

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: MOGC00114  
Title of Project: Villas at Williams Creek Lift Station  
Owner: Northeast Public Sewer District  
Address: 1041 Gravois Road  
Fenton, MO 63026

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: Jefferson                      Receiving Permit ID: MO0128490

for the construction of (described construction project):

Construction of approximately 165 lf of 8-inch PVC SDR-35 gravity sewer with 3 manholes, 1,483 lf of 2-inch PVC SDR-21 Class 200 force mains with cleanouts and air release valves, 1 duplex grinder pump station with each pump capable of operating at 22 gpm at 110.0 feet of TDH, to serve 51 PE and a design average flow of 3,825 gpd. The grinder pump units and the concrete storage tank have a 4,294 gallon capacity. Design flow based on 75 gpcd which is greater than the actual flow records of 50 gpcd.

Project is in the vicinity of Williams Creek Rd and Royal Oaks Dr. in High Ridge, Jefferson County and discharges to an existing system to be treated at Saline Creek WWTF, MO-0128490. Mr. Dennis Arnold with Northeast Public Sewer District provided an acceptance letter dated April 18, 2016.

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.

May 02, 2016  
Issue Date

  
Sara Parker Pauley, Director  
Department of Natural Resources

May 01, 2018  
Expiration Date

  
John Madras  
Director, Water Protection Program

## **APPLICABILITY**

1. This permit authorizes the construction of gravity sewer extensions, force mains, and lift stations. Storage basins, considered part of the collection system, are also included. Earthen basins are not included under this General Sewer Extension Construction permit.
2. A Sewer Extension Construction Permit may be required by the department due to compliance and enforcement actions.
3. This permit does not apply to:
  - A. Earthen storage basins;
  - B. Projects located within an Approved Sewer Program. These include the City of Blue Springs, City of Columbia, City of Kansas City, City of Jefferson City, City of Joplin, City of Lebanon, City of Springfield, City of St. Peters, Duckett Creek Sewer District, and Metropolitan St. Louis Sewer District;
  - C. Projects funded by the Department of Natural Resources;
  - D. Projects that substantially deviate from the Design Guides in 10 CSR 20-8; and
  - E. Exempt projects unless requested by the applicant or required by enforcement.

## **PREREQUISITES:**

1. The General Sewer Extension Construction Permit application, appropriate fee, and a schedule for construction with the date on which construction will begin and anticipated completion date.
2. The engineering report, as required, plans and specifications each signed and sealed by a professional engineer registered in the State of Missouri. A Summary of Design is an acceptable substitute for the engineering report required by this permit prerequisite.
3. The Design Certification form signed and sealed by a professional engineer registered in the State of Missouri certifying the design of the system was done in accordance with 10 CSR 20-6 and 10 CSR 20-8.
4. A statement from the continuing authority was received accepting the wastewater for treatment.
5. A statement from the continuing authority was received accepting the responsibility for operation, maintenance, and modernization of these facilities

## **PERMIT CONDITIONS:**

1. Contact the department's appropriate regional office 48 hours prior to starting construction. Contact information can be found at <http://dnr.mo.gov/regions/regions.htm>.
2. This permit authorizes the activities and scope of work detailed in the plans and specifications submitted with the request.
3. The construction must be in accordance with the design certification stating the plans and specifications comply with 10 CSR 20-6 and 10 CSR 20-8.

## **PERMIT CONDITIONS: (continued)**

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 regional office per 10 CSR 20-7.015(9)(E)2.
5. Protection of drinking water supplies shall be in accordance with 10 CSR 20-8.120(10).  
"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 ten feet (10') 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 ten foot (10') 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 ten feet (10') 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 ten feet (10') 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.

## PERMIT CONDITIONS: (continued)

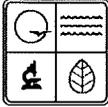
6. In addition to the requirements for a construction permit, 10 CSR 20-6.200 requires land disturbance activities of one acre or more to obtain a Missouri State Operating Permit to discharge stormwater. The permit requires Best Management Practices sufficient to control runoff and sedimentation to protect waters of the state. Land disturbance permits will only be obtained by means of the department's ePermitting system available online at [www.dnr.mo.gov/env/wpp/epermit/help.htm](http://www.dnr.mo.gov/env/wpp/epermit/help.htm).

See [www.dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm](http://www.dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm) 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 [www.dnr.mo.gov/env/wpp/401/](http://www.dnr.mo.gov/env/wpp/401/) for more information.

8. If this project eliminates a wastewater treatment facility, then a full closure plan shall be submitted to the department's appropriate regional office for review and approval of any permitted wastewater treatment system being replaced. In accordance with 10 CSR 20-6.010(12), the closure plan must meet the requirements outlined in Standard Conditions Part III, Section I, of the Missouri State Operating Permit. Closure shall not commence until the submitted closure plan is approved by the department. Form J – Request for Termination of a State Operating Permit, shall be submitted to the department's appropriate Regional Office for termination of any existing Missouri State Operating Permit, once closure is completed in accordance with the approved closure plan.
9. Submit a Statement of Work Completed Form to the department following completion of construction. Submit an electronic copy of the as built plans if the project was not constructed in accordance with previously submitted plans and specifications.



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

*WSPB*  
*NO fee Attached*  
*8/15/16*  
*SB*

RECEIVED  
 AUG 25 2016

Water Protection Program

|   |                           |  |                          |
|---|---------------------------|--|--------------------------|
| <b>1. PROJECT INFORMATION</b>   |                           |  |                          |
| NAME OF PROJECT<br><i>Villas at Williams Creek Lift Station</i>   |                           | CONSTRUCTION PERMIT<br><i>MOGC00114</i>                |                          |
| LOCATION OF THE PROJECT<br><i>Jefferson County</i>  |                           |  |                          |
| BRIEF DESCRIPTION OF THE PROJECT<br><i>Approximately 165 LF of 8" PVC SDR-35 gravity sewer w/ 3 man holes, 1483 LF of 2" PVC SDR-21 class 200 force main w/ cleanouts &amp; air release valves, 1 duplex grinder pump station capable of operating @ 22 gpm @ 110' TDH</i>  |                           |  |                          |
| RECEIVING TREATMENT FACILITY NAME<br><i>Saline Creek Regional WWT F</i>   |                           | MISSOURI STATE OPERATING PERMIT #<br><i>MO0128490</i>  |                          |
| ANTICIPATED DATE OF TRANSFER IN OWNERSHIP   |                           |  |                          |
| <b>2. CURRENT PROJECT OWNER</b>   |                           |  |                          |
| NAME<br><i>Villas @ Williams Creek HOA</i>  |                           | TELEPHONE NUMBER WITH AREA CODE<br><i>636 239 4041</i> |                          |
| ADDRESS<br><i>PO Box 269</i>  | CITY<br><i>Washington</i> | STATE<br><i>MO</i>                                     | ZIP CODE<br><i>63020</i> |
| <b>3. CURRENT CONTINUING AUTHORITY</b>  |                           |  |                          |
| NAME<br><i>Northeast Public Sewer District</i>  |                           | TELEPHONE NUMBER WITH AREA CODE<br><i>636-343-5090</i> |                          |
| ADDRESS<br><i>1041 Gravois Rd</i>   | CITY<br><i>Fenton</i>     | STATE<br><i>MO</i>                                     | ZIP CODE<br><i>63026</i> |
| <b>4. CURRENT ENGINEER</b>  |                           |  |                          |
| NAME<br><i>Cochran Eng.</i>   |                           | TELEPHONE NUMBER WITH AREA CODE<br><i>636 584 0540</i> |                          |
| ADDRESS<br><i>530A E. Independence</i>  | CITY<br><i>Union</i>      | STATE<br><i>MO</i>                                     | ZIP CODE<br><i>63084</i> |
| <b>5. CURRENT PROJECT OWNER:</b> I certify that I am familiar with the information given above, that to the best of my knowledge and belief such information is true, complete and accurate, and until transfer approval, I agree to continue to abide by the Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available under the Missouri Clean Water Law, of the Missouri Clean Water Commission. |                           |  |                          |
| SIGNATURE<br><i>Joe Klah</i>  |                           |  |                          |
| PRINT NAME<br><i>Joe Klah</i>   |                           | DATE<br><i>8-15-16</i>                                 |                          |
| TITLE<br><i>Villas @ Williams Creek HOA Trustee</i>   |                           | TELEPHONE NUMBER WITH AREA CODE<br><i>636239 4041</i>  |                          |
| <b>6. FUTURE PROJECT OWNER</b>  |                           |  |                          |
| NAME<br><i>Northeast Public Sewer District</i>  |                           | TELEPHONE NUMBER WITH AREA CODE<br><i>636-343-5090</i> |                          |
| ADDRESS<br><i>1041 Gravois Rd</i>   | CITY<br><i>Fenton</i>     | STATE<br><i>MO</i>                                     | ZIP CODE<br><i>63026</i> |
| <b>7. FUTURE CONTINUING AUTHORITY</b>   |                           |  |                          |
| NAME<br><i>Northeast Public Sewer District</i>  |                           | TELEPHONE NUMBER WITH AREA CODE<br><i>636-343-5090</i> |                          |
| ADDRESS<br><i>1041 Gravois Rd</i>   | CITY<br><i>Fenton</i>     | STATE<br><i>MO</i>                                     | ZIP CODE<br><i>63026</i> |

|   |                       |  |                          |
|---|-----------------------|--|--------------------------|
| <b>8. FUTURE ENGINEER</b>   |                       |  |                          |
| NAME<br><i>Northeast Public Sewer District - Bob Hembrook</i>   |                       | TELEPHONE NUMBER WITH AREA CODE<br><i>636-343-5090</i> |                          |
| ADDRESS<br><i>1041 Gravois Road</i>   | CITY<br><i>Fenton</i> | STATE<br><i>MO</i>                                     | ZIP CODE<br><i>63026</i> |
| <b>9. FUTURE PROJECT OWNER:</b> I certify that I am familiar with the information given above, that to the best of my knowledge and belief such information is true, complete and accurate, and upon transfer approval, I agree to abide by the Missouri Clean Water Law and all rules, regulations, orders and decisions, subject to any legitimate appeal available under the Missouri Clean Water Law, of the Missouri Clean Water Commission. |                       |  |                          |
| SIGNATURE<br><i>Bob Hembrook</i>  |                       |  |                          |
| PRINT NAME<br><i>Bob Hembrook</i>   |                       | DATE<br><i>8-18-16</i>                                 |                          |
| TITLE<br><i>Executive Director</i>  |                       | TELEPHONE NUMBER WITH AREA CODE<br><i>636-343-5090</i> |                          |
| Mail completed copy to:<br>MISSOURI DEPARTMENT OF NATURAL RESOURCES<br>WATER PROTECTION PROGRAM<br>P.O. BOX 176<br>JEFFERSON CITY, MO 65102-0176  |                       |  |                          |

MO 780-2156 (04-12)

### INSTRUCTIONS FOR COMPLETETING APPLICATION FOR TRANSFER OF CONSTRUCTION PERMIT

All blanks must be filled in when the application is submitted to the Department of Natural Resources. This includes both required signatures.

"Until the time the permit is officially transferred, the original permittee remains responsible for complying with the terms and conditions of the existing permit", per 10 CSR 20-6.010(11)(A). The department, within thirty (30) days of receipt of this application, shall notify the new applicant of its intent to revoke and reissue or transfer the permit. See 10 CSR 20-6.010(11)(B).

1. Complete Project information.
2. Complete Current Project Owner (seller) information. The current project owner name should match the information provided in the original construction permit application.
3. Complete Current Continuing Authority information. If same as Current Project Owner, write same.
4. Complete Current Engineer information for a registered Missouri professional engineer.
5. Complete Current Project Owner signature information.
6. Complete Future Project Owner (buyer) information.
7. Complete Future Continuing Authority information. If same as Future Project Owner, write same.
8. Complete Future Engineer information for a registered Missouri professional engineer.
9. Complete Future Project Owner signature information.

Mail the completed form to the department. No fee is necessary.

Note: Business name and address changes where the owner and continuing authority remain the same are not considered transfers.

If there are any questions concerning this form, please contact the Department of Natural Resources, Water Protection Program at 573-751-1300.