

**STATE OF MISSOURI**  
**DEPARTMENT OF NATURAL RESOURCES**  
**MISSOURI CLEAN WATER COMMISSION**



**CONSTRUCTION PERMIT**

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

Sherrri K. Schwenke  
Forest Supervisor – Mark Twain National Forest  
Red Bluff Campground WWIS  
237 Highway V  
Davisville, MO 65456

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.

March 2, 2021  
Effective Date

March 1, 2023  
Expiration Date

  
Edward B. Galbraith, Director, Division of Environmental Quality

  
Chris Wieberg, Director, Water Protection Program

## **CONSTRUCTION PERMIT**

### **I. CONSTRUCTION DESCRIPTION**

The permitted construction of Red Bluff Campground Wastewater Irrigation System (WWIS) will include the installation of two 4,200 gallon septic tanks in series, a 5,000 gallon tri-plex pump tank, and a three cell low pressure piping (LPP) subsurface irrigation field.

This project will also include general site work appropriate to the scope and purpose of the project and all necessary appurtenances to make a complete and usable WWIS.

### **II. COST ANALYSIS FOR COMPLIANCE**

Pursuant to Section 644.145, RSMo, when issuing permits under this chapter that incorporate a new requirement for discharges from publicly owned combined or separate sanitary or storm sewer systems or publicly owned treatment works, or when enforcing provisions of this chapter or the Federal Water Pollution Control Act, 33 U.S.C. 1251 et seq., pertaining to any portion of a publicly owned combined or separate sanitary or storm sewer system or [publicly owned] treatment works, the Department of Natural Resources shall make a “finding of affordability” on the costs to be incurred and the impact of any rate changes on ratepayers upon which to base such permits and decisions, to the extent allowable under this chapter and the Federal Water Pollution Control Act. This process is completed through a cost analysis for compliance. Permits that do not include new requirements may be deemed affordable.

The Department is not required to complete a cost analysis for compliance because the facility is not a combined or separate sanitary sewer system for a publically-owned treatment works.

### **III. CONSTRUCTION PERMIT CONDITIONS**

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

1. This construction permit does not authorize discharge.
2. All construction shall be consistent with plans and specifications signed and sealed by United States (US) Forest Service and as described in this permit.
3. The Department must be contacted in writing prior to making any changes to the 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(11).
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 Southeast Regional Office per 10 CSR 20-7.015(9)(G).

5. The wastewater treatment facility shall be located at least fifty feet (50') from any dwelling or establishment per 10 CSR 20-8.140(2)(C)
6. The wastewater treatment facility shall be located above the twenty-five (25)-year flood level.
7. The wastewater facility structures, electrical equipment, and mechanical equipment shall be protected from physical damage by not less than the one hundred- (100-) year flood elevation per 10 CSR 20-8.140(2)(B). The minimum distance between wastewater treatment facilities and all potable water sources shall be at least three hundred feet (300') per 10 CSR 20-8.140(2)(C)1.
8. In addition to the requirements for a construction permit, 10 CSR 20-6.200 requires land disturbance activities of 1 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 will only be obtained by means of the Department's ePermitting system available online at [dnr.mo.gov/env/wpp/epermit/help.htm](http://dnr.mo.gov/env/wpp/epermit/help.htm). See [dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm](http://dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm) for more information.
9. A US 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 [dnr.mo.gov/env/wpp/401/](http://dnr.mo.gov/env/wpp/401/) for more information.
10. All construction must adhere to applicable 10 CSR 20-8 (Chapter 8) requirements listed below.
  - Rain water from roofs, streets, and other areas and groundwater from foundation drains shall be excluded from all new sewers. 10 CSR 20-8.120 (2)
  - Service connections to the gravity sewer main shall be watertight and cannot protrude into the sewer. 10 CSR 20-8.120 (3) (C) 1.
  - There shall be no physical connections between a public or private potable water supply system and a sewer or appurtenance that would permit the passage of any wastewater or polluted water into the potable supply. 10 CSR 20-8.120 (5) (A)
  - Sewers shall be laid at least fifty feet (50') in a horizontal direction from any existing or proposed public water supply well or other water supply sources or structures. Sewers must also comply with 10 CSR 23-3.010. 10 CSR 20-8.120 (5) (B)

- Flood protection shall apply to new construction and to existing facilities undergoing major modification. The wastewater facility structures, electrical equipment, and mechanical equipment shall be protected from physical damage by not less than the one hundred- (100-) year flood elevation. 10 CSR 20-8.140 (2) (B)
- Unless another distance is determined by the Missouri Geological Survey or by the department's Public Drinking Water Branch, the minimum distance between wastewater treatment facilities and all potable water sources shall be at least three hundred feet (300'). 10 CSR 20-8.140 (2) (C) 1.
- No treatment unit with a capacity of twenty-two thousand five hundred gallons per day (22,500 gpd) or less shall be located closer than the minimum distance of 200' to a neighboring residence and 50' to property line for lagoons; 200' to a neighboring residence for open recirculating media filters following primary treatment; and 50' to a neighboring residence for all other discharging facilities. See 10 CSR 20-2.010(68) for the definition of a residence. 10 CSR 20-8.140 (2) (C) 2
- Facilities shall be readily accessible by authorized personnel from a public right-of-way at all times. 10 CSR 20-8.140 (2) (D)
- Where a potable water supply is to be used for any purpose in a wastewater treatment facility other than direct connections, a break tank, pressure pump, and pressure tank or a reduced pressure backflow preventer consistent with the department's Public Drinking Water Branch shall be provided. 10 CSR 20-8.140 (7) (D) 3. A.
- Subsurface systems shall—
  - Exclude unstabilized fill and soils that have been highly compacted and/or disturbed, such as old road beds, foundations, or similar things; 10 CSR 20-8.200 (7) (A) 1. A.
  - Provide adequate surface drainage where slopes are less than two percent (2%); 10 CSR 20-8.200 (7) (A) 1. B.
  - Provide surface and subsurface water diversion where necessary, such as a curtain or perimeter drain; 10 CSR 20-8.200 (7) (A) 1. C. and
  - Have a ten foot (10') buffer from the property line. 10 CSR 20-8.200 (7) (A) 1. D.
- The vertical separation between the bottom of the drip lines and/or the trench and a limiting layer, including but not limited to, bedrock; restrictive horizon; or seasonal high water table, shall be no less than:
  - Twenty-four inches (24"); 10 CSR 20-8.200 (7) (A) 2. A. or
  - Twelve inches (12") for systems dispersing secondary or higher quality effluent; 10 CSR 20-8.200 (7) (A) 2. B. or
  - Forty-eight inches (48") where karst features are present unless the site can be reclassified. 10 CSR 20-8.200 (7) (A) 2. C.
- Subsurface systems shall be, at a minimum, preceded by preliminary treatment. 10 CSR 20-8.200 (7) (B)

- Loading rates shall not exceed the values assigned by the site and soil evaluation.  
10 CSR 20-8.200 (7) (C)
- All network piping and low pressure distribution piping and fittings with polyvinyl chloride (PVC) shall meet ASTM Standard D 1785 *Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, or 120* as approved and published August 1, 2015, or equivalent rated to meet or exceed ASTM D2466 *Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings* as approved and published August 1, 2017. These standards shall hereby be incorporated by reference into this rule, as published by ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959. This rule does not incorporate any subsequent amendments or additions.  
10 CSR 20-8.200 (8) (A) 2.
- Manifold design for LPP systems shall address freeze protection while assuring uniform distribution and to minimize drain down of laterals into other laterals at a lower elevation between dosing events. 10 CSR 20-8.200 (8) (A) 3.
- The orifice number and spacing shall be designed to provide a distribution of no more than six square feet per orifice with an orifice size of not less than one-eighth inch.  
10 CSR 20-8.200 (8) (C) 1.

11. Upon completion of construction:

- A. The US Department of Agriculture – Forest Service will become the continuing authority for operation and maintenance of these facilities;
- B. Submit an electronic copy of the as built if the project was not constructed in accordance with previously submitted plans and specifications;
- C. Submit the enclosed form Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(N); and
- D. Submit the Operating Permit Application Fee of \$150 to the Engineering Section of the Water Protection Program 60 days prior to the start of operation and irrigation. Form B - Application for an Operating Permit for Domestic or Municipal Wastewater ( $\leq 100,000$  gallons per day) and Form I – Permit Application for Operation of Wastewater Irrigation Systems have already been submitted with the construction permit application.

## **IV. REVIEW SUMMARY**

### **1. CONSTRUCTION PURPOSE**

The US Forest Service is developing a new, modern campground loop at the Red Bluff Recreation Area near Danville, Missouri. This new campground loop is being developed to remove the existing campground sites in the floodplain of Huzzah Creek at the lower, south loop. The new camping sites are approximately 175 feet higher in elevation, providing a safer and more sanitary camping experience.

### **2. FACILITY DESCRIPTION**

The new permitted wastewater irrigation system will be constructed for the new campground site. The new campground will consist of one camping host site, 22 camping sites for single recreational vehicles (RV), 11 camping sites for double RV, and a shower/flush building. The shower/flush building transfers wastewater by gravity to the first 4,200 gallon septic tank. Wastewater flows from the first septic tank to the second 4,200 gallon septic tank. Wastewater flows from the second septic tank to the 5,000 gallon tri-plex pump tank. Wastewater is pumped to 3 different subsurface irrigation cells through a LPP subsurface irrigation system. The system is designed as a seasonal system and will not be used during freezing temperatures.

The Red Bluff Campground WWIS is located at 237 Highway V, Davisville, in Crawford County, Missouri. The facility has a design average flow of 2,614 gpd and serves a hydraulic population equivalent of approximately 180 people.

### **3. COMPLIANCE PARAMETERS**

The permitted project shall meet the requirements of MO-G823000, Land Application of Domestic Wastewater with an expiration date of August 24, 2022. The facility shall follow the Subsurface Dispersal Operational Requirements of MO-G823000. Please reference the Department's website for itemized requirements.

MO-G823000 Land Application of Domestic Wastewater:  
<https://dnr.mo.gov/env/wpp/permits/issued/docs/G823000.pdf>

General Operating Permits:  
<https://dnr.mo.gov/env/wpp/permits/issued/wpcpermits-general.htm>

### **4. ANTIDEGRADATION**

The permitted construction project is a subsurface wastewater irrigation system, a non-discharging alternative. Since there is no new or expanded discharge with this project, a Water Quality and Antidegradation Review was not conducted.

## 5. REVIEW of MAJOR TREATMENT DESIGN CRITERIA

### Construction will cover the following items:

- Components are designed for a population equivalent of 180 based on organic loading to the system.
- **First Septic Tank** – A septic tank provides passive primary treatment as the settleable solids in raw wastewater settle onto the bottom of the tank. Raw wastewater will flow by gravity to the 4,000 gallon one-compartment septic tank. The first septic tank is 8' x 13'8" x 8'2.5" with a water level depth of 6'. The first septic tank provides approximately 1.5 days of detention at design average flow. The clarified wastewater flows by gravity to the second septic tank by a tee-drop pipe. Settled solids in the septic tank shall be removed by a contract hauler.
- **Second Septic Tank** – Clarified wastewater will flow by gravity to the second 4,000 gallon one-compartment septic tank. The second septic tank is 8' x 13'8" x 8'2.5" with a water level depth of 5' 10". The second septic tank provides approximately 1.5 days of additional detention at design average flow. The Second Septic Tank will use a Zabel A300 12x20 VC effluent filter on the tank outlet. The clarified wastewater flows by gravity to the Tri-Plex Pump Tank by a tee-drop pipe. Settled solids in the septic tank shall be removed by a contract hauler.
- **Tri-Plex Pump Tank** – Preliminary treated wastewater will flow by gravity to the Tri-Plex Pump Tank. The Tri-Plex Pump Tank is 8' x 15'3" x 8'8.5" with a pump shut-off water level of 22" above the tank floor. The Tri-Plex Pump Tank provides approximately 0.8 days of additional detention at design average flow. There will be 3 pumps that transfer preliminary treated wastewater to each of the 3 subsurface irrigation cells. These pumps will be Myers MW100D Double Seal Pumps or equivalent capable of transferring wastewater at 116 gpm with 21 ft of TDH. Pump-on level is 26" above the tank floor and the alarm-on level is 50" above the tank floor. Preliminary treated wastewater is pumped from the Tri-Plex Pump Tank to the Subsurface Irrigation System via 3" schedule 80 PVC pressure piping. The pumps will be on a timer so they will only turn on for their respective cell every 6 hours. If float is actuated, Pump 1 will turn on at hour 2, 8, 14 and 20. If float is actuated, Pump 2 will turn on at hour 4, 10, 16, and 22. If float is actuated, Pump 3 will turn on at hour 6, 12, 18 and 24. Settled solids in the Tri-Plex Pump Tank shall be removed by a contract hauler.
- **Subsurface Soil Dispersal System** – The soils for the irrigation cells are rated for application rates of 0.1 – 0.3 gallons per day per square foot (gpd/sqft) for LPP irrigation systems. The facility proposed a design loading rate of 0.2 gpd/sqft for Cells #1 and #2 and a loading rate of 0.25 gpd/sqft for Cell #3. Soil morphology review was conducted during the facility plan review, and on-site soils were determined to be acceptable for this system. The soil investigation was completed by Matthew W. Roth, Certified Soil Scientist with On-Site Soils, Inc. on April 1, 2020.

In the soils investigation, there were 3 pits dug over the proposed irrigation sites, one pit for each irrigation cell.

- **Soil Test Pit #1 (Irrigation Cell #1)** had a surface soil that was described as silty loam with an application rate between 0.25 and 0.3 gpd/sqft. A slope of 2% was estimated with no seasonal high water table observed. A limiting layer of silty clay with an application rate of 0.1 gpd/sqft was observed 19 inches below ground surface.
  - **Soil Test Pit #2 (Irrigation Cell #2)** had a surface soil that was described as silty loam, with an application rating between 0.1 to 0.3 gpd/sqft. A slope of 6% was estimated with no seasonal high water table observed. A limiting layer of gravelly silty clay with an application rate of 0.1 gpd/sqft was observed 28 inches below ground surface.
  - **Soil Test Pit #3 (Irrigation Cell #3)** had a surface soil that was described as silt loam with an application rating of 0.25 gallons per square foot per day. A slope of 4% was estimated with no seasonal high water table observed. A limiting layer of very gravelly silty clay with an application rate of 0.1 gpd/sqft was observed 27 inches below ground surface.
- **Low-Pressure Piping** – The LPP system is divided into three irrigation cells. Table 1 summarizes the design parameters for each irrigation cell. The system is designed as a seasonal system and will not be used during freezing conditions. The orifices shall use a pattern of 3 up and 1 down with the down perforations utilizing an orifice shield. A gravelless Infiltrator EZflow 801-P-GEO product will be used for the trench dispersal media and carry the 1” PVC Schedule 40 laterals. The end of each lateral has a 1-inch ball valve for clean outs within a valve box. Marker posts will be installed on all 4 corners of each irrigation cell. Each irrigation cell will have 4 x 4” schedule 40 observation ports. Native soil will be mounded to maintain 24 inches of separation between the trench bottoms and the limiting layer.

**Table 1: Low Pressure Piping Subsurface Irrigation Cell Design Parameters**

Design Parameters	Unit	Irrigation Cell #1	Irrigation Cell #2	Irrigation Cell #3
Pump Identification	-	Pump 1	Pump 2	Pump 3
Number of Laterals	#	8	8	8
Lateral Length	feet	100	100	110
Lateral Spacing	feet	5	5	5
Orifice Opening Diameter	inch	3/16	3/16	3/16
Orifice Spacing	feet	5	5	5
Orifices per Lateral	#	10	10	11
Maximum Daily Wastewater Flow	gpd/sqft	0.2	0.2	0.25
Minimum LPP Soil Treatment Area	sqft	4000	4000	4056



Minimum Total Length of LPP Trench	feet	800	800	812
Irrigation Cell Dimensions (L x W)	feet	104 x 40	104 x 40	114 x 40
Dose Volume	gallons	200	200	254
Forcemain Length from Pump to Irrigation Cell Manifold	feet	120	70	185

## **6. OPERATING PERMIT**

After the completion of construction, submit the following:

- Wastewater Construction Statement of Work Completed (Form: MO 780-2155) <https://dnr.mo.gov/forms/780-2155-f.pdf> ;
- As-builts if the project was not constructed in accordance with previously submitted plans and specifications; and
- Operating Permit Application Fee of \$150. The Operating Permit Application Fee shall be submitted 60 days prior to the start of operation and irrigation.

Form B - Application for an Operating Permit for Domestic or Municipal Wastewater ( $\leq 100,000$  gallons per day) and Form I – Permit Application for Operation of Wastewater Irrigation Systems have already been submitted with the construction permit application. Missouri State General Operating Permit, MO-G823179, Land Application of Domestic Wastewater, will be issued after receipt of the above documents.

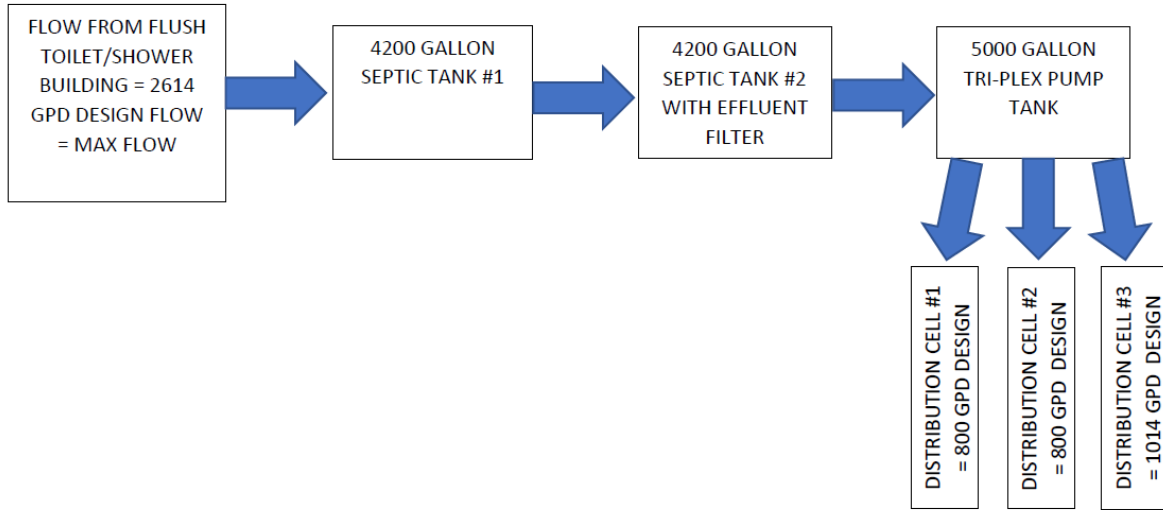
## **V. NOTICE OF RIGHT TO APPEAL**

If you were adversely affected by this decision, you may be entitled to an appeal before the Administrative Hearing Commission (AHC) pursuant to Section 621.250 RSMo. To appeal, you must file a petition with the AHC within 30 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. Any appeal should be directed to:

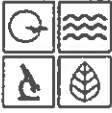
Administrative Hearing Commission  
U.S. Post Office Building, Third Floor  
131 West High Street, P.O. Box 1557  
Jefferson City, MO 65102-1557  
Phone: 573-751-2422  
Fax: 573-751-5018  
Website: <https://ahc.mo.gov>

Steve Hamm, P.E.  
Engineering Section  
[Steven.hamm@dnr.mo.gov](mailto:Steven.hamm@dnr.mo.gov)

**Appendix – Process Flow Diagram**



FLOW DIAGRAM FOR ONSITE, BELOW GRADE SEPTIC SYSTEM



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
 WATER PROTECTION PROGRAM  
**APPLICATION FOR CONSTRUCTION PERMIT –  
 WASTEWATER TREATMENT FACILITY**

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

**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: \_\_\_\_\_ Project #: \_\_\_\_\_
- 1.2 Has the Missouri Department of Natural Resources approved the proposed project's antidegradation review?  
 YES Date of Approval: \_\_\_\_\_  N/A
- 1.3 Has the department approved the proposed project's facility plan\*?  
 YES Date of Approval: 7-22-20  NO (If No, complete No. 1.4.)
- 1.4 [Complete only if answered No on No. 1.3.] Is a copy of the facility plan\* for wastewater treatment facilities included with this application?  
 YES  NO  Exempt because \_\_\_\_\_
- 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
- 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 and fee submittal. Denote which form:  A  B  B2  
 N/A: However, in the event the department believes that my operating permit requires revision to permit limitation such as changing equivalent to secondary limits to secondary limits or adding total residual chlorine limits, please share a draft copy prior to public notice?  YES  NO
- 1.8 Is the facility currently under enforcement with the department or the Environmental Protection Agency?  YES  NO
- 1.9 Is the appropriate fee or JetPay confirmation included with this application?  YES  NO  
 See Section 7.0

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

**2.0 PROJECT INFORMATION**

2.1 NAME OF PROJECT Red Bluff Campground North Loop Wastewater System	2.2 ESTIMATED PROJECT CONSTRUCTION COST \$ 155,000
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2.3 PROJECT DESCRIPTION  
 Construction of a new seasonal on site septic system for a flush toilet/shower building. Design flow = 2614 gpd routed through 2 septic tanks, effluent filter, timed dosed pump chamber to below grade effluent distribution cells. There is no surface discharge.

2.4 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION  
 Sludge from 2 septic tanks pumped and hauled by licensed pumper.

**2.5 DESIGN INFORMATION**

- A. Current population: 0; Design population: 180
- B. Actual Flow: NA gpd; Design Average Flow: 2614 gpd;  
 Actual Peak Daily Flow: 2614 gpd; Design Maximum Daily Flow: 2614 gpd; Design Wet Weather Event: NA

**2.6 ADDITIONAL INFORMATION**

- A. Is a topographic map attached?  YES  NO
- B. Is a process flow diagram attached?  YES  NO

Please see the approved and attached Facility Plan that contains all of this information.

**3.0 WASTEWATER TREATMENT FACILITY**

NAME NA - On site, below grade effluent disposal design.		TELEPHONE NUMBER WITH AREA CODE 573-364-4621	E-MAIL ADDRESS NA	
ADDRESS (PHYSICAL) 237 Highway V	CITY Davisville	STATE MO	ZIP CODE 65456	COUNTY Crawford

Wastewater Treatment Facility: Mo- (Outfall Of )

3.1 Legal Description: \_\_\_\_\_ ¼, NW \_\_\_\_\_ ¼, NE \_\_\_\_\_ ¼, Sec. 29, T 36N, R 2W  
(Use additional pages if construction of more than one outfall is proposed.)

3.2 UTM Coordinates Easting (X): -91.1766 Northing (Y): 37.8122  
For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)

3.3 Name of receiving streams: None - there is no discharge.

**4.0 PROJECT OWNER**

NAME USDA-U.S. Forest Service - Sherri K. Schwenke		TELEPHONE NUMBER WITH AREA CODE 573-341-7413	E-MAIL ADDRESS sherri.schwenke@usda.gov	
ADDRESS 401 Fairgrounds Road	CITY Rolla	STATE MO	ZIP CODE 65401	

**5.0 CONTINUING AUTHORITY:** A continuing authority is a company, business, entity or person(s) that will be operating the facility and/or ensuring compliance with the permit requirements.

NAME USDA-U.S. Forest Service - Sherri K. Schwenke		TELEPHONE NUMBER WITH AREA CODE 573-341-7413	E-MAIL ADDRESS sherri.schwenke@usda.gov	
ADDRESS 401 Fairgrounds Road	CITY Rolla	STATE MO	ZIP CODE 65401	

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 Amy D. Wilson, PE - USDA - U.S. Forest Service		TELEPHONE NUMBER WITH AREA CODE 573-341-7464	E-MAIL ADDRESS amy.d.wilson@usda.gov	
ADDRESS 401 Fairgrounds Road	CITY Rolla	STATE MO	ZIP CODE 65401	

**7.0 APPLICATION FEE**

CHECK NUMBER  JETPAY CONFIRMATION NUMBER 20018349

**8.0 PROJECT OWNER:** I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

PROJECT OWNER SIGNATURE  


PRINTED NAME  
Sherri K. Schwenke

DATE  
Sept 10, 2020

TITLE OR CORPORATE POSITION Forest Supervisor - Mark Twain National Forest	TELEPHONE NUMBER WITH AREA CODE 573-341-7413	E-MAIL ADDRESS sherri.schwenke@usda.gov
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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.**