STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

Francis J Lynch Memorial VFW Post 3168 **Rick Conway** 26050 Swindel Dr. Richland, MO 65556

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.

April 22, 2022 Effective Date

April 21, 2024 **Expiration Date**

Chris Wieberg, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

The Francis J Lynch Memorial VFW Post 3168 WWTF is located at 26050 Swindell Drive, Richland, in Pulaski County, Missouri. The facility currently has a package extended aeration plant that is being removed and replaced with a subsurface drip system. From the VFW Hall, a 1,500 gallon 2 compartment grease interceptor will be installed and flows from the grease interceptor will combine with flows from the RV park at the duplex pump station. The RV side will serve 20 RV spots and have a 3,000 gallon septic tank. Flow combine at the duplex effluent grinder pumps, where each pump is capable of operating at 43.5 gpm at 68 ft total head. Following the duplex pump station, flows will enter a 4,000 gallon equalization tank and then on to one of the 2 Jet J-1500CF installed in parallel. Each system has 2 aerated zones with fixed film and then a settling area with an effluent filter on the discharge. Following the treatment, flows will go through the pump tank on to the indexing valve and then on to the drip dispersal system. The drip system will have 3 zones, each having 29 lines and dosing at 0.15 gpd per sq ft. The design average flow will be 2,130 gpd, with a peak flow of 3,640 gpd.

A closure plan will need to be submitted to the Central Field Office for review and approval prior to any closure activites.

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 wastewater treatment facility.

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 Terris Cates, PE with Integrity Engineering 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 Central Field Office Office per 10 CSR 20-7.015(9)(G).
- 5. The completed project shall be field tested to verify actual pumped volume of each dose. The timer controls shall be set to ensure a dosing rate not to exceed the allowable rate of 0.15 gallons per square foot per day.
- 6. The wastewater treatment facility shall be located at least fifty feet (50') from any dwelling or establishment per 10 CSR 20-8.140(C)(2)
- 7. The wastewater treatment facility shall be located above the twenty-five (25)-year flood level.
- 8. 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.
- 9. 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 https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem. See https://dnr.mo.gov/data-e-services/water/electronic-permitting-epermitting for more information.
- 10. A United States Army Corps of Engineers (USACE) Clean Water Act Section 404 Department of the Army permit and a Section 401 Water Quality Certification issued by the Department may be required for the activities described in this permit. This permit is

not valid until these requirements are satisfied or notification is provided that no Section 404 permit is required by the USACE. You must contact your local USACE district since they determine what waters are jurisdictional and which permitting requirements may apply. You may call the Department's Water Protection Program, Operating Permits Section at 573-522-4502 for more information. See https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/section-401-water-quality for more information.

- 11. In accordance with 10 CSR 20-6.010(12), a full closure plan shall be submitted to the Department's Central Field Office for review and approval of any permitted wastewater treatment system being replaced. The closure plan must meet the requirements outlined in Standard Conditions Part III of the Missouri State Operating Permit No. MOGD00252. Closure shall not commence until the submitted closure plan is approved by the Department.
- 12. All construction must adhere to applicable 10 CSR 20-8 (Chapter 8) requirements listed below.
 - 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.
 - Facilities shall be readily accessible by authorized personnel from a public right–ofway at all times. 10 CSR 20-8.140 (2) (D)
 - All wastewater treatment facilities shall be provided with an alternate source of electric power or pumping capability to allow continuity of operation during power failures. 10 CSR 20-8.140 (7) (A) 1.
 - Electrical systems and components in raw wastewater or in enclosed or partially enclosed spaces where hazardous concentrations of flammable gases or vapors that are normally present, shall comply with the NFPA 70 *National Electric Code (NEC)* (2017 Edition), as approved and published August 24, 2016, requirements for Class I, Division 1, Group D locations. 10 CSR 20-8.140 (7) (B)
 - An audiovisual alarm or a more advanced alert system, with a self-contained power supply, capable of monitoring the condition of equipment whose failure could result in a violation of the operating permit, shall be provided for all wastewater treatment facilities. 10 CSR 20-8.140 (7) (C)
 - No piping or other connections shall exist in any part of the wastewater treatment facility that might cause the contamination of a potable water supply. 10 CSR 20-8.140 (7) (D) 1.
 - 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.

- For indirect connections, a sign shall be permanently posted at every hose bib, faucet, hydrant, or sill cock located on the water system beyond the break tank or backflow preventer to indicate that the water is not safe for drinking. 10 CSR 20-8.140 (7) (D) 3. B.
- Where a separate non-potable water supply is to be provided, a break tank will not be necessary, but all system outlets shall be posted with a permanent sign indicating the water is not safe for drinking. 10 CSR 20-8.140 (7) (D) 4.
- A means of flow measurement shall be provided at all wastewater treatment facilities. 10 CSR 20-8.140 (7) (E)
- Adequate provisions shall be made to effectively protect facility personnel and visitors from hazards. The following shall be provided to fulfill the particular needs of each wastewater treatment facility:
 - Fencing. Enclose the facility site with a fence designed to discourage the entrance of unauthorized persons and animals; 10 CSR 20-8.140 (8) (A)
 - Gratings over appropriate areas of treatment units where access for maintenance is necessary; 10 CSR 20-8.140 (8) (B)
 - First aid equipment; 10 CSR 20-8.140 (8) (C)
 - Posted "No Smoking" signs in hazardous areas; 10 CSR 20-8.140 (8) (D)
 - Appropriate personal protective equipment (PPE); 10 CSR 20-8.140 (8) (E)
 - Portable blower and hose sufficient to ventilate accessed confined spaces; 10 CSR 20-8.140 (8) (F)
 - 10 CSR 20-8.140 (8) (G) Portable lighting equipment complying with NEC requirements. See subsection (7)(B) of this rule;
 - 10 CSR 20-8.140 (8) (H) Gas detectors listed and labeled for use in NEC Class I, Division 1, Group D locations. See subsection (7)(B) of this rule;
 - Appropriately-placed warning signs for slippery areas, non-potable water fixtures (see subparagraph (7)(D)3.B. of this rule), low head clearance areas, open service manholes, hazardous chemical storage areas, flammable fuel storage areas, high noise areas, etc.; 10 CSR 20-8.140 (8) (I)
 - Provisions for local lockout/tagout on stop motor controls and other devices; 10 CSR 20-8.140 (8) (L)
 - Provisions for an arc flash hazard analysis and determination of the flash protection boundary distance and type of PPE to reduce exposure to major electrical hazards shall be in accordance with NFPA 70E *Standard for Electrical Safety in the Workplace* (2018 Edition), as approved and published August 21, 2017. 10 CSR 20-8.140 (8) (M)
- The identification and hazard warning data included on chemical shipping containers, when received, shall appear on all containers (regardless of size or type) used to store, carry, or use a hazardous substance. 10 CSR 20-8.140 (9) (E)
- All wastewater treatment facilities must have a screening device, comminutor, or septic tank for the purpose of removing debris and nuisance materials from the influent wastewater. 10 CSR 20-8.150 (2)
- Grease interceptors shall be provided on kitchen drain lines from institutions, hospitals, hotels, restaurants, schools, bars, cafeterias, clubs, and other establishments from which relatively large amounts of grease may be discharged to a wastewater treatment facility owned by the grease producing entity. Grease interceptors are typically constructed from fiberglass reinforced polyester, high density polyethylene

(HDPE), or concrete. For corrugated HDPE grease interceptors, follow ASTM F2649 – 14 *Standard Specification for Corrugated High Density Polyethylene (HDPE) Grease Interceptor Tanks*, as approved and published September 1, 2014. For precast concrete grease interceptor tanks, follow ASTM C1613 – 17 *Standard Specification for Precast Concrete Grease Interceptor Tanks*, as approved and published September 1, 2017. 10 CSR 20-8.150 (3)

- All screening devices and screening storage areas shall be protected from freezing. 10 CSR 20-8.150 (4) (A) 1.
- Effective flow splitting devices and control appurtenances (*e.g.* gates and splitter boxes) shall be provided to permit proper proportioning of flow and solids loading to each settling unit, throughout the expected range of flows. 10 CSR 20-8.160 (2) (B)
- A septic tank must have a minimum capacity of at least one thousand (1,000) gallons. 10 CSR 20-8.180 (2) (A)
- The septic tank shall be baffled. 10 CSR 20-8.180 (2) (B)
- The public shall not be allowed into an area when irrigation is being conducted; 10 CSR 20-8.200 (6) (F) 2. and
- 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)
 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)
- The location and size of the drains and buffers must be factored into the total area required for the drip dispersal system. 10 CSR 20-8.200 (9) (A) 1.
- The drip dispersal lines shall be placed at a minimum depth of six inches (6") below the surface. 10 CSR 20-8.200 (9) (B) 1.
- Emitters and drip dispersal lines shall be placed at a minimum on a two foot (2') spacing to achieve even distribution of the wastewater and maximum utilization of the soil. 10 CSR 20-8.200 (9) (B) 2.

- 13. Upon completion of construction:
 - A. The Francis J Lynch Memorial VFW Post 3168 will become the continuing authority for operation and maintenance of these facilities;
 - B. Submit an electronic copy of the as builts if the project was not constructed in accordance with previously submitted plans and specifications; and

Submit the enclosed form Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(N) with a request to issue the operating permit. The operating permit modification fee of 37.50 needs to be paid.

IV. REVIEW SUMMARY

1. <u>CONSTRUCTION PURPOSE</u>

The treatment plant is being replaced and extended to handle additional flows from the proposed 20 new RV spots and as the existing extended aeration plant is need of upgrades and maintenance.

2. FACILITY DESCRIPTION

The Francis J Lynch Memorial VFW Post 3168 WWTF is located at 26050 Swindell Drive, Richland, in Pulaski County, Missouri. The facility currently has a package extended aeration plant that is being removed and replaced with a subsurface drip system. The subsurface drip system will serve both the VFW Hall and the 20 new RV spots. The design average flow will be 2,130 gpd, with a peak flow of 3,640 gpd.

3. <u>COMPLIANCE PARAMETERS</u>

The proposed project is required to meet the requirements of MOG823 with an expiration date of August 24, 2022. At this time, subsurface dispersal systems have no monitoring requirments.

4. REVIEW of MAJOR TREATMENT DESIGN CRITERIA

Construction will cover the following items:

- From the VFW Hall, a 1,500 gallon grease interceptor is utilized to intercept and collect grease from raw wastewater and prevents grease from clogging downstream components. A 2 compartment grease interceptor approiximately 12.8 ft by 7.5 ft by 4.16 ft with a water level of 3.5 ft.
 - From the grease interceptor flows will proceed through approximately 66 lf of 4 inch PVC pipe.
 - Settled solids in the grease interceptor tank shall be removed by a contract hauler.

- Using the a design flow of previously permitted design flow of 1250 gpd, the grease interceptor has the potential detention time of 2.4 days.
- From the new RV holding area, a new 3,000 gallon septic tank will be installed
 - The RV site is designed for approximately 20 RVs with approximately 636 lf of 4 inch PVC and 589 lf of 6 inch PVC
 - Wastewater will flow by gravity to the 3,000 gallon two-compartment septic tank.
 - The precast septic tank will be approximately 12.83 ft by 6.83 ft by 7.3 ft with a water level at 6.3 ft.
 - Compartment one is approximately 9.7 ft, while compartment 2 is 2 ft. Compartment 2 contains an effluent filter on the outlet.
 - Estimating that the 20 RV spots generates 1,920 gpd, the 3,000 gallon septic tank provides 1.56 days of storage.
 - Settled solids in the septic tank shall be removed by a contract hauler.
- Effluent Grinder Pump- flows from the grease interceptor and the septic tank will be combined at the duplex pump station. The duplex effluent grinder pumps will be a Liberty D369LSG pump capable of operating at 43.5 gpm at 68 ft total head.
 - From effluent pump to the flow equalization tank, there will 816 lf of 2 inch PVC forcemain with 1 air release valve.
- Flows will flow into a 4,000 gallon flow equalization tank.
 - The tank will be approximately 12.83 ft by 6.83 ft by 8.66 ft with water level at 7.16 ft.
 - The flow equalization tank will provide 1.09 days of detention at design peak flow of 3,640 gpd.
 - The flow equalization tank will include a 4 inch filter screen before flows are split between 2 aeration treatment systems.
 - The pump will be a Liberty 253 or equivalent capabale of operating at 14.x gpm at 16 ft total head.
- 2 Jet J-1500CF residential treatment plants are proposed. Each JET J-1500 CF treatment system includes 2 zones. In the first treatment zone, the aerated treatment capacity is 456 gallons and includes 2 internal zones of BAT media. In the second zone, the aerated treatment capacity is 582 gallons with 2 zones of BAT media.
 - Fixed diffuser aeration is mounted at the top of each compartment.
 - Biologically Accelerated Treatment media is a patented fixed film media from Jet. For the 1500 gallon systems, Media D and Media B are used to increase surface area for treatment.
 - \circ The settling zone provides 114 gallons of capacity and any solids are returned back to the 2nd treatment zone.
 - Flows exit through a Zabel A300 effluent filter.
- Pump Tank- A pump tank will be installed to dose the dispersal field. The tank will be approximately 12.83 ft by 6.83 ft by 7.3 ft with water level at 6.83 ft.

- The pump will be a Liberty Model FL 100 automatic submersible pump capable of operating at 40 gmp at 74 ft TDH.
- The pump tank provides 0.82 days (19.8 hrs) of detention at design peak flow.
- From the pump tank flows will enter 3 zone automatic distribution box.
- Subsurface Soil Dispersal System The soils at this site are rated for 0.15 gpd/sf. Soil morphology review was conducted during the facility plan application review and on site soils were determined to be acceptable for this system. The soil investigation was completed by Dennis Meinert, Soil Scientist on April 9, 2021.
 - Soils Report. In the soils investigation, there were 3 pits dug over the proposed site. To meet the vertical separation distances, secondary treatment is required, which is being completed by Jet J-1500CF system.
 - Soil test pit #1, is described as silty clay loam with 39% clay, with an application rate of 0.15 gallons per square foot per day at 23 inches.
 - Soil test pit #2, is described as silty clay loam with 38% clay, with an application rate of 0.15 gallons per square foot per day at 24 inches.
 - Soil test pit #3, is described as silty clay loam with 38% clay, with an application rate of 0.15 gallons per square foot per day at 21 inches.
 - Specifications for placement of the fill prescribe a specific range of acceptable soil moisture content and the type of construction equipment (tracked) to be used to avoid over compaction.
 - Hydraulic loading rate used in the design was conservative at 0.15 gallons per square foot per day. Vortex screen filters will be used above the manifold with 1.25" supply lines and ¹/₂" ID GeoFlow lines installed 8" deep.
- Drip The facility has selected the Geoflow subsurface drip dispersal system.
 - The system will dose 3 zones, with each zone having 29 lines at 0.15 gpd/sq. ft, which provides 12 dosings per day per zone or a total of 36 dosings per day.
 - Each zone is 8120 ft², for a total area of 24,360 ft² (0.55 acres) which is more than the 24266 ft2 required for the system.
 - Each zone having a minimum of 4044 lf of drip lines with emitters 2 ft on center.
 - A 4 inch curtain drain will be installed around the drip dispersal fields to help prevent stormwater runoff from impacting the drip dispersal system.

5. <u>OPERATING PERMIT</u>

The facility is currently covered under MOGD00252. Once construction is complete, the facility will qualify for coverage under MOG823. As MOG823 expires August 24, 2022, no permit number has been assigned. Submit the Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(N) and request the operating permit modification be issued. The operating permit modification fee of \$37.50 needs to be paid.

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

Leasue Meyers, EI Engineering Section Leasue.meyers@dnr.mo.gov

John Rustige, P.E. Engineering Section John.rustige@dnr.mo.gov

G	**		
6			

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

APP NO.	CP 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: ☑ 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 subsurface soil absorption 	
 1.5 Is a copy of the appropriate plans* and specifications* included with this application? ✓ YES Denote which form is submitted:	
1.6 Is a summary of design* included with this application? Z YES INO	
 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 priot to public notice? □ YES □ NO 	r
1.8 Is the facility currently under enforcement with the department or the Environmental Protection Agency?	
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	52
Laquey VFW Post 3048 \$ 50,000	
2.3 PROJECT DESCRIPTION New grease interceptor, septic tank, simplex effluent lift station, equalizaton tank and parallel JET 1500CF ATUs and on-site wastewater treatment & subsurface soil absorption drip system will serve the existing VFW post plus a new 20 space RV park that is being installed. The existing discharging extended air WWTF will be abandoned and cleaned.	
Grease interceptor and septic tanks - sludge will be pumped, hauled and disposed by septic licensed haulers and disposal facilities as needed	s
2.5 DESIGN INFORMATION	-
A. Current population: <u>17</u> ; Design population: <u>49</u>	
B. Actual Flow: <u>650</u> gpd; Design Average Flow: <u>2130</u> gpd; Actual Peak Daily Flow: <u>2820</u> gpd; Design Maximum Daily Flow: <u>3650</u> gpd; Design Wet Weather Event: <u>N/A</u>	
2.6 ADDITIONAL INFORMATION	-
A. Is a topographic map attached? 🕑 YES 🔲 NO	3
B. Is a process flow diagram attached? VES NO	
AO 780-2189 (02-19) Page 1 of 3	3





3.0 WASTEWATER TREATMENT FACIL	ITY				
NAME TELEPHONE NUMBER WITH AREA CODE		H AREA CODE	E-MAIL ADDRESS		
ADDRESS (PHYSICAL)	CITY	(573) 705-3108			
26050 Swindell Drive	Richland		MO	65556	Pulaski
Wastewater Treatment Facility: Mo-	(Outfal	I1 Of1)			
3.1 Legal Description: <u>1/4</u> , <u>NE</u> (Use additional pages if construction of mor	1⁄4, <u>SE</u> e than one or	4, Sec. <u>11</u> , T <u>3</u> utfall is proposed.)	5N , R <u>13</u> W	<u> </u>	
3.2 UTM Coordinates Easting (X): 55968 For Universal Transverse Mercator (UTM), 2	0. Northin Zone 15 North	g (Y): <u>41811</u> 75 h referenced to North An	nerican Datum :	1983 (NAD83)	
3.3 Name of receiving streams: N/A, s	subsurface s	soil absorbtion			
4.0 PROJECT OWNER	10 - ²⁰⁰ - 1 - 6			a Maria	
NAME		TELEPHONE NUMBER WITH AREA CODE		E-MAIL ADDRESS	
		(573) 765-3168	07475	vfw3168@cer	turylink.net
26050 Swindell Drive	Richland		MO	65556	
5.0 CONTINUING AUTHORITY: A continu	uing authori	ty is a company, busi	ness, entity or	person(s) that wi	ll be operating the facili
NAME	requirement	TELEPHONE NUMBER WIT	HAREA CODE	E-MAIL ADDRESS	
_aquey VFW post 3048		(573) 765-3168		vfw3168@cer	turylink.net
ADDRESS 26050 Swindell Drive	Richland		MO	ZIP CODE 65556	
5.1 A letter from the continuing authority, if	different th	an the owner is include	led with this a		
5.2 COMPLETE THE FOLLOWING IF THE CONTINUING AUTH	ORITY IS A MIS	SOURI PUBLIC SERVICE COM	MISSION REGULAT	ED ENTITY.	
A. Is a copy of the certificate of convenience	e and nece	ssity included with thi	s application?	TYES 🗖	NO
wastewater treatment facility to the asso C. Is a copy of the as-filed legal instrument included with this application?	ciation inclu (typically the MO	ded with this applicat le plat) that provides t	ion?	S 🗹 NO with valid easen	nents for all sewers
D. Is a copy of the Missouri Secretary of St	ate's nonpr	ofit corporation certific	ate included v	with this application	on? 🗌 YES 🗹 NO
Ferris L. Cates /Integrity Engineering, Inc.		(573)341-2100		terris@integrityeng.com	
ADDRESS	CITY		STATE	ZIP CODE	
2.O. Box 700	Rolla		MO	65402-0700	
7.0 APPLICATION FEE					
CHECK NUMBER 8835		JETPAY CONFIRMATION NU	JMBER		
Supervision in accordance with a system de	signed to as	ssure that qualified pe	d all attachme	ents were prepare	
submitted. Based on my inquiry of the perso gathering the information, the information su aware that there are significant penalties for knowing violations.	on or persor ubmitted is, submitting	is who manage the sy to the best of my know false information, incl	rsonnel prope stem, or those wledge and be uding the pos	riy gather and ev e persons directly elief, true, accurat sibility of fine and	aluate the information of responsible for e, and complete. I am imprisonment for
submitted. Based on my inquiry of the person gathering the information, the information su aware that there are significant penalties for knowing violations.	on or persor ubmitted is, submitting	is who manage the sy to the best of my know false information, incl	rsonnel prope /stem, or those wledge and be uding the pos	riy gather and ev e persons directly elief, true, accurat sibility of fine and	o under my direction o aluate the information responsible for e, and complete. I am imprisonment for
submitted. Based on my inquiry of the perso gathering the information, the information su aware that there are significant penalties for knowing violations. PROJECT OWNER SIGNATURE PRINTED NAME Mark Shea	on or persor ubmitted is, submitting	is who manage the sy to the best of my know false information, incl	rsonnel prope stem, or those wledge and be uding the pos	DATE	o under my direction o aluate the information responsible for e, and complete. I am imprisonment for
submitted. Based on my inquiry of the person gathering the information, the information su aware that there are significant penalties for knowing violations. PROJECT OWNER SIGNATURE PROJECT OWNER SIGNATURE PRINTED NAME Mark Shea ITILE OR CORPORATE POSITION	on or persor ubmitted is, submitting	to the best of my know false information, incl	rsonnel prope rstem, or thos wledge and be uding the pos	DATE DATE DATE E-MAIL ADDRESS	o under my direction o aluate the information responsible for e, and complete. I am imprisonment for
submitted. Based on my inquiry of the perso gathering the information, the information su aware that there are significant penalties for knowing violations. PROJECT OWNER SIGNATURE Mark Shea TITLE OR CORPORATE POSITION Post Commander	on or persor ubmitted is, submitting	to the best of my knov false information, incl TELEPHONE NUMBER WITH 573-528-3405	rsonnel prope stem, or those wiedge and be uding the pos	DATE 10-11-21 E-MAIL ADDRESS Vfw3168@cen	turylink.net
Submitted. Based on my inquiry of the person gathering the information, the information su aware that there are significant penalties for knowing violations. PROJECT OWNER SIGNATURE Mark Shea TITLE OR CORPORATE POSITION Post Commander Mail completed copy to: MISSOUF WATER P P.O. BOX JEFFERS	n or persor ubmitted is, submitting submitting DEPARTI ROTECTIC 176 ON CITY, N	TELEPHONE NUMBER WITH 573-528-3405 MENT OF NATURAL N PROGRAM	rsonnel prope stem, or thos wledge and be uding the pos	DATE 10-11-21 E-MAIL ADDRESS Vfw3168@cen	turylink.net

(02-19)

.