



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

## DEPARTMENT OF NATURAL RESOURCES

[www.dnr.mo.gov](http://www.dnr.mo.gov)

**MAY 13 2016**

Mr. John Berra, Jr.  
Peine 240 LLC  
5091 New Baumgartner Road  
St. Louis, MO 63129

RE: Westhaven – Wentzville Water Reclamation Center, MO-0093599, Construction Permit No. CPSE00900, St. Charles County, Construction Permit Time Extension

Dear Mr. Berra:

The Department of Natural Resources, Water Protection Program received a construction permit extension request on May 11, 2016, on behalf of Peine 240 LLC. The request for additional time for Construction Permit Number CPSE00900 has been granted for a period of 24 months and will expire June 18, 2018. This permit extension authorizes construction of the facilities described on the permit dated June 19, 2014. This construction permit extension does not supersede any requirements of the operating permit or enforcement actions.

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 June 18, 2018, the applicant must submit a new construction permit application and fee.

If you were adversely affected by this decision, you may be entitled to an appeal before the Administrative Hearing Commission (AHC) pursuant to 10 CSR 20-1.020 and Section 621.250, RSMo. To appeal, you must file a petition with the AHC 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 AHC. Contact information for the AHC is: Administrative Hearing Commission, United States Post Office Building, Third Floor, 131 West High Street, P.O. Box 1557, Jefferson City, Missouri 65102, Phone: 573-751-2422, Fax: 573-751-5018, and Website: [www.ao.mo.gov/ahc](http://www.ao.mo.gov/ahc).

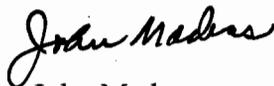
Mr. John Berra, Jr.  
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If you have any questions concerning this matter, please contact Mrs. Emily Carpenter, of the Water Protection Program, at 573-751-6569 or Missouri Department of Natural Resources, P.O. Box 176, Jefferson City, Missouri 65102.

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

Sincerely,

WATER PROTECTION PROGRAM



John Madras  
Director

JM:eck

Enclosure

c: Mr. Derrick Madej, P.E., The Sterling Company  
Mr. William Cunningham, P.E., Public Works Department, City of Wentzville  
St. Louis Regional Office



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## DEPARTMENT OF NATURAL RESOURCES

[www.dnr.mo.gov](http://www.dnr.mo.gov)

June 19, 2014

Mr. John Berra, Jr.  
Peine 240, LLC  
5091 New Baumgartner Road  
St. Louis, MO 63129

RE: AP18156 Westhaven – Wentzville Water Reclamation Center (WRC), MO-0093599,  
Construction Permit No. CPSE00900

Dear Mr. Berra:

The Missouri Department of Natural Resources' Water Protection Program has reviewed and approved the engineering report, plans, and specifications submitted by The Sterling Company for Peine 240, LLC. Please find enclosed Construction Permit No. CPSE00900.

This permit will terminate 24 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 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. John Berra, Jr.  
June 19, 2014  
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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



Byron F. Shaw, Jr., P.E., SRF Engineering Unit Chief  
Financial Assistance Center

BFS:ecc

Enclosures

c: Mr. Derrick Madej, P.E., The Sterling Company  
Mr. William Cunningham, P.E., Public Works Department, City of Wentzville  
St. Louis Regional Office  
Mrs. Emily Carpenter, Water Protection Program, Financial Assistance Center

**STATE OF MISSOURI**  
**DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



## CONSTRUCTION PERMIT

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

Peine 240, LLC  
5091 New Baumgartner Road  
St. Louis, MO 63129

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).

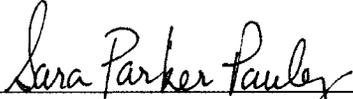
As the Department does not examine structural features of design or the efficiency of mechanical equipment, the issuance of this permit does not include approval of these features.

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.

June 19, 2014  
Effective Date

June 18, 2016  
Expiration Date

  
Sara Parker Pauley, Director, Department of Natural Resources

  
Director, Water Protection Program

## **CONSTRUCTION PERMIT**

### **COLLECTION SYSTEM:**

The proposed wastewater collection system will consist of a conventional gravity sewer system with pump station and force mains, which will carry raw wastewater to the receiving wastewater treatment facility.

Construction and installation of approximately 36,427 linear feet (lf) of eight-inch (8") polyvinyl chloride (PVC), 124 lf of eight-inch (8") ductile iron pipe (DIP), 20 lf of 12-inch DIP, 2,549 lf of 15-inch PVC, 895 lf of 16-inch DIP, and 30 lf of 96-inch reinforced concrete pipe (RCP) gravity sewers with 262 manholes, 935 lf of three-inch (3") C-906 Poly force mains with cleanouts and air release valves, one (1) duplex pump station with each pump capable of operating at 109 gallons per minute (gpm) at 98 feet of total dynamic head (TDH), with a telemetered alarm system and an emergency generator quick connect, and all necessary appurtenances to make a complete and usable wastewater collection system to serve an estimated population equivalent of 2,727 and an estimated design average flow of 272,690 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 the intersection of Peine Road and Meyer Road in the city of Wentzville, MO, St. Charles County and discharge to an existing sewer system to be treated at the Wentzville Water Reclamation Center, Missouri State Operating Permit No. MO-0093599.

### **PERMIT CONDITIONS:**

1. All construction shall be in accordance with the engineering report, plans, and specifications submitted by The Sterling Company as follows:
  - Engineering Report and Specifications received on May 21, 2014 and signed and sealed by Mr. Michael Boerding, P.E. on May 16, 2014.
  - Plans received on May 21, 2014 and signed and sealed by Mr. Rodney Arnold, P.E. as follows: sheet 1.1 dated March 28, 2008 and all others dated May 16, 2014.
  - And approved by the Department on June 19, 2014.
  
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 wastewater treatment facilities 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 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 should be located at least ten feet (10') 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 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.
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. Land disturbance permits may 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. 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 Wentzville will become the continuing authority for operation, maintenance, and modernization of these facilities.

# RECEIVED



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

APR 21 2014

WATER PROTECTION PROGRAM

| FOR DEPARTMENT USE ONLY  |                   |
|--------------------------|-------------------|
| APP NO.                  | CP NO.            |
| FEE RECEIVED<br>300.00   | CHECK NO.<br>1239 |
| DATE RECEIVED<br>4-21-14 | JS.               |

**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: 05/31/2011  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 included with this application? (See instructions for appropriate fee.)  YES  NO

\* Must be affixed with a Missouri registered professional engineer's seal, signature and date.

**2.0 PROJECT INFORMATION**

2.1 NAME OF PROJECT  
Westhaven

| ADDRESS               | CITY       | STATE | ZIP CODE | COUNTY      |
|-----------------------|------------|-------|----------|-------------|
| Peine Rd. @ Meyer Rd. | Wentzville | Mo    | 63385    | St. Charles |

2.2 Legal Description: US ¼, Survey ¼, ¼, Sec. 10, T 47N, R 1E

2.3 Project Components (check all that apply):  
 Gravity sewers  Pumping stations  Force mains  Alternative sewer system  Other (Describe below.)

2.4 PROJECT DESCRIPTION  
 276 Manholes, 2,398 ft. of 15" PVC, 1045 ft. of 16" DIP, 20 ft. 12" DIP, 36,885 ft. of 8" PVC, 443 ft. of 8" DIP, 934 ft. of 3" C-806 HDPE force main & Lift Station.

2.5 DESIGN INFORMATION

A. Population or number of lots to be served by this extension: 737 lots

B. Estimated flow to be contributed by this extension: Design Average Flow: 274k gpd Design Peak Hourly Flow: 11,400 gph

C. Industrial Wastes: Type: \_\_\_\_\_ Flow: \_\_\_\_\_ gpd

D. Receiving Sewer: Size: 8 & 15 inches Capacity: 1,687 gpm

**3.0 PROJECT OWNER**

| NAME           | TELEPHONE NUMBER WITH AREA CODE | E-MAIL ADDRESS     |
|----------------|---------------------------------|--------------------|
| Peine 240, LLC | (314) 487-6717                  | jfoster@hberra.com |

| ADDRESS                  | CITY      | STATE | ZIP CODE |
|--------------------------|-----------|-------|----------|
| 5091 New Baumgartner Rd. | St. Louis | MO    | 63129    |

**4.0 CONTINUING AUTHORITY:** Permanent organization that will serve as the continuing authority for the operation, maintenance and modernization of the wastewater collection system.

| NAME | TELEPHONE NUMBER WITH AREA CODE | E-MAIL ADDRESS |
|------|---------------------------------|----------------|
|      |                                 |                |

| ADDRESS | CITY | STATE | ZIP CODE |
|---------|------|-------|----------|
|         |      |       |          |

4.1 A letter from the continuing authority, if different than the owner, is included with this application.  YES  NO  N/A

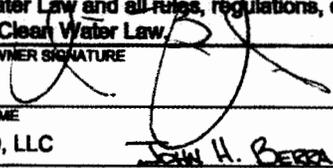
**5.0 ENGINEER**

| ENGINEER NAME / COMPANY NAME | TELEPHONE NUMBER WITH AREA CODE | E-MAIL ADDRESS              |
|------------------------------|---------------------------------|-----------------------------|
| The Sterling Company         | (314) 487-0440                  | Dmadej@sterling-eng-sur.com |

| ADDRESS                  | CITY      | STATE | ZIP CODE |
|--------------------------|-----------|-------|----------|
| 5055 New Baumgartner Rd. | St. Louis | MO    | 63129    |

**6.0 RECEIVING WASTEWATER TREATMENT FACILITY**

| NAME                   | TELEPHONE NUMBER WITH AREA CODE | E-MAIL ADDRESS |
|------------------------|---------------------------------|----------------|
| City of Wentzville, MO | (636) 327-5102                  |                |

|  |  |   |  |
|--|--|---|--|
| MISSOURI STATE OPERATING PERMIT #<br>MO-0093599  |  | REMAINING CAPACITY (GPD)<br>832,658 mgd   |  |
| 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.<br><input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A  |  |   |  |
| 7.0 PROJECT OWNER: I hereby certify that I am familiar with the information contained in this application and to the best of my knowledge and belief such information is true, complete, and accurate, and if granted this permit, I agree to abide by the Missouri Clean Water Law and all rules, regulations, orders, and decisions, subject to any legitimate appeal available to applicant under Missouri Clean Water Law. |  |   |  |
| PROJECT OWNER SIGNATURE<br>   |  |   |  |
| PRINTED NAME<br>Peine 240, LLC   |  | DATE<br>4-14  |  |
| TITLE OR CORPORATE POSITION<br>Pres of JHB Prop, Inc.; A MEMBER  |  | TELEPHONE NUMBER WITH AREA CODE<br>(314) 487-6717   | E-MAIL ADDRESS<br>jfooster@jhberra.com |
| Mail completed copy to:  |  | MISSOURI DEPARTMENT OF NATURAL RESOURCES<br>WATER PROTECTION PROGRAM<br>P.O. BOX 176<br>JEFFERSON CITY, MO 65102-0176 |  |