



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

www.dnr.mo.gov

APR 08 2013

Mr. Earl Requat, Managing Member
Hickory Grove, LLC
101 E. Walton
Warrenton, MO 63383

RE: AP10294 The Shire, Plat 3 – Wright City South Wastewater Treatment Facility,
MO-0023191, Construction Permit No. CPSE00477, Construction Permit Time
Extension

Dear Mr. Requat:

The Missouri Department of Natural Resources' Water Protection Program received a construction permit extension request on March 25, 2013, for Hickory Grove, LLC. The request for additional time for Construction Permit No. CPSE00477 has been granted for a period of 24 months and will expire March 29, 2015. This permit extension authorizes construction of the facilities described on the permit dated March 30, 2012.

In accordance with 10 CSR 20-6.010(4)(G), the Department can only grant time extensions once. Thus, if the project is not complete by March 29, 2015, the applicant must submit a new construction permit application and fee.

If you were adversely affected by this decision, you may appeal to have the matter heard by the Administrative Hearing Commission. To appeal, you must file a petition with the Administrative Hearing Commission 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 Administrative Hearing Commission.

Mr. Earl Requat, Managing Member
Page 2

If you have any questions concerning this matter, please contact Mrs. Emily Carpenter, of the Water Protection Program, at 573-751-6569 or Missouri Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, MO 65102-0176.

Thank you for your efforts to help ensure clean water in Missouri.

Sincerely,

WATER PROTECTION PROGRAM



John Madras
Director

JM:eck

Enclosure: Original Construction Permit

c: Mr. Robert Lewis, P.E., P.L.S., Lewis-Bade, Inc.
Mr. Larry Janish, Public Works Director, City of Wright City
St. Louis Regional Office
Mrs. Emily Carpenter, Water Protection Program, Financial Assistance Center



Jeremiah W. (Jay) Nixon, Governor • Sara Parker Pauley, Director

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

March 30, 2012

Mr. Earl Requat, Managing Member
Hickory Grove, LLC
101 E. Walton
Warrenton, MO 63383

RE: AP10294 The Shire, Plat 3 – Wright City South Wastewater Treatment Facility,
MO-0023191, Construction Permit No. CPSE00477

Dear Mr. Requat:

The Missouri Department of Natural Resources' (Department) Water Protection Program has reviewed and approved the plans and specifications submitted by Lewis-Bade, Inc. for the Hickory Grove, LLC. Please find the enclosed Construction Permit No. CPSE00477 and one (1) set of approved plans and specifications.

This permit will terminate 12 months from the date of issuance. In accordance with 10 CSR 20-6.010(4)(G), the Department may grant an extension only one (1) time. If you believe that an extension is necessary, you must submit a request and a justification in writing for the extension to the Department at least 30 days prior to the permit expiration date.

Nothing in this permit removes any obligations to comply with county or other local ordinances or restrictions.

If you were adversely affected by this decision, you may appeal to have the matter heard by the Administrative Hearing Commission. To appeal, you must file a petition with the Administrative Hearing Commission 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 Administrative Hearing Commission.

Mr. Earl Requat, Managing Member
March 30, 2012
Page 2

If you have any questions concerning this matter, please contact Mrs. Emily Carpenter, of the Water Protection Program, at 573-751-6569 or Missouri Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, MO 65102-0176.

Thank you for your efforts to help ensure clean water in Missouri.

Sincerely,

MISSOURI CLEAN WATER COMMISSION



John Madras
Director of Staff

JM:eck

Enclosures

c: Mr. Robert Lewis, P.E., P.L.S., Lewis-Bade, Inc.
Mr. Larry Janish, Public Works Director, City of Wright City
St. Louis Regional Office
Mrs. Emily Carpenter, Water Protection Program, Financial Assistance Center

AP10294

Wright City South WWTF, MO-0023191
The Shire, Plat 3

Permit No. CPSE00477

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

Mr. Earl Requat, Managing Member
Hickory Grove, LLC
101 E. Walton
Warrenton, MO 63383

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.

March 30, 2012
Effective Date

March 29, 2013
Expiration Date

Sara Parker Pauley, Director, Department of Natural Resources

Director of Staff, Clean Water Commission or Designee

CONSTRUCTION PERMIT

COLLECTION SYSTEM:

This project consists of the installation and construction of approximately 910 lineal feet (lf) of eight-inch (8") polyvinyl chloride (PVC) gravity sewer lines with approximately three (3) manholes and all the necessary appurtenances to make a complete and usable wastewater collection system to serve an estimated population equivalent of 78 and an estimated design average flow of 7,770 gallons per day. The project will also include general site work appropriate to the scope and purpose of the project.

These wastewater facilities will be in the vicinity of Samwise Street in the City of Wright City in Warren County, Missouri and will discharge to an existing sewer system and be treated at the Wright City South Wastewater Treatment Facility (WWTF), Missouri State Operating Permit No. MO-0023191.

FINDING OF AFFORDABILITY:

Pursuant to Section 644.145, RSMo, the Department is required to determine whether a permit or decision is affordable and make a finding of affordability for each permit or decision.

This permit action was taken at the discretion of the permittee; hence, the Department finds it is affordable. The continuing authority acknowledges they will have sufficient capacity remaining after the connection is placed in service.

PERMIT CONDITIONS:

1. All construction shall be in accordance with the plans and specifications submitted by Lewis-Bade, Inc. on February 14, 2012 and March 22, 2012 and approved by the Department on March 30, 2012.
2. 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 WWTFs or any design parameter that is addressed by 10 CSR 20-8, in accordance with 10 CSR 20-8.110(8).
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 St. Louis Regional Office per 10 CSR 20-7.015(9)(E)2.

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(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 (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 ten (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 should be located at least ten (10) feet horizontally from any existing or proposed water main.
 - D. 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 (1) 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 water tight carrier pipe which extends ten (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 one (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. To obtain this permit, submit Form E – Application for General Permit, Form G – Application for Stormwater Permit, and a permit fee of \$300 to the Department’s St. Louis Regional Office. See <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 <http://www.dnr.mo.gov/env/wpp/401/> for more information.
8. In accordance with 10 CSR 20-6.010(6)(B), submit the enclosed form Application for Letter of Authorization – Sewer Extension to the Department following completion of construction. Submit an electronic copy of the as built with this form.
9. Upon completion of construction, the City of Wright City will become the continuing authority for operation, maintenance, and modernization of these facilities.

