

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



GENERAL PERMIT for SEWER EXTENSION CONSTRUCTION

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

Construction Permit ID: MOGC00799
Title of Project: DCSD, Hopewell Road WWTF
Owner: Duckett Creek Sanitary District
Address: 3550 Highway K
O'Fallon, MO 63368

The project will also include general site work appropriate to the scope and purpose of the project and will include all the necessary appurtenances to make a complete and usable collection system. The construction of this project will be in the vicinity of the county below and discharge to Receiving Permit ID below:

County: St. Charles Receiving Permit ID: MO0136425

for the construction of (described construction project):

East Influent Sewer - Construction of 63 lf of 18-inch PVC SDR-26, 3570 lf of 30-inch PVC SDR-26, 43 lf of 30-inch PVC SDR-26 in 48-in steel casing, and 368 lf of 30-inch ductile iron gravity sewer lines; 15 manholes, 1 influent structure; and 1 existing tie-in connection. This construction will connect existing sewer lines to the new Treatment Plant 4. There is no flow for this project; all future influent will be accounted for in other projects as they are developed.

Project is in the vicinity of Hopewell Road and Tanis Lee Lane in O'Fallon, St. Charles County. Duckett Creek Sewer District is the project owner and continuing authority. This is a reissuance of MOGSE0430.

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. This permit applies only to the construction of water pollution control components; it does not apply to other environmentally regulated areas.

September 26, 2024
Issue Date


John Hoke, Director
Water Protection Program

September 25, 2026
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 <https://dnr.mo.gov/data-e-services/water/electronic-permitting-epermitting>.

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

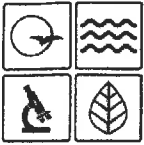
8. Entities applying for funding under 10 CSR 20-4, "Grants and Loans" will need to comply with those requirements in addition to the requirements of 10 CSR 20-8.

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 [statement of work complete](#) 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.



MISSOURI DEPARTMENT OF NATURAL RESOURCES
 WATER PROTECTION PROGRAM
APPLICATION FOR CONSTRUCTION PERMIT
SEWER EXTENSION

RECEIVED
 OCT 03 2022

| FOR DEPARTMENT USE ONLY | |
|------------------------------------|--------------------|
| APP NO. | CP NO. |
| FEE RECEIVED 300. ⁰⁰ | CHECK NO. 68276 |
| DATE RECEIVED 10.3.22 MH | |

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
 Treatment Plant 4 - East Influent Sewer

| ADDRESS | CITY | STATE | ZIP CODE | COUNTY |
|-----------------------------------|----------|-------|----------|-------------|
| Near Hopewell Road & Tanis Lee Ln | O'Fallon | MO | 63368 | St. Charles |

2.2 Legal Description: SW ¼, ¼, ¼, Sec. 17, T 46N, R 2E

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 new gravity sanitary sewer to serve the District's new Wastewater Treatment Facility #4. Construction consists of 63 feet of 18" PVC pipe, 3,570 feet of 30" PVC pipe, 43 feet of 30" PVC pipe in 48" steel casing, 368 feet of 30" ductile iron pipe; installation of 15 new manholes; installation of 1 influent structure, seeding and fertilization; and 1 existing tie-in connections. The construction also includes one creek crossing at Dardenne Creek and one road crossing (bored and jacked) at Hopewell Road.

2.5 DESIGN INFORMATION

A. Population or number of lots to be served by this extension: 21000 PE (future)

B. Estimated flow to be contributed by this extension: Design Average Flow: 2.1M gpd Design Peak Hourly Flow: 0.35M gph

C. Industrial Wastes: Type: N/A Flow: N/A gpd

D. Receiving Sewer: Size: 42 inches Capacity: 14320 gpm

3.0 PROJECT OWNER

| NAME | TELEPHONE NUMBER WITH AREA CODE | EMAIL ADDRESS | |
|---------------------------------|---------------------------------|---------------------------|----------|
| Duckett Creek Sanitary District | 636-441-1244 | arbuckle@duckettcreek.com | |
| ADDRESS | CITY | STATE | ZIP CODE |
| 3550 State Highway K | O'Fallon | MO | 63368 |

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 | |
|---------------|---------------------------------|---------------|----------|
| Same As Above | | | |
| ADDRESS | CITY | STATE | ZIP CODE |
| | | | |

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 Heather Gipp / Crawford, Murphy, and Tilly | | TELEPHONE NUMBER WITH AREA CODE 314-436-5500 | EMAIL ADDRESS hgipp@cmtengr.com |
| ADDRESS 1 Memorial Dr. #500 | CITY St. Louis | STATE MO | ZIP CODE 63102 |
| 6.0 RECEIVING WASTEWATER TREATMENT FACILITY | | | |
| NAME DCSD Treatment Plant # 4 | | TELEPHONE NUMBER WITH AREA CODE TBD | EMAIL ADDRESS arbuckle@duckettcreek.com |
| MISSOURI STATE OPERATING PERMIT # MO-0136425 | | REMAINING CAPACITY (GPD) 2,500,000 | |
| 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 type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A | | | |
| 7.0 Application Fee | | | |
| <input checked="" type="checkbox"/> Check Number 068276 <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 Keith Arbuckle | | DATE 9/20/22 | |
| TITLE OR CORPORATE POSITION Executive Director | | TELEPHONE NUMBER WITH AREA CODE 636-441-1244 | EMAIL ADDRESS arbuckle@duckettcreek.com |
| Mail completed copy to: MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM P.O. BOX 176 JEFFERSON CITY, MO 65102-0176 | | | |