

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

R&R Enterprises 271 NW County Rd H Warrensburg, MO 64093
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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.

September 22, 2021
Effective Date

Edward B. Galbraith
Edward B. Galbraith, Director, Division of Environmental Quality

September 21, 2023
Expiration Date

Chris Wieberg
Chris Wieberg, Director, Water Protection Program

CONSTRUCTION PERMIT

Construction and installation of a duplex lift station with each pump capable of operating at approximately 100 gallons per minute (gpm) at 50 feet of total dynamic head (TDH), a permanent natural gas generator, an earthen overflow basin with an effective volume of approximately 2,300 cubic feet to provide a minimum retention of 4 hours holding at peak design flow, and all necessary appurtenances to make a complete and usable lift station to serve 59 single family homes with an estimated design average flow of 23,600 gallons per day. The project will also include general site work appropriate to the scope and purpose of the project.

Project is in the vicinity of 440 SE County Rd. DD, Johnson County and discharges to an existing collection system to be treated at PWSD 3 of Johnson County WWTF, MO-0137600. David Streeter, General Manager, with PWSD 3 of Johnson County provided an acceptance letter dated January 26, 2021.

This permit supplements the construction permit MOGSE0147 issued February 19, 2021, which approved the entire collection system including gravity sewer mains, lift station and force main. This permit approves a modified method of emergency storage at the lift station.

PERMIT CONDITIONS:

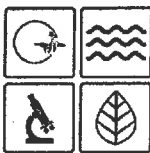
1. The department must be contacted in writing prior to making any changes to the approved plans and specifications that would directly or indirectly have an impact on the capacity, flow, system layout, or reliability of the proposed wastewater treatment facilities or any design parameter that is addressed by 10 CSR 20-8, in accordance with 10 CSR 20-8.110(11).
2. A soil evaluation was completed by GEOTECHNOLOGY, Inc., dated July 26, 2021, and submitted with the application for construction permit. The construction recommendations for the emergency storage basin shall be followed as detailed in the geotechnical engineering report.
3. State and federal law does not permit bypassing of raw wastewater, therefore steps must be taken to ensure that raw wastewater does not discharge during construction. If a sanitary sewer overflow or bypass occurs, report the appropriate information to the department's Kansas City Regional Office per 10 CSR 20-7.015(9)(G).
4. This construction permit is invalid for projects required to comply with the requirements contained in 10 CSR 20-4, "Grants and Loans".
5. Protection of drinking water supplies shall be in accordance with 10 CSR 20-8.120(5). "There shall be no physical connections between a public or private potable water supply system and a sewer, or appurtenance thereto which would permit the passage of any wastewater or polluted water into the potable supply. No water pipe shall pass through or come in contact with any part of a sewer manhole."

- A. Sewers in relation to water works structures shall meet the requirements of 10 CSR 23-3.010 with respect to minimum distances from public water supply wells or other water supply sources and structures.
 - B. Sewer mains shall be laid at least 10 feet horizontally from any existing or proposed water main. The distances shall be measured edge-to-edge. In cases where it is not practical to maintain a 10 foot separation, the department may allow a deviation on a case-by-case basis, if supported by data from the design engineer. Such a deviation may allow installation of the sewer closer to a water main, provided that the water main is in a separate trench or on an undisturbed earth shelf located on either side of the sewer and at an elevation so the bottom of the water main is at least 18 inches above the top of the sewer. If it is impossible to obtain proper horizontal and vertical separation as described above for sewers, the sewer must be constructed of slip-on or mechanical joint pipe or continuously encased and be pressure tested to 150 pounds per square inch to assure water tightness.
 - C. Manholes shall be located with the top access at or above grade level.
 - D. Manholes should be located at least 10 feet horizontally from any existing or proposed water main.
 - E. Sewers crossing water mains shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. The crossing shall be arranged so that the sewer joints will be equidistant and as far as possible from the water main joints. Where a water main crosses under a sewer, adequate structural support shall be provided for the sewer to maintain line and grade. When it is impossible to obtain proper vertical separation as stipulated above, one of the following methods must be specified:
 - 1) The sewer shall be designed and constructed equal to the water pipe and shall be pressure tested to assure water tightness prior to backfilling; or
 - 2) Either the water main or sewer line may be continuously encased or enclosed in a watertight carrier pipe which extends 10 feet on both sides of the crossing, measured perpendicular to the water main. The carrier pipe shall be of materials approved by the department for use in water main construction.
6. 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.

7. 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 <https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/section-401-water-quality> for more information.
8. Upon completion of construction, PWSD #3 of Johnson County will become the continuing authority for operation, maintenance, and modernization of these facilities.

Andrew Appelbaum, P.E.
Engineering Section
andy.appelbaum@dnr.mo.gov



RECEIVED

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEE RECEIVED \$ 300.00	CHECK NO. 1086
DATE RECEIVED 8-3-21	

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: _____ Project #: _____
- 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 this application? YES NO
- 1.4 Is a summary of design* included with this application? YES NO
- 1.5 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

Meadow Creek

ADDRESS	CITY	STATE	ZIP CODE	COUNTY
440 SE County Road DD	Warrensburg	MO	64093	Johnson

2.2 Legal Description: ¼, ¼, SE ¼, Sec. 27, T 46, R 25

2.3 Project Components (check all that apply):

- Gravity sewers
- Pumping stations
- Force mains
- Alternative sewer system
- Other (Describe below.)

2.4 PROJECT DESCRIPTION

Construction of a 59 lot residential subdivision. The sanitary sewer portion of the infrastructure includes two gravity lines feeding into a lift station with a force-main transporting sewage to the treatment facility on the adjacent property to the west. The gravity system includes 12- 4 foot diameter manholes, 2932 lf of 8" PVC pipe, 59 services wyes/4" service stubs. the lift station is a 6 foot diameter manhole with twin, 7.5 hp submersable pumps with control panel, telemetry and back up generator. The force-main is 2275 lf of 4" pvc pipe to the connection point at the treatment facility. Design average daily flow is 23,600gpd and peak hour flow of 3933 gph.

2.5 DESIGN INFORMATION

- A. Population or number of lots to be served by this extension: 59
- B. Estimated flow to be contributed by this extension: Design Average Flow: 23.6k gpd Design Peak Hourly Flow: 3933 gph
- C. Industrial Wastes: Type: N/A Flow: N/A gpd
- D. Receiving Sewer: Size: 6 -FM inches Capacity:300 gpm

3.0 PROJECT OWNER

NAME	TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS
Martin Robbins- R & R Enterprises of JOCOMO, LLC	660-909-6150	cmksrobbins@gmail.com

ADDRESS	CITY	STATE	ZIP CODE
271 NW County Road H	Warrensburg	MO	64093

4.0 CONTINUING AUTHORITY: A continuing authority is a company, business, entity or person(s) that will be operating the facility or ensuring compliance with the permit requirements. A continuing authority is not, however, an entity or individual that is contractually hired by the permittee to sample or operate and maintain the system for a defined time period, such as a certified operator or analytical laboratory. To access the regulatory requirement regarding continuing authority, 10 CSR 20-6.010(2), please visit https://s1.sos.mo.gov/cmsimages/adrules/csr/current/10csr/10c20-6.pdf. A continuing authority's name must be listed exactly as it appears on the Missouri Secretary of State's (SoS's) webpage. https://bsd.sos.mo.gov/BusinessEntity/BESearch.aspx?SearchType=0, unless the continuing authority is an individual(s), government, or otherwise not required to register with the SoS.

NAME	TELEPHONE NUMBER WITH AREA CODE	EMAIL ADDRESS
Public Water Supply District 3	660-429-2494	david@pwsd3.com

ADDRESS	CITY	STATE	ZIP CODE
106 SE 421 Road	Warrensburg	MO	64093

4.1 A letter from the continuing authority or the Continuing Authority and Receiving Wastewater Treatment Facility Acceptance form, if different than the owner, is included with this application. YES NO N/A

5.0 ENGINEER			
ENGINEER NAME / COMPANY NAME Kevin Sterrett/ Hg Consult, Inc.		TELEPHONE NUMBER WITH AREA CODE 816-703-7098	EMAIL ADDRESS ksterrett@hgcons.com
ADDRESS 1411 NE Todd George Road	CITY Lee's Summit	STATE MO	ZIP CODE 64086
6.0 RECEIVING WASTEWATER TREATMENT FACILITY			
NAME PWSD 3 Treatment Facility		TELEPHONE NUMBER WITH AREA CODE 660-429-2494	EMAIL ADDRESS david@pwsd3.com
MISSOURI STATE OPERATING PERMIT # MO0137600		REMAINING CAPACITY (GPD) 47,500	
6.1 Has the receiving treatment facility agreed to accept the additional wastewater flow? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
6.2 A letter from the receiving wastewater treatment facility, if different than the continuing authority, is included with this application. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A			
7.0 Application Fee			
<input checked="" type="checkbox"/> Check Number		<input type="checkbox"/> JetPay Confirmation Number	
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 Martin Robbins- R&R Enterprises of JOCOMO, LLC		DATE 8-2-21	
TITLE OR CORPORATE POSITION Owner/Developer	TELEPHONE NUMBER WITH AREA CODE 660-909-6150	EMAIL ADDRESS cmksrobbins@gmail.com	
Mail completed copy to:		MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM P.O. BOX 176 JEFFERSON CITY, MO 65102-0176	