NO

1.5 Is the appropriate fee included with this application? (See instructions for appropriate fee) YES NO

* Must be affixed with a Missouri registered professional engineer's seal, signature and date.

2.0 PROJECT INFORMATION

2.1 NAME OF PROJECT
Pressure Sanitary Sewer Extension

ADDRESS	CITY	STATE	ZIP CODE	COUNTY
Highway 63	Freeburg	MO	65035	Osage

2.2 Legal Description: ¼, SW ¼, SW ¼, Sec. 10, T 41N, R 9W

2.3 Project Components (check all that apply):
 Gravity sewers Pumping stations Force mains Alternative sewer system

2.4 PROJECT DESCRIPTION
This project includes 1,400 LF of 2" ASTM D2241 SDR 21 PVC pressure sewer, one air/vacuum release valve, and two cleanouts. This extension will provide sewer to 7 lots on the south side of Freeburg, Missouri.

2.5 DESIGN INFORMATION

A. Population or number of lots to be served by this extension: 7 lots

B. Estimated flow to be contributed by this extension: Design Average Flow: 1,638 gpd Design Peak Hourly Flow: 273 gph

C. Industrial Wastes: Type: None Flow: gpd

D. Receiving Sewer: Size: 8 inches Capacity: 700 gpm

3.0 PROJECT OWNER

NAME	TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS
Village of Freeburg	(573) 744-5301	agradel@ste-bank.com

ADDRESS	CITY	STATE	ZIP CODE
304 N. Highway 63	Freeburg	MO	65035

4.0 CONTINUING AUTHORITY: Permanent organization that will serve as the continuing authority for the operation, maintenance and modernization of the wastewater collection system.

NAME	TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS
Village of Freeburg	(573) 744-5301	agradel@ste-bank.com

ADDRESS	CITY	STATE	ZIP CODE
304 N. Highway 63, P.O. Box 121	Freeburg	MO	65035

4.1 A letter from the continuing authority, if different than the owner, is included with this application. YES NO

4.2 Will the user charge rate increase as a result of the proposed sewer extension? YES NO

5.0 CONSULTANT

ENGINEER NAME / COMPANY NAME	TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS
Bartlett & West, Inc.	(573) 659-6730	mike.logston@bartwest.com

ADDRESS	CITY	STATE	ZIP CODE
1719 Southridge Drive, Suite 100	Jefferson City	MO	65109

6.0 RECEIVING WASTEWATER TREATMENT FACILITY		
NAME Village of Freeburg WWTF	TELEPHONE NUMBER WITH AREA CODE (573) 744-5301	EMAIL ADDRESS
MISSOURI STATE OPERATING PERMIT # MO-0058220	REMAINING CAPACITY (GPD) 60,000	
6.1 Has the receiving treatment facility agreed to accept the additional wastewater flow? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
6.2 A letter from the receiving wastewater treatment facility, if different than the continuing authority, is included with this application. <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
7.0 PROJECT OWNER: I hereby certify that I am familiar with the information contained in this application and to the best of my knowledge and belief such information is true, complete, and accurate, and if granted this permit, I agree to abide by the Missouri Clean Water Law and all rules, regulations, orders, and decisions, subject to any legitimate appeal available to applicant under Missouri Clean Water Law.		
PROJECT OWNER SIGNATURE <i>Allen E. Gradel, City Clerk</i>		
PRINTED NAME <i>Allen E. Gradel, City Clerk</i>	DATE <i>4-20-15</i>	
TITLE OR CORPORATE POSITION <i>City Clerk</i>	TELEPHONE NUMBER WITH AREA CODE <i>573-744-5301</i>	E-MAIL ADDRESS <i>agradel@ste-bank.com</i>
Mail completed copy to: MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM P.O. BOX 176 JEFFERSON CITY, MO 65102-0176		

April 20, 2015

Mr. Byron Shaw, P.E.
Water Protection Program
Department of Natural Resources
P.O. Box 176
Jefferson City, MO 65101

RECEIVED

APR 22 2015

WATER PROTECTION PROGRAM

Re: AP 12460 Village of Freeburg Sanitary Sewer Extension
MO-0058220
Project No. 17971.001

Dear Mr. Shaw:

On behalf of the Village of Freeburg, I am enclosing a copy of the Application for Construction Permit – Sewer Extension. This application and filing fee were previously submitted in May 2012 along with a brief Facility Plan describing the proposed extension. Approval was issued on August 3, 2012.

Unfortunately, the proposed sewer extension was not constructed within the two-year validation period of the permit. This letter is being sent to request either an extension of the original Construction Permit, or issuance of a new Construction Permit. The Village of Freeburg requests a waiver of the Application Fee if a new permit is to be issued.

Please let me know at your earliest convenience, the status of this request.

Sincerely,



Michael Logston, P.E.

C: Village of Freeburg

