



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

## DEPARTMENT OF NATURAL RESOURCES

[www.dnr.mo.gov](http://www.dnr.mo.gov)

September 16, 2016

The Honorable Eloise Slaughter, Mayor  
Village of Whiteside  
P.O. Box 87  
Whiteside, MO 63387

RE: SBS-165-14 Village of Whiteside, Missouri -- Wastewater Collection and Treatment System, MO-0138355, Construction Permit No. CP0001742

Dear Mayor Slaughter:

The Department of Natural Resources' Water Protection Program has reviewed and approved the plans and specifications submitted by Trabue, Hansen & Hinshaw, Inc. for the village of Whiteside. Please find enclosed Construction Permit No. CP0001742 and one set of approved plans and specifications. You must maintain these with your official project file for a minimum of four years following completion of the project.

This permit will terminate 12 months from the date of issuance. In accordance with 10 CSR 20-6.010(4)(G), the department may grant an extension only one time. If you believe that an extension is necessary, you must submit a request and a justification in writing for the extension at least 30 days prior to the permit expiration date.

Nothing in this permit removes any obligations to comply with county or other local ordinances or restrictions.

The issuance of this permit does not guarantee funding from the department's Financial Assistance Center will be available for this project.

If you were adversely affected by this decision, you may be entitled to an appeal before the Administrative Hearing Commission (AHC) pursuant to 10 CSR 20-1.020 and Section 621.250, RSMo. To appeal, you must file a petition with the AHC within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC. Contact information for the AHC is: Administrative Hearing Commission, United States Post Office Building, Third Floor, 131 West High Street, P.O. Box 1557, Jefferson City, Missouri 65102, Phone: (573) 751-2422, Fax: (573) 751-5018, and Website: [www.oa.mo.gov/ahc](http://www.oa.mo.gov/ahc).

The Honorable Eloise Slaughter, Mayor  
September 16, 2016  
Page 2

If you have any questions concerning this matter, please contact Mr. David Uhlig, P.E. of the Water Protection Program, at (573) 751-1302 or Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102-0176.

Thank you for your efforts to help ensure clean water in Missouri.

Sincerely,

WATER PROTECTION PROGRAM



Shawn Muenks, P.E., SRF Engineering Unit Chief  
Financial Assistance Center

SM:duc

Enclosures

c: Mr. Tom Wells, P.E., Trabue, Hansen & Hinshaw, Inc.  
Boonslick Regional Planning Commission  
St. Louis Regional Office  
Mr. David Uhlig, P.E., Water Protection Program, Financial Assistance Center  
Ms. Kelsey Kempker, Water Protection Program, Financial Assistance Center

STATE OF MISSOURI  
DEPARTMENT OF NATURAL RESOURCES  
MISSOURI CLEAN WATER COMMISSION



## CONSTRUCTION PERMIT

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

Village of Whiteside  
PO Box 87  
Whiteside, MO 63387

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.

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.

September 16, 2016  
Effective Date

September 15, 2017  
Expiration Date

Sara Parker Pauley, Director, Department of Natural Resources

John Madros, Director, Water Protection Program

## **CONSTRUCTION PERMIT**

### **COLLECTION AND WASTEWATER TREATMENT SYSTEMS:**

The proposed wastewater collection system will consist of the construction and installation of approximately 6445 linear feet (lf) of eight-inch polyvinyl chloride (PVC) Standard Dimension Ratio (SDR)-35 gravity sewer with 28 manholes, 1605 lf of two-inch and 739 lf of four-inch PVC SDR-21 force mains, two duplex grinder pumps with pumps capable of operating at 15 gallons per minute (gpm) at 21.2 feet of total dynamic head (TDH) for Lift Station No. 1 and pumps capable of operating at 15 gpm at 51.4 feet of TDH for Lift Station No. 2 and a duplex lift station for Lift Station No. 3 with pumps capable of operating at 80 gpm at 18.8 feet of TDH, and one permanent generator. The proposed wastewater treatment facility will consist of a septic tank, recirculation tank, recirculating sand filter, a reaeration tank, and an ultraviolet disinfection system. The collection system and the wastewater treatment system are designed to serve an estimated population equivalent of 155 and an estimated design average flow of 15,240 gallons per day. The project will include all general site work and necessary appurtenances to make a complete and usable wastewater collection and treatment system appropriate to the scope and purpose of the project.

### **FINDING OF AFFORDABILITY:**

Pursuant to Section 644.145, RSMo, the department is not required to determine whether a permit or decision is affordable and make a finding of affordability for each permit or decision.

### **PERMIT CONDITIONS:**

The permittee is authorized to construct subject to the following conditions:

1. All construction shall be in accordance with the plans received from Trabue, Hansen & Hinshaw, Inc. on June 6, 2016 and signed and sealed by Mr. Tom Wells, P.E. on August 30, 2015 or March 16, 2016 and the specifications received from Trabue, Hansen & Hinshaw, Inc. on June 6, 2016 and signed and sealed by Mr. Tom Wells, P.E. on November 23, 2015, and approved by the department on September 16, 2016.
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. This construction permit does not authorize discharge.
4. 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 St. Louis Regional Office per 10 CSR 20-7.015(9)(E)2.
5. 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 stormwater. The permit requires Best Management Practices sufficient to 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](http://www.dnr.mo.gov/env/wpp/epermit/help.htm).

See [www.dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm](http://www.dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm) for more information.

6. 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/](http://www.dnr.mo.gov/env/wpp/401/) for more information.

7. Upon completion of construction:
  - a. The village of Whiteside will become the continuing authority for operation, maintenance, and modernization of these facilities;
  - b. Submit the enclosed form Statement of Work Completed to the department in accordance with 10 CSR 20-6.010(5)(D).

REC'D  
3/19/15



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
WATER PROTECTION PROGRAM

APPLICATION FOR CONSTRUCTION PERMIT -  
WASTEWATER TREATMENT FACILITY

MAR 2 2015

AP20848 CP0001742  
Folder Tracking #C14565

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEE RECEIVED 4000.00	CHECK NO. 1000
DATE RECEIVED 3/12/15	

APPLICATION OVERVIEW

The Application for Construction Permit – Wastewater Treatment Facility form has been developed in a modular format and consists of Part A and B. All applicants must complete Part A. Part B should be completed for applicants who currently land-apply wastewater or propose land application for wastewater treatment. Please read the accompanying instructions before completing this form. Submittal of an incomplete application may result in the application being returned.

PART A – BASIC INFORMATION

1.0 APPLICATION INFORMATION (Note – If any of the questions in this section are answered NO, this application may be considered incomplete and returned.)

- 1.1 Is this a Federal/State funded project?  YES  N/A Funding Agency: CDBG Project #: \_\_\_\_\_
  - 1.2 Has the Missouri Department of Natural Resources approved the proposed project's antidegradation review?  YES Date of Approval: 12/01/2014
  - 1.3 Has the department approved the proposed project's facility plan\*?  YES Date of Approval: \_\_\_\_\_  NO  N/A (If Not Applicable, complete No. 1.4.)
  - 1.4 [Complete only if answered Not Applicable on No. 1.3.] Is a copy of the engineering report\* for wastewater treatment facilities with a design flow less than 22,500 gpd included with this application?  YES  NO
  - 1.5 Is a copy of the appropriate plans\* and specifications\* included with this application?  YES Denote which form is submitted:  Hard copy  Electronic copy (See instructions.)  NO
  - 1.6 Is a summary of design\* included with this application?  YES  NO Design flow is less than 22,500 gpd
  - 1.7 Has the appropriate operating permit application (A, B, or B2) been submitted to the department?  YES Date of submittal: \_\_\_\_\_  Enclosed is the appropriate operating permit application submittal. Denote which form:  A  B  B2  N/A Please explain: Operator to be determined, Operating Permit Application to be submitted by beginning of construction.
  - 1.8 Is the facility currently under enforcement with the department or the Environmental Protection Agency?  YES  NO
  - 1.9 Is the appropriate fee included with this application?  YES  NO (See instructions for appropriate fee.)
- \* Must be affixed with a Missouri registered professional engineer's seal, signature and date.

2.0 PROJECT INFORMATION

2.1 NAME OF PROJECT

Whiteside Wastewater Collection and Treatment

2.2 PROJECT DESCRIPTION

A new wastewater collection and treatment system consisting of 6,442 feet of new 8" gravity sewer; 1 sewage lift station and 2 grinder pump stations; 2,386 feet of 2" to 4" force line; and a new treatment system comprised of a community septic tank followed by a recirculating sand filter system, ultraviolet disinfection and re-aeration prior to discharge.

2.3 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION

The community septic tank will be pumped out on a periodic basis with disposal at an approved facility under a contract to be established prior to system start-up.

2.4 DESIGN INFORMATION

- A. Current population: 74; Design population: 152
- B. Actual Flow: est 10.9k gpd; Design Average Flow: 15240 gpd;  
Actual Peak Daily Flow: est 30k gpd; Design Maximum Daily Flow: 50000 gpd; Design Wet Weather Event: 50000

2.5 ADDITIONAL INFORMATION

- A. Is a topographic map attached?  YES  NO
- B. Is a process flow diagram attached?  YES  NO This is contained in the accompanying plan set.

**ASTEWATER TREATMENT FACILITY**

side Wastewater Treatment Facility		TELEPHONE NUMBER WITH AREA CODE (573) 485-3322	E-MAIL ADDRESS mpofnorthlincoln@yahoo.com	
SS (PHYSICAL) of MO Hwy. Z, West of Cherry St.	CITY Whiteside	STATE MO	ZIP CODE 63387	COUNTY Lincoln
stewater Treatment Facility: Mo- (Outfall Of )				
3.1 Legal Description: <u>NW 1/4, SE 1/4, SW 1/4, Sec. 16, T 51N, R 1W</u> (Use additional pages if construction of more than one outfall is proposed.)				
3.2 UTM Coordinates Easting (X): <u>671093</u> Northing (Y): <u>4338875</u> For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)				
3.3 Name of receiving streams: <u>Unnamed tributary to Sandy Creek</u>				

**4.0 PROJECT OWNER**

NAME Village of Whiteside		TELEPHONE NUMBER WITH AREA CODE (573) 485-3322	E-MAIL ADDRESS mpofnorthlincoln@yahoo.com	
ADDRESS 103 Galloway Street, P.O. Box 33	CITY Whiteside	STATE MO	ZIP CODE 63387	

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

NAME Village of Whiteside		TELEPHONE NUMBER WITH AREA CODE (573) 485-3322	E-MAIL ADDRESS mpofnorthlincoln@yahoo.com	
ADDRESS 103 Galloway Street, P.O. Box 33	CITY Whiteside	STATE MO	ZIP CODE 63387	

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

5.2 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHORITY IS A MISSOURI PUBLIC SERVICE COMMISSION REGULATED ENTITY.

A. Is a copy of the certificate of convenience and necessity included with this application?  YES  NO

5.3 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHORITY IS A PROPERTY OWNERS ASSOCIATION.

- A. Is a copy of the as-filed restrictions and covenants included with this application?  YES  NO
- B. Is a copy of the as-filed warranty deed, quitclaim deed or other legal instrument which transfers ownership of the land for the wastewater treatment facility to the association included with this application?  YES  NO
- C. Is a copy of the as-filed legal instrument (typically the plat) that provides the association with valid easements for all sewers included with this application?  YES  NO
- D. Is a copy of the Missouri Secretary of State's nonprofit corporation certificate included with this application?  YES  NO

**6.0 ENGINEER**

ENGINEER NAME / COMPANY NAME Thomas P. Wells, P.E./Trabue, Hansen & Hinshaw Inc.		TELEPHONE NUMBER WITH AREA CODE (573) 814-1568	E-MAIL ADDRESS twells@thhinc.com	
ADDRESS 1901 Pennsylvania Drive	CITY Columbia	STATE MO	ZIP CODE 65202	

**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. I also understand the issuance of the construction permit does not guarantee the proposed wastewater treatment will meet the required effluent limitations of the issued Missouri State Operating Permit for this facility.

PROJECT OWNER SIGNATURE  
*Eloise Slaughter*

PRINTED NAME  
Eloise Slaughter *Eloise Slaughter*

DATE  
2-9-15

TITLE OR CORPORATE POSITION  
Chair, Board of Trustees

TELEPHONE NUMBER WITH AREA CODE  
(573) 485-3322

E-MAIL ADDRESS  
mpofnorthlincoln@yahoo.com

Mail completed copy to: MISSOURI DEPARTMENT OF NATURAL RESOURCES  
WATER PROTECTION PROGRAM  
P.O. BOX 176  
JEFFERSON CITY, MO 65102-0176

**END OF PART A.  
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHETHER PART B NEEDS TO BE COMPLETE.**