STATE OF MISSOURI DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



GENERAL PERMIT for SEWER EXTENSION CONSTRUCTION

The Missouri Department of N	latural Resources hereby issues a permit to:	
Construction Permit ID: Title of Project: Owner: Address:	MOGC00649 Saige Place Subdivision Rentals LLC 3800 S Fremont Ave Springfield, MO 65804	
	eneral site work appropriate to the scope and purpose of the pro- olete and usable collection system. The construction of this proj- ing Permit ID below:	
County: Polk	Receiving Permit ID: MO0022373	
for the construction of (describ	ped construction project):	
	nstruction of approximately 3,544 lf of 8-inch PVC SDR-35 wit and a design average flow of 25,900 gpd.	th approximately 19
to an existing system to be to	he intersection of S 95th Rd and Division St. in Bolivar, Polk C reated at Bolivar WWTF, MO-0022373. James Bradshaw, Fore LC provided an acceptance letter dated August 4, 2023.	
RSMo, and regulation promulg As the Department does not ex- permit does not include approve	facilities shall be in accordance with the provisions of the Miss gated thereunder, or this permit may be revoked by the Departm namine structural features of design or the efficiency of mechanical of these features. The construction of water pollution control components; it does not	nent of Natural Resources (Department) ical equipment, the issuance of this
September 29, 2023 Issue Date	John Hoke, Director Water Protection Program	
September 28, 2025		

Expiration Date

APPLICABILITY

- 1. This permit authorizes the construction of gravity sewer extensions, force mains, and lift stations. Non-earthen flow equalization storage basins at lift stations and inline storage, which flows back into the lift station or collection system, are also included.
- 2. The Missouri Department of Natural Resources may require a site-specific sewer extension construction permit due to compliance and enforcement actions in accordance with 10 CSR 20-6.010(13)(C).
- 3. This permit does not apply to:
 - A. Earthen storage basins;
 - B. Exempt projects in accordance with 10 CSR 20-6.010(1)(B), 10 CSR 20-6.010(5)(B), and RSMo 644.051 unless requested by the applicant or required by enforcement.

PREREQUISITES:

- 1. The Sewer Extension Construction Permit application, appropriate fee, and documentation in accordance with 10 CSR 20-6.010(5)(G).
- 2. Submit the Sewer Extension Construction Permit application at least sixty (60) days in advance of the start of construction in accordance with 10 CSR 20-6.010(5)(F).
- 3. Submit an electronic copy of the construction permit application and documents to DNR.WPPEngineerSection@dnr.mo.gov in accordance with 10 CSR 20-6.010(5)(G)3.
- 4. The plans and specifications, each signed, sealed, and dated by a professional engineer registered in the State of Missouri in accordance with 10 CSR 20-8 and 10 CSR 20-6.010.
- 5. The Design Certification form, Engineering Report, or Summary of Design, signed, sealed, and dated by a professional engineer registered in the State of Missouri, certifying the design of the system is in accordance with 10 CSR 20-6 and 10 CSR 20-8.
- 6. A statement from the continuing authority, as defined in 10 CSR 20-6.010, accepting the wastewater for treatment and indicating the permitted treatment facility has the available capacity.
- 7. A statement from the continuing authority, as defined in 10 CSR 20-6.010, accepting responsibility for the operation and maintenance of these facilities.

PERMIT CONDITIONS:

- 1. This permit authorizes the activities and scope of work detailed in the plans and specifications submitted with the request.
- 2. The construction must be in accordance with the final plans and specifications received by the Department. Revisions that affect capacity, flow, or system layout must be approved by the Department prior to construction.

PERMIT CONDITIONS: (continued)

- 3. If construction will incorporate minor changes from previously submitted plans and specifications (i.e., changes that do not affect the capacity, flow, or system layout), submit an electronic copy of the as-built plans and specifications in accordance with 10 CSR 20-8.110(11).
- 4. State and Federal Law does not permit bypassing of raw wastewater; therefore, the applicant must take steps 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 regional office per 10 CSR 20-7.015(9)(E) or through the Online Bypass/SSO Reporting service on the Missouri Gateway for Environmental Management (MoGEM) portal found at https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem.

See https://dnr.mo.gov/document-search/missouri-gateway-environmental-management-mogem-frequently-asked-questions-pub2988/pub2988 for more information.

- 5. Protection of drinking water supplies must meet the requirements of 10 CSR 20-8.120(5).
 - A. 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.
 - B. Lay sewers at least 50 feet (50') in a horizontal direction from any existing or proposed public water supply well or other water supply sources or structures.
- 6. Position manholes so that the top access is at or above grade level.
- 7. In addition to the requirements for a construction permit, see 10 CSR 20-6.200 for land disturbance requirements 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. Applicants shall obtain land disturbance permits through the Department's ePermitting system, available online at <a href="https://dnr.mo.gov/data-e-services/water/electronic-permitting-ep

See https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/stormwater/construction-land-disturbance for more information.

8. Entities applying for funding under 10 CSR 20-4, "Grants and Loans" will need to comply with those requirements in addition to the requirements of 10 CSR 20-8.

PERMIT CONDITIONS: (continued)

9. The Department may require a United States (U.S.) Army Corps of Engineers (COE) permit (404) and a Water Quality Certification (401) or a permit waiver for the activities described in this permit. If construction activity will disturb any land below the ordinary high water mark of Jurisdictional Waters of the U.S., then a 404/401 is required. Fulfillment of these requirements is necessary before the permit is considered valid. Since the COE makes determinations on what is jurisdictional, you must contact the COE to determine permitting requirements. You may call the Department's 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.

- 10. If this project eliminates a wastewater treatment facility under the jurisdiction of the Department, then the applicant shall submit a full closure plan with a Facility Closure Request Form, Form MO 780-2512, to the Department's appropriate regional office for review and approval. In accordance with 10 CSR 20-6.010(12), the closure plan must meet the requirements outlined in Standard Conditions Part III of the Missouri State Operating Permit. Closure shall not commence until the Department approves the submitted closure plan.
- 11. If this project is part of a project to resolve an enforcement action or is receiving funding from the Department, submit a <u>statement of work complete</u> following the completion of construction.
- 12. Applicants may submit, prior to the expiration date of this permit, a written request that additional time is needed in accordance with 10 CSR 20-6.010(5)(H)3.

RECEIVED

AUG 28 2023

FOR DEPARTMENT USE ONLY

MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM Water Protection Program WATER PROTECTION PROGRAM

APPLICATION FOR CONSTRUCTION PERMIT -**SEWER EXTENSION**

NOTE ▶ Please Read the accompanying instructions before completing this form					
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:	Pre	oject #:	
1.2 Has the Department of Natural Resources approved the proposed project's engineering report*? ☐ YES Date of Approval: ☐ NO ☐ N/A					
1.3 Is a copy of the appropriate plans* and	specifications* included with th	s application?	☑ YES □ NO		
If the project is using standard specifical	tions, name of community:				
1.4 Is a summary of design* included with the	nis application? 🗹 YES 🗌	NO			
1.5 Is the appropriate fee or JetPay confirmation See Section 7.0	ation included with this applica	tion? 🗹 YES	□NO		
* Must be affixed with a Missouri registered	professional engineer's seal, si	gnature and da	te.		
2.0 PROJECT INFORMATION 2.1 NAME OF PROJECT					
SAIGE PLACE SUBDIVISION					
ADDRESS SOUTH FARM ROAD 95	BOLIVAR	MO STATE	ZIP CODE 65613	POLK	
2.2 Legal Description: 1/4, NW	¼, SE ¼, Sec. 4	, T 33N	, R 23W		
2.3 Project Components (check all that apply ☐ Gravity sewers ☐ Pumping station 2.4 PROJECT DESCRIPTION 3,544 +/- LF OF 8-INCH GRAVITY SANITAR RESIDENTIAL SINGLE FAMILY LOTS 2.5 DESIGN INFORMATION	ns Force mains Alte	ernative sewer s	,	Describe below.) CES FOR 70	
A. Population or number of lots to be served	by this extension: 70 LOTS / 2	259 POP			
B. Estimated flow to be contributed by this extension: Design Average Flow: 25900 gpd Design Peak Hourly Flow: 4440 gph					
C. Industrial Wastes: Type: N/A Flow: gpd					
D. Receiving Sewer: Size: 8 inches Capacity: 420 gpm					
E. Does this project (check all that apply):					
☑ Connect to an existing treatment plant ☐ Resolve enforcement issue ☐ Eliminate or consolidate an existing treatment plant					
F. Estimated number of onsite systems being removed: N/A					
G: Estimated costs associated with piping: \$ 225,000 Estimated costs associated with lift station(s): \$					
3.0 PROJECT OWNER					
NAME RENTALS, LLC	TELEPHONE NUMBER WI 417-839-4611		EMAIL ADDRESS mikes@triplespro	perties.com	
ADDRESS 3800 S FREMONT AVE	CITY 417-839-4611	MO	ZIP CODE 65804		
CHARTER NUMBER (SECRETARY OF STATE) or REGISTERED OF MIKE SEITZ	AGENT	II)	1		

MO 780-1632 (10-22)

4.0 CONTINUING AUTHORITY: A continuing for ensuring compliance with the permit requestion continuing authority should be a relatively purpose when needed, of the permitted facility or achired by the permittee to sample or operate	uirements permanent tivity. A co	and providentity responding and provident in the contraction of the co	de continuous consible for th uthority is not,	stable over e ongoing o however, a	rsight of the permitted facility or activity. The operation, maintenance and modernization, in entity or individual that is contractually	
analytical laboratory. To access the regulate Water Commission Chapter 6. A continuing (SoS's) webpage: Missouri Secretary of Starequired to register with the SoS.	ory require authority's	ment rega s name mu	rding continui	ng authority actly as it a	v. 10 CSR 20-6.010(2), please visit <u>Clean</u> appears on the Missouri Secretary of State	
NAME LIBERTY UTILITIES OF BOLIVAR		417-626	NE NUMBER WITH A	AREA CODE	EMAIL ADDRESS james.bradshaw@libertyutilities.com	
ADDRESS	CITY	417-020	-3000	STATE	ZIP CODE	
212 N OAKLAND	BOLIVA	R		МО	65613	
CHARTER NUMBER (SECRETARY OF STATE)						
4.1 Has appropriate continuing authority accept A letter from the continuing authority accept different than the original owner of the const Treatment Facility Acceptance" Form 780-25	ing respon truction), o	sibility for a	continued mai	ntenance o	f the sewer (if the continuing authority is authority and Receiving Wastewater	
5.0 ENGINEER ENGINEER NAME / COMPANY NAME		TELEPHON	E NUMBER WITH A	REA CODE	EMAIL ADDRESS	
Chris Wynn / CJW TRANSPORTATION CON		417-889-	-3400		cwynn@gocjw.com	
ADDRESS 5051 S NATIONAL AVE. STE 7A	SPRING	FIELD		MO MO	ZIP CODE 65810	
6.0 RECEIVING WASTEWATER TREATME	NT FACIL					
NAME LIBERTY UTILITIES (MISSOURI WATER), L	LC	417-327-	E NUMBER WITH AI 2763	REA CODE	EMAIL ADDRESS matthew.morris@libertyutilities.com	
MISSOURI STATE OPERATING PERMIT # MO-0022373		COUNTY	COUNTY		REMAINING CAPACITY (GPD) 1100000	
6.1 If different from the owner, has a letter be accept the expanded flow or has a properly of MO 780-2584 form been provided?	executed (S	Continuing D N/A	Authority and	Receiving	Wastewater Treatment Facility Acceptance	
6.2 A letter from the receiving wastewater tre ☐ YES ☐ NO ☑ N/A						
6.3 If the receiving treatment plant or continu Certificate of Convenience and Necessity has	ing author s been rec	ity is regul eived?	ated by the Pu ☑ Yes – Date:		e Commission (PSC) for sewer activities, a	
OPTIONAL QUESTIONS REGARDING MILI						
Have you or an immediate family member even U.S. Armed Forces?			□ Ye	es	☑ No	
If yes, would you like information about military-related so in Missouri?		services	☐ Ye	es	☑ No	
7.0 Application Fee						
Check Number				JetPay Confirmation Number 20046034		
8.0 PROJECT OWNER: I certify under penalts supervision in accordance with a system desisubmitted. Based on my inquiry of the person gathering the information, the information subaware there are significant penalties for submiviolations.	gned to as or person mitted is, t	sure quali s who mar to the best	fied personne hage the syste of my knowle	I properly gam, or those dge and be	ather and evaluate the information e persons directly responsible for lief, true, accurate and complete, I am	
PROJECT OWNER SIGNATURE						
PRINTED NAME Mike Seitz					DATE 8-24-2023	
TITLE OR CORPORATE POSITION TELEPHONE NUMBER WITH ARE			EA CODE	EMAIL ADDRESS		
Owner		417-839-4	611		mikes@triplesproperties.com	
Mail completed copy to: Submit completed ele			ompleted electronic copy to:			
MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM PO BOX 176 JEFFERSON CITY, MO 65102-0176			Missouri Department of Natural Resources at DNR.WPPEngineerSection@dnr.mo.gov			

MO 780-1632 (10-22)

		DESIGN CERTIFICATION: Answer all questions yes or N/A. Answer N/A only if the question is of the proposed sewer extension.	clearly	not
app.	REGULATION		YES	N/A
1.	8.110(3)(A)	Is the design flow based on actual flow data for an existing system?	V	
2.	8.110(3)(B)	Are average design flows, peak hourly flows and I&I contributions for new systems calculated?	V	
3.	8.110(9)(B)	Is there a detailed plan showing tributary area, boundaries, pertinent elevations, topography, existing and proposed facilities?	V	
4.	8.120(2)	Does the sewer exclude water from roofs, streets, groundwater from foundation drains and combined wastewater?	V	
5.	8.120(3)(A)	Is the pipe installation, embedment and backfill designed to prevent damage to the pipe and its joints?	V	
6.	8.120(3) (A)1	Is all sewer pipe constructed with a slope to obtain mean velocities of not less than 2 feet per second?	V	
7.	8.120(3)(A)2	Is the pipe covered with at least 36" of soil or sufficiently insulated to prevent freezing?		
8.	8.120(3)(B)	Is deflection testing specified to ensure no pipe exceeds a deflection of 5% of the inside diameter?	V	
9.	8.120(4)(A)	Are manholes located at the end of each line, at all changes in grade, size or alignment and at all intersections?	V	
10.	8.120(4)(C)	Are manholes at least 42 inches in diameter with a clear opening of 22 inches on sewer line larger than 8"?	V	
11.	8.120(4)(C)	Where cleanouts are used at the end of a lateral instead of a manhole, they are a minimum diameter of 8 inches or larger and equal to the diameter for pipes < 8"?	V	
12.	8.120(4)(E)	Are the manholes watertight, constructed and installed in accordance with the manufacturer's recommendations and procedures?	V	
13.	8.120(4)(F)	Do the specifications include a requirement for inspection and testing for manholes?	V	
14.	8.120(5)(A)	Is the sewer free from physical connections to a potable water supply system and no water pipes come in contact with a sewer manhole?		
15.	8.120(5)(B)	Are sewers and manholes located at least 50 feet horizontally from any existing or proposed water supply well, sources, structures?	V	
10.0	PRESSURE SEWE	RS, GRINDER PUMP, STEP AND STEG SEWER CHECKLIST		
	REGULATION		YES	N/A
16.	8.125(5)(A)1.	Does the cleaning velocity of ≥ 2 ft/s happen more than once per day?		V
17.	8.125(5)(A)2.	Is the diameter of the pressure sewer main pipe at least 1.5"?		V
18.	8.125(5)(B)	Are appurtenances compatible with the piping system?		V
19.	8.125(5)(B)2.	Are isolation valves located: upstream of major pipe intersections; both sides of stream, bridge and RR crossings; at terminal end of system?		V
20.	8.125(5)(C)	Do service line pipes have a minimum diameter of 1.25"?		V
21.	8.125(5)(D)1.A	Do simplex grinder pump stations service only a single equivalent dwelling unit (EDU)? i.e. 1 residence – 1 grinder pumpt.		V
22.	8.125(5)(D)1.B	Are multiple unit pump stations owned, operated and maintained by an approved continuing authority?		V
23.	8.125(5)(D)3.	Is there at least 70 gallons of storage in the grinder pump unit?		V
24.	8.125(5)(D)4.	Do grinder pump stations have shutoff valves, check valves and anti-siphon valves (where siphoning could occur) that are accessible from the ground surface?		V
25.	8.125(5)(D)7., 8.130(3)(B)2.	Are units serviceable and replaceable under wet conditions without electrical hazard and is electrical equipment suitable for hazardous locations (National Electrical Code, Class I, Group D, Division 1 location)?		V
26.	8.125(5)(D)8., 8.125(2)(F)6.	Are provisions in place to avoid interruption of service due to mechanical or power failure by providing standby power, storage capacity, or interconnection with another disposal system?		V
27.	8.125(6)(D)	In a STEP system is at least one septic tank (1,000 gallons or more) provided for each EDU with 20% of tank volume dedicatied to freeboard and ventillation?		V
28.	8.125(6)(F)	Are duplex pumps provided for the design flow of 1,500 gallons or greater?	П	V

11.0 PUMP STATION CHECKLIST							
	REGULATION					YES	N/A
29.	8.125(7)(C)				STEG sewer at least 4"?		V
30.	8.130(2)(A) 8.140(2)(B)	Is the pump station designed to withstand the 100-year flood?				~	
31.	8.130(3)(A)	Is the dry well completely separate from the wet well and is a suitable and safe means of access provided to each?				V	
32.	8.130(3)(B)	If the design flow provided?	is 1,500 gpd or more,	are there at least 2 pur	nps or pneumatic ejectors		~
33	8.130(3)(D)	Are valves locate	d outside wet well unle	ss integral to a pump of	or its housing?		V
34.	8.130(3)(F) 8.140(8)(J)	Do wet and dry w	ells have separate ver	tilation systems?			V
35.	8.130(3)(G)	Does all potable	water brought to pump	stations comply with 8	.140(7)(D)?		V
36.	8.130(6)		m provided with uninte				V
37.	8.130(7)(A)	Is there 2 hours retention of the p	etention of the peak ho	ourly flow for a design flesign flow < 100,000 gr	low > 100,000 gpd or 4 hrs		V
38.	8.130(7)(B)	Are there indeper		provided for emergen	cy power capable of starting		V
39.	8.130(8)(A)		velocity of ≥ 2 ft/s mair				V
40.	8.130				ions provided that include		V
		necessary?	dures, maintenance so	medules, special tools	and spare parts that may be		
12.0 S	UCTION LIFT PU		SIBLE PUMP STATIC	N CHECKLIST			
	REGULATION					YES	N/A
41.	8.130(4)			ning or vacuum priming	· · · · · · · · · · · · · · · · · · ·		V
42.	8.130(4)(A)	Is the combined total of dynamic suction lift at the "pump off" elevation and required net positive suction head at design operating conditions less than or equal to 22 feet?				V	
43.	8.130(4)(B)	Are there dual va	cuum pumps capable o	of removing air from the	e suction lift pump?		V
44.	8.130(5)(A)	Are submersible			hout personnel entering, or		
13.0 S	EWER EXTENSION		CERTIFICATION STA	TEMENT			
For any questions answered "N/A" provide an explanation. Also provide any useful general comments regarding design for review engineer. OF MISSOURI CHRIS WYNN CHRIS WYNN Missouri Professional Engineer's seal, signature and date: PE-2022001667 P2-24-23 Name: Chris Wynn P.E. / SJW TRANSPORTATION CONSULTANTS, LLC. Address: 5051 S NATIONAL AVE STE 7A							
City: S	PRINGFIELD		State: MO		ZIP Code: 65810		
Telephone Number with Area Code: 417-889-3400 Email: cwynn@gocjw.com							

Payment Receipt

noreply@ncr.com <noreply@ncr.com>
Thu 8/24/2023 9:54 AM
To:Chris Wynn <cwynn@gocjw.com>

1 attachments (12 KB) Logo;

Misser

Missouri: Natural Resources

Payment Receipt

Thank You for Your Payment

Please save this Confirmation Number for your personal records.

Customer Name

Casper J Wynn

Effective Date

8/24/2023 9:54 AM Central Standard Time

Confirmation Number

20046034

Payment Method	Amount		
Visa ***** 3963	\$306.25		
ltem	Payment		
WP 04 Construction Permits	\$300.00		
Transaction Fee:	\$6.25		
Total Amount Paid:	\$306.25		

Payment Details

WP 04 Construction Permits

Wastewater Permit Number: CP - Facility/Project Name: Saige Place Subdivision - Casper J Wynn - \$300.00

A Transaction Fee has been included in the total amount paid for this transaction.