



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

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

October 8, 2014

The Honorable Justin Murry
Mayor of Odessa
P.O. Box 128
Odessa, MO 64076

RE: C295675-01 City of Odessa, MO – Westside Sewer Project, Odessa Northwest WWTF,
MO-0026379, Construction Permit No. CPSE00871

Dear Mayor Murry:

The Department of Natural Resources' Water Protection Program has reviewed and approved the plans and specifications submitted by Larkin Lamp Rynearson for the city of Odessa, MO. Please find enclosed Construction Permit No. CPSE00871 and one set of approved specifications. One set of approved plans has been sent under separate cover by Ms. Cynthia Smith, P.E., of my staff. You must maintain these with your official project file for a minimum of four years following completion of the project.

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 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.

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If you have any questions concerning this matter, please contact Ms. Cynthia Smith, P.E., of the Water Protection Program, at 573-522-9723 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:csc

Enclosures

c: Mr. Clark Thompson, P.E., Larkin Lamp Rynearson
Mr. Scott Honig, P.E., Kansas City Regional Office
Ms. Cynthia M. Smith, P.E., Water Protection Program, Financial Assistance Center
Mr. Ted Koenig, 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:

City of Odessa
P.O. Box 128
Odessa, MO 64076

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.

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.

October 8, 2014
Effective Date

October 7, 2016
Expiration Date

Sara Parker Pauley, Director, Department of Natural Resources

John Madros, Director, Water Protection Program

CONSTRUCTION PERMIT

COLLECTION SYSTEM:

This project consists of the installation and construction of the Westside Sewer Interceptor. This project includes:

- Approximately 5,930 linear feet (lf) of six-inch force main
- Approximately 1,690 lf of 13-inch gravity sewer
- Approximately 4,565 lf of 15-inch gravity sewer
- Approximately 925 lf of 18-inch gravity sewer
- West pump station equipped with two submersible pumps rated at 250 gallons per minute at 101 feet of total dynamic head
- Northwest pump station equipped with three submersible pumps rated at 250 gallons per minute at 72 feet of total dynamic head with variable frequency drives and a trash rack located in the wet well
- All the necessary appurtenances to make a complete and usable wastewater collection system
- General site work appropriate to the scope and purpose of the project.

These wastewater facilities will be on the west side of the city of Odessa, MO, Lafayette County and discharge to an existing sewer system and be treated at the Northwest Wastewater Treatment Facility, Missouri State Operating Permit No. MO-0026379.

PERMIT CONDITIONS:

1. All construction shall be in accordance with the plans and specifications submitted by Larkin Lamp Rynearson on September 23, 2014 and approved by the Department on October 8, 2014.
2. Regulation 10 CSR 20-4.040(19)(B)1 requires that projects be publicly advertised, allowing sufficient time for bids to be prepared and submitted. Projects should be advertised at least 30 days prior to bid opening.
3. 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).

4. As per 10 CSR 20-4.040, all changes in contract price or time within the approved scope of work must be by change order in accordance with Section 20 of this rule.
5. 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)(E)2.
6. 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 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 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 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 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 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.
7. 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.

See www.dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm for more information.
8. 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/ for more information.
9. Upon completion of construction, the city of Odessa, MO will become the continuing authority for operation, maintenance, and modernization of these facilities.
10. In accordance with 10 CSR 20-6.010(5)(D), submit the enclosed form Statement of Work Completed to the Department following completion of construction. Submit an electronic copy of the as built with this form.



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

WATER PROTECTION PROGRAM

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEE RECEIVED \$300.00	CHECK NO. 127073
DATE RECEIVED 11/21/14	SB

**NOTE: PLEASE READ INSTRUCTIONS BEFORE
 TO APPLY FOR PERMIT**

1.1 Is this a Federal/State funded project? YES N/A Funding Agency: MDNR Project #: C295675-01

1.2 Has the Department of Natural Resources approved the proposed project's engineering report*?
 YES Date of Approval: 03/15/2013 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
 Westside Sewer

ADDRESS	CITY	STATE	ZIP CODE	COUNTY
125 S. 2nd Street	Odessa	Mo	64076	Lafayette

2.2 Legal Description: ¼, ¼, ¼, Sec. 3, T 48N, R 28W

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

2.4 PROJECT DESCRIPTION
 The west lift station (250 gpm) will intercept flow currently entering the southeast lagoon and discharge through approximately 5,170 lineal feet of six-inch (6") force main sewer. The west force main will discharge into approximately 1,690 lineal feet of 12-inch, 4,565 lineal feet of 15-inch and 925 lineal feet of 18" gravity sewer (24 total manholes). The gravity sewer will discharge into the northwest lift station (500 gpm) which will be located at, and pump sewage up to, the new NW wastewater treatment plant through approximately 760 lineal feet of six-inch force main. The force main will discharge into the 24" NW WWTP influent sewer.

2.5 DESIGN INFORMATION

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

B. Estimated flow to be contributed by this extension: Design Average Flow: .225 gpd Design Peak Hourly Flow: 30,000 gph

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

D. Receiving Sewer: Size: 24 inches Capacity: 3,070 gpm

3.0 PROJECT CONTACT INFORMATION

NAME	TELEPHONE NUMBER WITH AREA CODE	E-MAIL ADDRESS
City of Odessa	(816) 633-4764	pconway@cityofodessamo.com

ADDRESS	CITY	STATE	ZIP CODE
125 S. 2nd Street	Odessa	Mo	64076

NAME	TELEPHONE NUMBER WITH AREA CODE	E-MAIL ADDRESS
Paul Conway	(816) 633-4764	pconway@cityofodessamo.com

ADDRESS	CITY	STATE	ZIP CODE
125 S. 2nd Street	Odessa	Mo	64076

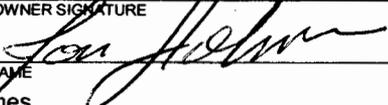
4.1 A letter from the continuing authority, if different than the owner, is included with this application. YES NO N/A

ENGINEER NAME / COMPANY NAME	TELEPHONE NUMBER WITH AREA CODE	E-MAIL ADDRESS
Laura Myers/Larkin Lamp Rynearson	(816) 823-7244	laura.myers@LRA-Inc.com

ADDRESS	CITY	STATE	ZIP CODE
9200 Ward Parkway Suite 200	Kansas City	Mo	64114

5.0 RECEIVING WASTEWATER TREATMENT FACILITY

NAME	TELEPHONE NUMBER WITH AREA CODE	E-MAIL ADDRESS
NW Wastewater Treatment Plant		N/A

MISSOURI STATE OPERATING PERMIT # TBD		REMAINING CAPACITY (GPD) .575	
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			
PROJECT OWNER SIGNATURE 			
PRINTED NAME Jon Holmes		DATE 1/9/14	
TITLE OR COPORATE POSITION City Administrator	TELEPHONE NUMBER WITH AREA CODE (816) 230-5577	E-MAIL ADDRESS jholmes@cityofodessamo.com	
Mail completed copy to: MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM P.O. BOX 176 JEFFERSON CITY, MO 65102-0176			