

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 St. Clair
1 Paul Parks Drive
St. Clair, MO 63077

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.

August 17, 2020
Effective Date


Edward B. Galbraith, Director, Division of Environmental Quality

August 16, 2022
Expiration Date


Chris Wieberg, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

The St. Clair WWTF is installing UV disinfection to meet final *E. Coli* effluent limits. As part of the construction, a new headworks building and outfall structure will be built. The mechanically cleaned fine screen in firm channel on a continuous belt, perforated plate configuration, capable of treating a design average flow of 1.06 MGD and a peak flow of 3.18 MGD. A manual bar screen will be provided for redundancy and when the facility needs to do maintenance. An open channel UV disinfection system capable of treating a peak flow of 5.70 MGD. The single open channel UV system consists of three banks in series with 12 lamps per bank, for a total of 36 lamps. The disinfected effluent will flow by gravity through flow measurement equipment and to Outfall No. 001. The design average flow will remain at 1.06 MGD.

This project will also include general site work appropriate to the scope and purpose of the project and all necessary appurtenances to make a complete and usable wastewater treatment facility.

II. COST ANALYSIS FOR COMPLIANCE

Pursuant to Section 644.145, RSMo, when issuing permits under this chapter that incorporate a new requirement for discharges from publicly owned combined or separate sanitary or storm sewer systems or publicly owned treatment works, or when enforcing provisions of this chapter or the Federal Water Pollution Control Act, 33 U.S.C. 1251 et seq., pertaining to any portion of a publicly owned combined or separate sanitary or storm sewer system or [publicly owned] treatment works, the Department of Natural Resources shall make a “finding of affordability” on the costs to be incurred and the impact of any rate changes on ratepayers upon which to base such permits and decisions, to the extent allowable under this chapter and the Federal Water Pollution Control Act. This process is completed through a cost analysis for compliance. Permits that do not include new requirements may be deemed affordable.

The Department is not required to determine Cost Analysis for Compliance because the permit contains no new conditions or requirements that convey a new cost to the facility.

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 consistent with plans and specifications signed and sealed by Archer-Elgin Engineering and as described in this permit.

3. The Department must be contacted in writing prior to making any changes to the 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(11).
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 St. Louis Regional Office per 10 CSR 20-7.015(9)(G).
5. The wastewater treatment facility shall be located above the twenty-five (25)-year flood level.
6. The wastewater facility structures, electrical equipment, and mechanical equipment shall be protected from physical damage by not less than the one hundred- (100-) year flood elevation per 10 CSR 20-8.140(2)(B). The minimum distance between wastewater treatment facilities and all potable water sources shall be at least three hundred feet (300') per 10 CSR 20-8.140(2)(C)1.
7. In addition to the requirements for a construction permit, 10 CSR 20-6.200 requires land disturbance activities of 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 dnr.mo.gov/env/wpp/epermit/help.htm. See 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 dnr.mo.gov/env/wpp/401/ for more information.
9. All construction must adhere to applicable 10 CSR 20-8 (Chapter 8) requirements listed below.
 - Flood protection shall apply to new construction and to existing facilities undergoing major modification. The wastewater facility structures, electrical equipment, and mechanical equipment shall be protected from physical damage by not less than the one hundred- (100-) year flood elevation. 10 CSR 20-8.140 (2) (B)
 - Unless another distance is determined by the Missouri Geological Survey or by the department's Public Drinking Water Branch, the minimum distance between wastewater treatment facilities and all potable water sources shall be at least three hundred feet (300'). 10 CSR 20-8.140 (2) (C) 1.

- Facilities shall be readily accessible by authorized personnel from a public right-of-way at all times. 10 CSR 20-8.140 (2) (D)
- The alarm shall be activated in cases of high water levels. Follow the provisions in subsection (7)(C) of this rule for alarm systems. 10 CSR 20-8.140 (4) (D)
- The outfall shall be so constructed and protected against the effects of flood water, ice, or other hazards as to reasonably ensure its structural stability and freedom from stoppage. 10 CSR 20-8.140 (6) (A)
- All sampling points shall be designed so that a representative and discrete twenty-four (24) hour automatic composite sample or grab sample of the effluent discharge can be obtained at a point after the final treatment process and before discharge to or mixing with the receiving waters. 10 CSR 20-8.140 (6) (B)
- All outfalls shall be posted with a permanent sign indicating the outfall number (i.e., Outfall #001). 10 CSR 20-8.140 (6) (C)
- All wastewater treatment facilities shall be provided with an alternate source of electric power or pumping capability to allow continuity of operation during power failures. 10 CSR 20-8.140 (7) (A) 1.
- Disinfection and dechlorination, when used, shall be provided during all power outages. 10 CSR 20-8.140 (7) (A) 2 and 10 CSR 20-8.190 (2) (A).
- Electrical systems and components in raw wastewater or in enclosed or partially enclosed spaces where hazardous concentrations of flammable gases or vapors that are normally present, shall comply with the NFPA 70 *National Electric Code (NEC)* (2017 Edition), as approved and published August 24, 2016, requirements for Class I, Division 1, Group D locations. 10 CSR 20-8.140 (7) (B)
- A means of flow measurement shall be provided at all wastewater treatment facilities. 10 CSR 20-8.140 (7) (E)
- Effluent twenty-four (24) hour composite automatic sampling equipment shall be provided at all mechanical wastewater treatment facilities and at other facilities where necessary under provisions of the operating permit. 10 CSR 20-8.140 (7) (F)
- The materials utilized for storage, piping, valves, pumping, metering, and splash guards, etc., for chemical handling, shall be specially selected considering the physical and chemical characteristics of each hazardous or corrosive chemical. 10 CSR 20-8.140 (9) (A) 1.
- The identification and hazard warning data included on chemical shipping containers, when received, shall appear on all containers (regardless of size or type) used to store, carry, or use a hazardous substance. 10 CSR 20-8.140 (9) (E)
- All wastewater treatment facilities must have a screening device, comminutor, or septic tank for the purpose of removing debris and nuisance materials from the influent wastewater. 10 CSR 20-8.150 (2)
- All screening devices and screening storage areas shall be protected from freezing. 10 CSR 20-8.150 (4) (A) 1.
- Provisions shall be made for isolating or removing screening devices from their location for servicing. 10 CSR 20-8.150 (4) (A) 2.
- Manually cleaned screen channels shall be protected by guard railings and deck gratings with adequate provisions for removal or opening to facilitate raking. 10 CSR 20-8.150 (4) (A) 3. A. (I)
- Mechanically cleaned screen channels shall be protected by guard railings and deck gratings. 10 CSR 20-8.150 (4) (A) 3. A. (II)

- Mechanical screening equipment shall have adequate removal enclosures to protect facility personnel against accidental contact with moving parts and to prevent dripping in multi-level installations. 10 CSR 20-8.150 (4) (A) 3. B. (I)
- A positive means of locking out each mechanical screening device shall be provided. 10 CSR 20-8.150 (4) (A) 3. B. (II)
- An emergency stop button with an automatic reverse function shall be located in close proximity to the mechanical screening device. 10 CSR 20-8.150 (4) (A) 3. B. (III)
- Electrical systems and components in raw wastewater or in enclosed or partially enclosed spaces where hazardous concentrations of flammable gases or vapors that are normally present, shall comply with the NFPA 70 *National Electric Code (NEC)* (2017 Edition), as approved and published August 24, 2016, requirements for Class I, Division 1, Group D locations. 10 CSR 20-8.140 (7) (B)
- Provisions for location and safety of comminutors shall be in accordance with screening devices,
 - Manually cleaned channels shall be protected by guard railings and deck gratings with adequate provisions for removal or opening to facilitate raking. 10 CSR 20-8.150 (4) (A) 3. A. (I)
 - Mechanically cleaned channels shall be protected by guard railings and deck gratings. 10 CSR 20-8.150 (4) (A) 3. A. (II)
 - Mechanical equipment shall have adequate removal enclosures to protect facility personnel against accidental contact with moving parts and to prevent dripping in multi-level installations. 10 CSR 20-8.150 (4) (A) 3. B. (I)
 - A positive means of locking out each mechanical device shall be provided. 10 CSR 20-8.150 (4) (A) 3. B. (II)
 - An emergency stop button with an automatic reverse function shall be located in close proximity to the mechanical device. 10 CSR 20-8.150 (4) (A) 3. B. (III)
 - Electrical systems and components in raw wastewater or in enclosed or partially enclosed spaces where hazardous concentrations of flammable gases or vapors that are normally present, shall comply with the NFPA 70 *National Electric Code (NEC)* (2017 Edition), as approved and published August 24, 2016, requirements for Class I, Division 1, Group D locations. 10 CSR 20-8.140 (7) (B)
- The UV dosage shall be based on the design peak hourly flow, maximum rate of pumpage, or peak batch flow. 10 CSR 20-8.190 (5) (A) 1.
- If no flow equalization is provided for a batch discharger, the UV dosage shall be based on the peak batch flow. 10 CSR 20-8.190 (5) (A) 2.
- The UV system shall deliver the target dosage based on equipment derating factors and, if needed, have the UV equipment manufacturer verify that the scale up or scale down factor utilized in the design is appropriate for the specific application under consideration. 10 CSR 20-8.190 (5) (A) 3.
- Open channel UV systems. The combination of the total number of banks shall be capable of treating the design peak hourly flow, maximum rate of pumpage, or peak batch flow. 10 CSR 20-8.190 (5) (B) 1.
- The UV system must continuously monitor and display at the UV system control panel the following minimum conditions:
 - The relative intensity of each bank or closed vessel system; 10 CSR 20-8.190 (5) (C) 1. A.

- The operational status and condition of each bank or closed vessel system; 10 CSR 20-8.190 (5) (C) 1. B.
- The ON/OFF status of each lamp in the system; 10 CSR 20-8.190 (5) (C) 1. C. and
- The total number of operating hours of each bank or each closed vessel system. 10 CSR 20-8.190 (5) (C) 1. D.
- The UV system shall include an alarm system. Alarm systems shall comply with 10 CSR 20-8.140(7)(C). 10 CSR 20-8.190 (5) (C) 2.

10. Upon completion of construction:

- A. The City of St. Clair will become the continuing authority for operation and maintenance of these facilities;
- B. Submit an electronic copy of the as builts if the project was not constructed in accordance with previously submitted plans and specifications; and
- C. Submit the enclosed form Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(N). When the facility applies for their next operating permit renewal, they will be expected to include an updated facility description on their application.

IV. REVIEW SUMMARY

1. CONSTRUCTION PURPOSE

Construction is to meet final effluent limits for *E. Coli* that become effective January 1, 2021.

2. FACILITY DESCRIPTION

The St. Clair WWTF is located at Highway AB and Happy Sac Road Intersection, St. Clair, in Franklin County, Missouri. The facility has a design average flow of 1.06 MGD and serves a hydraulic population equivalent of approximately 10,600 people.

3. COMPLIANCE PARAMETERS

The proposed project is required to meet final *E. Coli monthly* effluent limits of 206 # per 100 mL as established in Operating Permit MO-0099465.

4. REVIEW of MAJOR TREATMENT DESIGN CRITERIA

Existing major components which will remain in use include the following:

- Manual bar screen and peak flow splitter

- The Wet Weather Treatment Train consists of a peak flow pump station and a peak flow clarifier. Peak flows are conveyed to the Peak Flow Pump Station which consists of duplex, submersible, non-clog centrifugal pumps. Peak flow pumps are 20 Hp Flygt CP3152 MT rated for 800 gpm at 40 ft TDH. The Peak Flow Pump Station discharges to a 10 inch diameter force main which conveys flows to the Peak Flow Clarifier.
 - Peak Flow Clarifier consists of 45 ft diameter peripheral feed clarifier having a sidewater depth of 10 ft.
 - Flow from the Peak Flow Pump Station is discharged on the western edge of the Peak Flow Clarifier. An inlet baffle directly flow to the annular space between the clarifier tank wall and skirt. Settleable solids are allowed to settle from solution. Clarifier effluent is directed to the downstream Effluent Collection Box, were it is blended with plant effluent.
- Influent Pump Station
- Oxidation Ditch – The facility has 2 existing oxidation ditches.
 - Oxidation Ditch #1 is 185 ft long with a 13.5 ft end-return radius measured along the centerline of the ditch with a calculated volume of 517,115 gal.
 - The ditch has a trapezoidal cross section, with an 11 ft base width and a 30 ft top width.
 - The design HRT is 29.7 hours with a MLSS of 3500 mg/L and a F/M ratio of 0.075.
 - Aeration and mixing of mixed liquor is performed utilizing two (2) horizontal-axis, brush-style rotors. The rotors are 42-inch diameter Envirodyne rotors. Each rotor is 20 feet long (bladed portion of rotor is 19 ft long) and equipped with 25 Hp motors.
 - At the design immersion of 9.5 inches, the aeration equipment has the capacity to provide 123 SCFH.
 - The air delivery capacity can be increased to 163 SCFH by increasing the operating water depth from 8.0 ft to 8.38 ft.
 - Oxidation Ditch #2 is 168 ft long with a 11.75 ft end-return radius measured along the centerline of the ditch with an operating water depth of 8 ft and a calculated volume of 564,057 gal.
 - The ditch has a rectangular cross section, with a 23 ft width.
 - The design HRT is 32.4 hours with a MLSS of 3500 mg/L and a F/M ratio of 0.070.
 - The Aeration and mixing of mixed liquor is performed utilizing two (2) horizontal-axis, brush-style rotors. The rotors are 42-inch diameter Envirodyne rotors. Each rotor is 22 feet long (bladed portion of rotor is 20 ft long) and equipped with 25 Hp motors.
 - At the design immersion of 9.5 inches, the aeration equipment has the capacity to provide 129 SCFH.

- The air delivery can be increased to 172 SCFH by increasing the operating water depth from 8.0 ft to 8.38 ft
- Secondary Clarifiers #1 and #2 were constructed in 1979 and consist of 30-ft diameter centerfeed clarifiers with outboard launder trough and 8.0 ft sidewater depth.
- Secondary Clarifier #3 was constructed in 1999 and consists of a 40-ft diameter centerfeed clarifier with inboard launder troughs and 12.0 ft sidewater depth.
- Secondary Clarifiers #1/#2 discharge to RAS/WAS Pump Station #1 and Secondary Clarifier #3 discharges to RAS/WAS Pump Station #2. Both RAS/WAS pump stations are duplex pump stations with submersible, non-clog, centrifugal pumps. RAS/WAS Pumps are 10 Hp Flygt Concertor N100-7800 pumps having a design capacity of 975 gpm at 25 ft TDH. RAS/WAS Pump Station #1 is designed to convey sludge to Oxidation Ditch #1 or Sludge Holding Basin #1. RAS/WAS Pump Station #2 is designed to convey sludge to Oxidation Ditch #2 or Sludge Holding Basin #2.
- Parshall Flume – A 12-inch throat effluent parshall flume with ultrasonic flow sensor shall measure the secondary treated and disinfected wastewater prior to discharge at Outfall No. 001.
- Generator

Construction will cover the following items:

- Screening – Installation of screening devices removes nuisance inorganic materials from raw wastewater. A new headworks building will be constructed for the screening and flow measurement devices.
- Mechanical Fine Screen – The mechanically cleaned fine screen in firm channel on a continuous belt, perforated plate configuration. The approach channel velocity will be in excess of 1.25 fps but less than 3.0 fps. The fine screen shall be capable of treating a design average flow of 1.06 MGD and a peak flow of 3.18 MGD. The addition of a washer/compactor and screenings conveyor will mitigate the increased volume of screenings captured by washing, dewatering, and compacting the screenings prior to disposal. The screening structure is followed by influent flow measurement.
- Manual Bar Screen-The inch manual bar screen will provide backup to the fine screen. The manual bar screen will be spaced at 1 ¾ inch, providing a clear opening of 1 ½-inch and be positioned at an angle of 60 degrees from the horizontal to allow for manual raking of the screen.
- Flow Measurement – Installation of accurate flow measurement devices will give the treatment facility a means of improved data analysis.
 - Parshall Flume – A 12-inch throat influent parshall flume with ultrasonic flow sensor shall measure the raw influent wastewater following screening.
- Disinfection – Disinfection is the process of removal, deactivation, or killing of pathogenic microorganisms. Flows will come from the effluent mixing box, which mixes the flow from the treatment plant and from the peak flow clarifier.

- Open Channel Ultraviolet (UV) – An open channel, gravity flow, low pressure high intensity UV disinfection system capable of treating a peak flow of 5.70 MGD while delivering a minimum UV intensity of 30 mJ/cm² with an expected ultraviolet transmissivity of 60% or greater. The single open channel UV system consists of three banks in series with 12 lamps per bank, for a total of 36 lamps. The disinfected effluent will flow by gravity through flow measurement equipment and to Outfall No. 001.
 - The rectangular open channel will have a total depth of 6.23 ft with a water depth of 3.41 ft and a width of 2.46 ft
 - The channel velocity at design average flow is 0.1845 fps and at peak flow of 1.05 fps.
- Spacing provided for a 4th bank to be installed in the future.
- The existing outfall structure will be demolished and a new outfall structure will be constructed at the same location. The new outfall structure will have riprap

5. OPERATING PERMIT

These construction activities do not require a modification to the operating permit. It is expected that the facility owner will include a new facility description and process flow diagram in their next operating permit renewal application to reflect the installation of the ultraviolet disinfection system and headworks improvements.

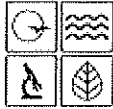
V. NOTICE OF RIGHT TO APPEAL

If you were adversely affected by this decision, you may be entitled to an appeal before the Administrative Hearing Commission (AHC) pursuant to 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. Any appeal should be directed to:

Administrative Hearing Commission
U.S. Post Office Building, Third Floor
131 West High Street, P.O. Box 1557
Jefferson City, MO 65102-1557
Phone: 573-751-2422
Fax: 573-751-5018
Website: <https://ahc.mo.gov>

Leasue Meyers, EI
Engineering Section
leasue.meyers@dnr.mo.gov

Cindy LePage, P.E.
Engineering Section
cindy.lepage@dnr.mo.gov



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

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEE RECEIVED	CHECK NO.
DATE RECEIVED	

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: _____ Project #: _____
 - 1.2 Has the Missouri Department of Natural Resources approved the proposed project's antidegradation review?
 YES Date of Approval: 5/18/20 N/A
 - 1.3 Has the department approved the proposed project's facility plan*?
 YES Date of Approval: 4/14/20 NO (If No, complete No. 1.4.)
 - 1.4 [Complete only if answered No on No. 1.3.] Is a copy of the facility plan* for wastewater treatment facilities included with this application?
 YES NO Exempt because _____
 - 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 and fee submittal. Denote which form: A B B2
 N/A: However, In the event the department believes that my operating permit requires revision to permit limitation such as changing equivalent to secondary limits to secondary limits or adding total residual chlorine limits, please share a draft copy prior to public notice? YES NO
 - 1.8 Is the facility currently under enforcement with the department or the Environmental Protection Agency? YES NO
 - 1.9 Is the appropriate fee or JetPay confirmation included with this application? YES NO
 See Section 7.0
- * Must be affixed with a Missouri registered professional engineer's seal, signature and date.

2.0 PROJECT INFORMATION

2.1 NAME OF PROJECT St. Clair WWTF Improvements	2.2 ESTIMATED PROJECT CONSTRUCTION COST \$ 1,930,000.00
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2.3 PROJECT DESCRIPTION
 The project involves the construction of a new influent headworks facility and UV disinfection facility for secondary treatment and wet weather flows. The construction of a new outfall structure is proposed; the existing outfall location will be used.

2.4 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION
 Sludge is stored in concrete basins at the wastewater treatment plant site and hauled off for proper disposal,

2.5 DESIGN INFORMATION
 A. Current population: 6924; Design population: 8259
 B. Actual Flow: 0.77 m gpd; Design Average Flow: 1.06 m gpd;
 Actual Peak Daily Flow: 2.65 m gpd; Design Maximum Daily Flow: 3.16 m gpd; Design Wet Weather Event: 5.70 m gpd

2.6 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 St. Clair WWTP		TELEPHONE NUMBER WITH AREA CODE 636-629-0333	E-MAIL ADDRESS publicworks@stclairmo.us	
ADDRESS (PHYSICAL) 383 Highway Ab	CITY St. Clair	STATE MO	ZIP CODE 63077	COUNTY USA

Wastewater Treatment Facility: Mo- 0099465 (Outfall #001 Of 001)

3.1 Legal Description: SE ¼, SE ¼, SW ¼, Sec. 23, T 42N, R 1W
(Use additional pages if construction of more than one outfall is proposed.)

3.2 UTM Coordinates Easting (X): 623668 Northing (Y): 4210518
For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)

3.3 Name of receiving streams: Happy Sock Creek

4.0 PROJECT OWNER

NAME City of St. Clair		TELEPHONE NUMBER WITH AREA CODE 636-629-0333	E-MAIL ADDRESS publicworks@stclairmo.us	
ADDRESS #1 Paul Parks Drive	CITY St. Clair	STATE MO	ZIP CODE 63077	

5.0 CONTINUING AUTHORITY: A continuing authority is a company, business, entity or person(s) that will be operating the facility and/or ensuring compliance with the permit requirements.

NAME City of St. Clair		TELEPHONE NUMBER WITH AREA CODE 636-629-0333	E-MAIL ADDRESS publicworks@stclairmo.us	
ADDRESS #1 Paul Parks Drive	CITY St. Clair	STATE MO	ZIP CODE 63077	

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 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? YES 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? YES NO
- D. 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 Ken Campbell / Archer-Elgin Engineering & Surveying		TELEPHONE NUMBER WITH AREA CODE (573)- 364- 6362	E-MAIL ADDRESS kcampbell@cmarcher.com	
ADDRESS 310 E. 6th Street	CITY Rolla	STATE MO	ZIP CODE 65401	

7.0 APPLICATION FEE

CHECK NUMBER JETPAY CONFIRMATION NUMBER

8.0 PROJECT OWNER: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

PROJECT OWNER SIGNATURE

PRINTED NAME Travis Dierker	DATE
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TITLE OR CORPORATE POSITION City Administrator	TELEPHONE NUMBER WITH AREA CODE 636-629-0333	E-MAIL ADDRESS cityadmin@Stclairmo.us
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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.