



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

DEPARTMENT OF NATURAL RESOURCES

www.dnr.mo.gov

December 19, 2013

Mr. Steve Lawver, City Administrator
City of Carl Junction
P.O. Box 447
Carl Junction, MO 64834

RE: C295650-01 City of Carl Junction, MO – Wastewater Treatment Plant Expansion,
Carl Junction Wastewater Treatment Facility, MO-0025186, Construction Permit
No. CP0001613

Dear Mr. Lawver:

The Missouri Department of Natural Resources' Water Protection Program has reviewed and approved the plans and specifications submitted by Allgeier, Martin and Associates, Inc. for the City of Carl Junction. Please find enclosed Construction Permit No. CP0001613 and one (1) set of approved specifications. One (1) set of approved plans has been sent under separate cover by Mr. David C. Uhlig, P.E., of my staff. You must maintain these with your official project file for a minimum of four (4) 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 (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.

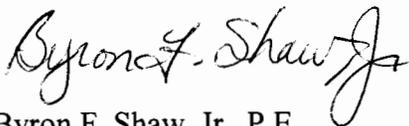
Mr. Steve Lawver, City Administrator
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If you have any questions concerning this matter, please contact Mr. David C. Uhlig, P.E., of the Water Protection Program, at 573-751-1302 or Missouri Department of Natural Resources, Water Protection Program, 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

BFS:duc

Enclosures

- c: Mr. Dean Willis, P.E., Allgeier, Martin and Associates, Inc.
City of Carl Junction
Southwest Regional Office
Ms. Kristi Savage-Clarke, Water Protection Program, Compliance and Enforcement
Mr. David C. Uhlig, P.E., Water Protection Program, Financial Assistance Center
Mr. David Potthast, 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 Carl Junction P.O. Box 447 Carl Junction, MO 64834
--

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.

December 19, 2013
Effective Date

December 18, 2015
Expiration Date

Sara Parker Pauley, Director, Department of Natural Resources

John Madros, Director, Water Protection Program

CONSTRUCTION PERMIT

PROJECT DESCRIPTION:

The proposed improvements to the wastewater treatment plant will consist of a return activated sludge structure with three (3) pumps, the replacement of the existing mechanical screen, the addition of one (1) oxidation ditch, the addition of one (1) secondary clarifier and the conversion of the two (2) smallest secondary clarifiers to aerobic/sludge holding tanks, upgrades to the existing ultraviolet disinfection system and the addition of a standby power unit and all pipe and electrical equipment necessary to make a complete project.

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. The Affordability Determination and Finding for this project was waived by the city of Carl Junction in accordance with RSMO §644.145.

PERMIT CONDITIONS:

1. All construction shall be in accordance with the plans and specifications submitted by Allgeier, Martin and Associates, Inc. on December 6, 2013 and approved by the Department on December 19, 2013.
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 Southwest Regional Office per 10 CSR 20-7.015(9)(E)2.

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 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.

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/ for more information.

8. Upon completion of construction, the city of Carl Junction will become the continuing authority for operation, maintenance, and modernization of these facilities.
9. 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.

RECEIVED

AP17H35
CP0001613



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM
APPLICATION FOR CONSTRUCTION PERMIT -
WASTEWATER TREATMENT FACILITY

APR 19 2013
WATER PROTECTION PROGRAM

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEE RECEIVED \$2200.00	CHECK NO. 0047401
DATE RECEIVED 4/19/13	

APPLICATION OVERVIEW

The Application for Construction Permit – Wastewater Treatment Facility form has been developed in a modular format and consists of Part A and B. All applicants must complete Part A. Part B should be completed for applicants who currently land-apply wastewater or propose land application for wastewater treatment. Please read the accompanying instructions before completing this form. Submittal of an incomplete application may result in the application being returned.

PART A – BASIC INFORMATION

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: SRF Project #: _____
- 1.2 Has the Missouri Department of Natural Resources approved the proposed project's antidegradation review?
 YES Date of Approval: 2012
 Attached is the No Degradation Evaluation Conclusion of Antidegradation Review form
- 1.3 Has the department approved the proposed project's facility plan*?
 YES Date of Approval: 2012 NO N/A (If Not Applicable, complete No. 1.4.)
- 1.4 [Complete only if answered Not Applicable on No. 1.3.] Is a copy of the engineering report* for wastewater treatment facilities with a design flow less than 22,500 gpd included with this application?
 YES NO
- 1.5 Is a copy of the appropriate plans* and specifications* included with this application?
 YES Denote which form is submitted: Hard copy Electronic copy (See instructions.) NO
- 1.6 Is a summary of design* included with this application? YES NO
- 1.7 Has the appropriate operating permit application (A, B, or B2) been submitted to the department?
 YES Date of submittal: _____
 Enclosed is the appropriate operating permit application submittal. Denote which form: A B B2
 N/A Please explain: _____
- 1.8 Is the facility currently under enforcement with the department or the Environmental Protection Agency? YES NO
- 1.9 Is the appropriate fee included with this application? YES NO (See instructions for appropriate fee.)

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

2.0 PROJECT INFORMATION

2.1 NAME OF PROJECT

Wastewater Treatment Plant Expansion

2.2 PROJECT DESCRIPTION

Expansion of WWTP to include replacement of mechanical screen, new oxidation ditch, clarifier, ultraviolet disinfection facilities, RAS pumping facilities, standby electric generator, and related improvements.

2.3 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION

Waste activated sludge is temporarily stored and aerated prior to discharge to storage lagoons. Alternate lagoons are dredged annually, and liquid sludge is applied on agricultural land under separate contract.

2.4 DESIGN INFORMATION

- A. Current population: 8,600; Design population: 11,500
- B. Actual Flow: 1,150,000 gpd; Design Average Flow: 1,600,000 gpd;
Actual Peak Daily Flow: 5,700,000 gpd; Design Maximum Daily Flow: 5,700,000 gpd

2.5 ADDITIONAL INFORMATION

- A. Is a topographic map attached? YES NO
- B. Is a process flow diagram attached? YES NO

3.0 WASTEWATER TREATMENT FACILITY				
NAME Carl Junction Wastewater Treatment Facility		TELEPHONE NUMBER WITH AREA CODE 417-649-7686		E-MAIL ADDRESS cjcityadm@carljunction.org
ADDRESS (PHYSICAL) South Joplin Street	CITY Carl Junction	STATE MO	ZIP CODE 64834	COUNTY Jasper
Wastewater Treatment Facility: Mo- 0025186 (Outfall 001 Of 1)				
3.1 Legal Description: NE <u> </u> ¼, SW <u> </u> ¼, NW <u> </u> ¼, Sec. 08, T 28N, R 33W (Use additional pages if construction of more than one outfall is proposed.)				
3.2 UTM Coordinates Easting (X): <u>361422</u> Northing (Y): <u>411466</u> For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)				
3.3 Name of receiving streams: <u>Center Creek</u>				
4.0 PROJECT OWNER				
NAME City of Carl Junction		TELEPHONE NUMBER WITH AREA CODE (417) 649-7237		E-MAIL ADDRESS cjcityadm@carljunction.org
ADDRESS P.O. Box 447	CITY Carl Junction	STATE MO	ZIP CODE 64834	
5.0 CONTINUING AUTHORITY: Permanent organization that will serve as the continuing authority for the operation, maintenance and modernization of the wastewater collection system.				
NAME Same As Owner		TELEPHONE NUMBER WITH AREA CODE		E-MAIL ADDRESS
ADDRESS	CITY	STATE	ZIP CODE	
5.1 A letter from the continuing authority, if different than the owner, is included with this application. <input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A				
5.2 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHORITY IS A MISSOURI PUBLIC SERVICE COMMISSION REGULATED ENTITY.				
A. Is a copy of the certificate of convenience and necessity included with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
5.3 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHORITY IS A PROPERTY OWNERS ASSOCIATION.				
A. Is a copy of the as-filed restrictions and covenants included with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
B. Is a copy of the as-filed warranty deed, quitclaim deed or other legal instrument which transfers ownership of the land for the wastewater treatment facility to the association included with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
C. Is a copy of the as-filed legal instrument (typically the plat) that provides the association with valid easements for all sewers included with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
D. Is a copy of the Missouri Secretary of State's nonprofit corporation certificate included with this application? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				
6.0 ENGINEER				
ENGINEER NAME / COMPANY NAME Dean A. Willis Algeier, Martin and Associates, Inc.		TELEPHONE NUMBER WITH AREA CODE (417) 680-7200		E-MAIL ADDRESS Dean.Willis@amce.com
ADDRESS 7231 East 24th Street	CITY Joplin	STATE MO	ZIP CODE 64804	
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. I also understand the issuance of the construction permit does not guarantee the proposed wastewater treatment will meet the required effluent limitations of the issued Missouri State Operating Permit for this facility.				
PROJECT OWNER SIGNATURE 				
PRINTED NAME Steve Lawver			DATE 4/11/13	
TITLE OR CORPORATE POSITION City Administrator		TELEPHONE NUMBER WITH AREA CODE (417) 649-7237		E-MAIL ADDRESS cjcityadm@carljunction.org
Mail completed copy to: MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM P.O. BOX 176 JEFFERSON CITY, MO 65102-0176				
END OF PART A. REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHETHER PART B NEEDS TO BE COMPLETE.				