

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 Canton  
P.O. Box 231  
Canton, MO 63435

for the construction of (described facilities):

See attached.

Permit Conditions:

See attached.

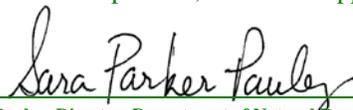
Construction of such proposed facilities shall be in accordance with the provisions of the Missouri Clean Water Law, Chapter 644, RSMo, and regulation promulgated thereunder, or this permit may be revoked by the Department of Natural Resources (Department).

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.

May 20, 2015  
Effective Date

  
Sara Parker Pauley, Director, Department of Natural Resources

May 19, 2016  
Expiration Date

  
John Madras, Director, Water Protection Program

## **CONSTRUCTION PERMIT**

### **I. CONSTRUCTION DESCRIPTION**

Modification to an existing sewage treatment facility (three cell aerated lagoon) by raising the berm between cell #2 and cell #3; addition of a peracetic acid (PAA) disinfection system; a detention basin partitioned off in a corner of cell #3 with a floating flexible plastic baffle; chemical building and controls; an aeration mixing unit; a SCADA system; and all the necessary appurtenances to make the facilities complete and usable to treat the waste from a population equivalent of 3,482 with an average daily discharge of 360,000 gallons. This facility discharges to a tributary to Mississippi River, Lewis County.

### **II. 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 Finding of Affordability is not applicable. This construction permit does not include new environmental requirements beyond what are already required by the existing Missouri State Operating Permit, MO-0105449.

### **III. CONSTRUCTION PERMIT CONDITIONS**

The permittee is authorized to construct subject to the following conditions:

1. This construction permit does not authorize discharge.
2. All construction shall be in accordance with the plans and specifications submitted by Mr. Charles S. Bach, P.E., Poepping, Stone, Bach & Associates, Inc. on April 16, 2015.
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. 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 Northeast Regional Office per 10 CSR 20-7.015(9)(E)2.
5. This construction permit is invalid for projects required to comply with the requirements contained in 10 CSR 20-4, "Grants and Loans"
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."

7. 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.
  - A. Sewer mains shall be laid at least 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 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.
  - B. Manholes should be located at least 10 feet horizontally from any existing or proposed water main.
  - C. 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:
    - a. 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
    - b. Either the water main or sewer line may be continuously encased or enclosed in a watertight carrier pipe which extends 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.
8. 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.
9. 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.

10. Upon completion of construction;
  - A. Submit the enclosed form Statement of Work Completed to the department in accordance with 10 CSR 20-6.010(5)(D);
  - B. Submit an electronic copy of the as-builts if the project was not constructed in accordance with previously submitted plans and specifications.

#### **IV. REVIEW SUMMARY**

##### **1. AMMONIA**

The Water Protection Program is providing this notice to inform permittees that EPA's published ammonia criteria for aquatic life protection is lower than the current Missouri criteria. The department has initiated stakeholder discussions on this topic and at this time, there is no firm target date for starting the rulemaking to adopt new standards. More information can be found at <http://dnr.mo.gov/pubs/pub2481.pdf>.

The city of Canton was notified of the new ammonia criteria when the operating permit was modified on November 27, 2013. The new ammonia criteria was also discussed with the Water Quality and Antidegradation Review (WQAR) dated July 27, 2014. The WQAR was performed for moving the outfall to the Mississippi River; an activity to be done at a later date. The WQAR did not calculate potential limits using the new ammonia criteria.

##### **2. CONSTRUCTION PURPOSE**

Bacteriological limits have been in effect for this discharge since January 16, 2013. There is currently no disinfection system in place at this facility. While the facility actually meets the bacteriological limitations at times, it does not do so consistently. Current limitations for *E.coli* are 126 #/100 ml, monthly average and 630 #/100 ml, weekly average. The addition of PAA disinfection will enable the facility to consistently meet permit limits.

The lagoon facility is adjacent to the Mississippi River. When the river is at high levels the lagoon cannot discharge without pumping. This project will allow the facility to hold flows when it is impossible to discharge by gravity. It will also create more detention volume that can be used to hold excess incoming flows due to inflow and infiltration (I & I) during extreme precipitation events.

##### **3. FACILITY DESCRIPTION**

The existing facility is a 3 cell lagoon with the first cell aerated. Flow comes into the facility from two separate lift stations located off-site. In general: cell #1 has an area of 2.7 acres and a constant depth of 10 feet; cell #2 has an area of 8.12 acres at the 5 foot depth; cell #3 has an area of 3.22 acres at the 5 foot depth; cells # 2 and #3 are controllable and can be varied between the 2.0 foot and 6.3 foot depths. The outside berm is higher than internal berms to protect from flooding. By raising the berm between cell #2 and cell #3, the maximum depth of the two cells increases 4.2 feet to 10.5 feet. The lagoon has a design flow rating of 360,000 GPD, and a design population equivalent of 3482; these ratings will not change with this construction. PAA disinfection will be added near the existing outfall.

#### **4. COMPLIANCE PARAMETERS**

Current limitations for *E. coli* are 126 #/100 ml monthly average and 630 #/100 ml weekly average. The addition of PAA disinfection will enable the facility to consistently meet permit limits.

The current operating permit has a schedule of compliance for the city to address high flows into the facility. This project addresses part of the issue by installing a SCADA system that will monitor the four collection system lift stations. The SCADA system will be able to accurately record influent flows by recording flows from flow monitors connected to the two lift stations that discharge to the treatment facility. The additional detention volume being created will be able to hold the excessive flows with the intent of allowing time for adequate treatment. Also, not part of this project, the city has an on-going program to identify and reduce I & I.

#### **5. REVIEW of MAJOR TREATMENT DESIGN CRITERIA**

In order to meet PAA discharge limitations to protect water quality, the Water Protection Program has recommended a minimum detention time of 10 minutes after injecting the PAA into the effluent flow. The detention volume for this system will be fashioned from floating baffles in a corner of lagoon cell #3. At the minimum lagoon level the partitioned volume is more than 14,000 gallons. This is equivalent to 56 minutes at the design flow of 360,000 GPD and 15 minutes at the maximum expected discharge of 1,300,000 GPD. Detention time increases significantly as depth increases.

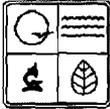
The flow rate that would allow the lagoon to be lowered from the maximum depth of 10.5 feet to a 3 foot depth within 30 days is 1,300,00 GPD. This discharge rate represents a peak flow factor of 3.6.

A safety shower and emergency eye wash station will be provided in the chemical building. The devices will be directly connected to the municipal public water supply. A reduced pressure zone backflow preventer (Wilkins model 975) will be installed on the water supply line because a hose bib will also be installed.

#### **6. OPERATING PERMIT MODIFICATION**

Operating permit MO-0056278 will be modified to reflect the construction activities upon receipt of the Statement of Work Completed. Form B for Operating Permit Modification and the permit modification fee of \$200.00 was received by the department on August 8, 2015. The operating permit modification was placed on public notice at approximately the same time as issuance of this construction permit.

Andrew Appelbaum, P.E.  
Engineering Section  
[andy.appelbaum@dnr.mo.gov](mailto:andy.appelbaum@dnr.mo.gov)



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
WATER PROTECTION PROGRAM

**APPLICATION FOR CONSTRUCTION PERMIT -  
WASTEWATER TREATMENT FACILITY**

AUG 8 2014

AP 19265 0023084  
CP 000 1616

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEE RECEIVED \$ 150.00	CHECK NO. 17942
DATE RECEIVED 8/8/14	8B

**APPLICATION OVERVIEW** WATER PROTECTION PROGRAM

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: \_\_\_\_\_ Project #: \_\_\_\_\_
  - 1.2 Has the Missouri Department of Natural Resources approved the proposed project's antidegradation review?  
 YES Date of Approval: 6/13/14  
 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: ANTI -  NO  N/A (If Not Applicable, complete No. 1.4.)  
DEC
  - 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  
Canton Lagoon

2.2 PROJECT DESCRIPTION  
Raise levee between cells two and three to provide emergency storage, install a PAA disinfection system, and install a SCADA system to monitor inflows

2.3 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION  
3 Cell Lagoon

2.4 DESIGN INFORMATION  
 A. Current population: 3250; Design population: 3700  
 B. Actual Flow: 305,450 gpd; Design Average Flow: 364,000 gpd;  
 Actual Peak Daily Flow: 1,224,297 gpd; Design Maximum Daily Flow: 1,300,000 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 Canton Sewer Lagoon	TELEPHONE NUMBER WITH AREA CODE 573-288-4413	E-MAIL ADDRESS cantoncityclerk@centurytel.net
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ADDRESS (PHYSICAL) East of Route B .2 miles South of City Limits	CITY Canton	STATE MO	ZIP CODE 63435	COUNTY Lewis
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Wastewater Treatment Facility: Mo- 0056278 (Outfall 01 Of 01 )

3.1 Legal Description: 1/4, SE 1/4, NW 1/4, Sec. 1, T 61N, R 6W  
(Use additional pages if construction of more than one outfall is proposed.)3.2 UTM Coordinates Easting (X): 628,621,277 Northing (Y): 4,441,420  
For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)3.3 Name of receiving streams: UNNAMED**4.0 PROJECT OWNER**

NAME CITY OF CANTON	TELEPHONE NUMBER WITH AREA CODE (573) 288-4413	E-MAIL ADDRESS cantoncityclerk@centurytel.net
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ADDRESS 124 NORTH 5TH ST	CITY CANTON	STATE MO	ZIP CODE 63435
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**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 CITY OF CANTON	TELEPHONE NUMBER WITH AREA CODE (573) 288-4413	E-MAIL ADDRESS cantoncityclerk@centurytel.net
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ADDRESS 124 NORTH 5TH ST	CITY CANTON	STATE MO	ZIP CODE 63435
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5.1 A letter from the continuing authority, if different than the owner, is included with this application.  YES  NO  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?  YES  NO

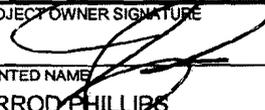
5.3 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHORITY IS A PROPERTY OWNERS ASSOCIATION.

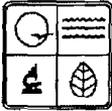
A. Is a copy of the as-filed restrictions and covenants included with this application?  YES  NOB. Is a copy of the as-filed warranty deed, quitclaim deed or other legal instrument which transfers ownership of the land for the wastewater treatment facility to the association included with this application?  YES  NOC. 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?  YES  NOD. Is a copy of the Missouri Secretary of State's nonprofit corporation certificate included with this application?  YES  NO**6.0 ENGINEER**

ENGINEER NAME / COMPANY NAME POEPPING, STONE, BACH AND ASSOCIATES	TELEPHONE NUMBER WITH AREA CODE (217) 223-4605	E-MAIL ADDRESS charlesb@psba.com
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ADDRESS 100 SOUTH 54TH ST	CITY QUINCY	STATE IL	ZIP CODE 62301
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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  
JARROD PHILLIPSDATE  
7-28-14TITLE OR CORPORATE POSITION  
MAYORTELEPHONE NUMBER WITH AREA CODE  
(573) 288-4413E-MAIL ADDRESS  
cantoncityclerk@centurytel.netMail 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.**



MISSOURI DEPARTMENT OF NATURAL RESOURCES  
 WATER PROTECTION PROGRAM  
 FORM B: APPLICATION FOR AN OPERATING PERMIT FOR DOMESTIC OR  
 MUNICIPAL WASTEWATER (≤100,000 gallons per day)

AUG 8 2014

FOR AGENCY USE ONLY

CHECK NUMBER 17941

DATE RECEIVED 8/14 FEE SUBMITTED \$200.00

PLEASE READ THE ACCOMPANYING INSTRUCTIONS BEFORE COMPLETING THIS FORM

1. THIS APPLICATION IS FOR:

- An operating permit for a new (including antidegradation review) or unpermitted facility. Construction Permit # \_\_\_\_\_
  - An operating permit renewal: Permit #MO- \_\_\_\_\_ Expiration Date \_\_\_\_\_
  - An operating permit modification: Permit #MO- 0056278 Reason: Emergency Storage Release
- 1.1 Is the appropriate fee included with the application (see instructions for appropriate fee)?  YES  NO
- 1.2 Is a facility description included with this application (see 7.1)?  YES  NO

2. FACILITY

NAME Canton Sewer Lagoon		TELEPHONE NUMBER WITH AREA CODE (573) 288-4413	
ADDRESS (PHYSICAL) East of Route B .2 miles South of City Limits	CITY Canton	STATE Mo.	ZIP CODE 63435
OUTFALL NUMBER For multiple outfalls, this is number 1 of 1			
Estimated (actual) flow: 364000 gpd, Design Average Flow: 364000 gpd, Design Peak Hourly Flow: 53880 gph			
2.1 Legal description: ¼, SE ¼, NW ¼, Sec. 1, T 61, R 6W County LEWIS			
2.2 UTM Coordinates Easting (X): 626,621.277 Northing (Y): 4,441,420.72 For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)			
2.3 Name of receiving stream: Unammed Tributary of Mississippi River relocating to Mississippi River			

3. OWNER

NAME City of Canton		E-MAIL ADDRESS cantoncityclerk@centurylink.com	TELEPHONE NUMBER WITH AREA CODE (573) 288-4413
ADDRESS 124 North 5th St	CITY Canton	STATE Mo.	ZIP CODE 63435
3.1 Request review of draft permit prior to public notice? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			

4. CONTINUING AUTHORITY: Permanent organization that will serve as the continuing authority for the operation, maintenance and modernization of the facility.

NAME City of Canton		E-MAIL ADDRESS cantoncityclerk@centurylink.c	TELEPHONE NUMBER WITH AREA CODE (573) 288-4413
ADDRESS 124 North 5th St	CITY Canton	STATE Mo.	ZIP CODE 63435

5. OPERATOR

NAME George Hausdorf	CERTIFICATE NUMBER 8537
E-MAIL ADDRESS hausdorf@centurytel.net	TELEPHONE NUMBER WITH AREA CODE (573) 288-4413

6. FACILITY CONTACT

NAME George Hausdorf	TITLE 8537
E-MAIL ADDRESS hausdorf@centurytel.net	TELEPHONE NUMBER WITH AREA CODE (573) 288-4413

7. DESCRIPTION OF FACILITY

7.1 Describe the facility (attach additional sheet if required) and attach a flow chart showing the influents, treatment facilities and outfalls.  
 All waste is pumped up to a 3 Cell Lagoon Aerated Lagoon. The waste is treated in the lagoon system and will pass through a PAA disinfection system (when required during fishable / swimmable months) before being discharged to the stream.

7.2 Attach an aerial photograph or USGS topographic map showing the location of the facility and outfall.

7.3 Design flow for this outfall: 1.3mgd Total design flow for the facility: 1.3 Actual flow for this outfall: 0.364

7.4 Number of people presently connected or population equivalent (P.E.): 3250 Design P.E.: 3700

7.5 Does the facility accept or process leachate from landfills?  Yes  No

**8. ADDITIONAL FACILITY INFORMATION**8.1 Facility SIC code: 4952; Discharge SIC code: 4952.

8.2 Milestone dates:

Date of completion of construction of facility: TBD

Dates of any construction modifications to the facility (along with description of modification): \_\_\_\_\_

Dates for construction are to be determined. Levee between cells 2&amp;3 will be raised to match adjoining levees to allow for emergency storage during flood / high flow events. Also a PAA disinfection system will be installed in the 3rd cell via c curtain system.

8.3 Connections to the facility:

Number of units presently connected: Homes 550 Trailers 70 Apartments 180Other (including industrial) 24 (If industrial, see instructions 8.1)

Number of commercial establishments: \_\_\_\_\_

Daily number of employees working (total estimate): 300 Daily number of customers/guests (total estimate): 16008.4 Length of pipe in the sewer collection system? \_\_\_\_\_ feet or 15.5 miles (either unit is appropriate.)8.5 Does any bypassing occur in the collection system or at the treatment facility?  Yes  No (If yes, explain.)8.6 Does significant infiltration occur in the collection system?  Yes  No (If yes, explain and attach proposed repair.)

The City of Canton currently owns cameras and is in the process of installing flow monitoring equipment at the various pump stations. The city is very active in monitoring and repairing or eliminating any sources of infiltration that currently exist in the system.

**9. DISCHARGE INFORMATION**9.1 Will the discharge be continuous throughout the year?  Yes  No9.2 Discharge will occur during the following months: all9.3 How many days of the week will the discharge occur? 79.4 Is wastewater land-applied?  Yes  No (If yes, attach Form I.)9.5 Will chlorine be added to the effluent?  Yes  No

If chlorine is added, what is the resulting residual? \_\_\_\_\_ µg/l (micrograms per liter)

9.6 Does this facility discharge to a losing stream or sinkhole?  Yes  No9.7 Has a waste load allocation study been completed for this facility?  Yes  No

10. List all permit violations, including effluent limit exceedances, in the last five years. Attach a separate sheet if necessary. If none, write none.

April 2012 - Exceeded BOD  
 April 2013 - Exceeded BOD  
 May-2014 - Exceeded Ecoli

**11. SLUDGE HANDLING, USE AND DISPOSAL**

11.1 Is the sludge a hazardous waste as defined by 10 CSR 25?  Yes  No  
 Sludge production, including sludge received from others: \_\_\_\_\_ Design Dry Tons/Year \_\_\_\_\_ Actual Dry Tons/Year

11.3 Capacity of sludge holding structures:  
 Sludge storage provided: \_\_\_\_\_ cubic feet; \_\_\_\_\_ days of storage; \_\_\_\_\_ average percent solids of sludge;  
 No sludge storage is provided.

- Type of Storage:  Holding tank  Building  
 Basin  Other (Please describe) \_\_\_\_\_  
 Concrete Pad
- Sludge Treatment:  
 Anaerobic Digester  Lagoon  Composting  
 Storage Tank  Aerobic Digester  Other (Attach description)  
 Lime Stabilization  Air or Heat Drying
- Sludge Use or Disposal:  
 Land Application  Surface Disposal (Sludge Disposal Lagoon, Sludge held for more than two years)  
 Contract Hauler  Incineration  
 Hauled to Another  Sludge Retained in Wastewater treatment lagoon  
 Treatment Facility  Other \_\_\_\_\_ Attach explanation sheet.  
 Solid Waste Landfill
- Person responsible for hauling sludge to disposal facility  
 By Applicant  By Others (complete below)

NAME	E-MAIL ADDRESS
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ADDRESS	CITY	STATE	ZIP CODE
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CONTACT PERSON	TELEPHONE NUMBER WITH AREA CODE	PERMIT NO. MO-
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Sludge use or disposal facility  
 By applicant  By others (Please complete below.)

NAME	E-MAIL ADDRESS
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ADDRESS	CITY	STATE	ZIP CODE
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CONTACT PERSON	TELEPHONE NUMBER WITH AREA CODE	PERMIT NO. MO-
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Does the sludge or biosolids disposal comply with federal sludge regulations under 40 CFR 503?  
 Yes  No (Please explain)

**12. DOWNSTREAM LANDOWNERS - ATTACH ADDITIONAL SHEETS AS NECESSARY. SEE INSTRUCTIONS.**

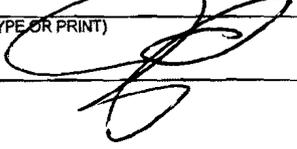
NAME  
Lee St. Clair

ADDRESS 19386 State Hwy B	CITY Canton	STATE Mo	ZIP CODE 63435
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**13. CERTIFICATION**

I certify that I am familiar with the information contained in the application, that 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 the Missouri Clean Water Law.

NAME AND OFFICIAL TITLE (TYPE OR PRINT) Jarrod Phillips (Mayor)	TELEPHONE NUMBER WITH AREA CODE (573) 288-4413
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SIGNATURE 	DATE SIGNED 7-28-14
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