

MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

Michael L. Parson
Governor

Dru Buntin
Director

June 13, 2023

Francis Marchese
Marchese WWTF
6622 El Terra Rd.
Osage Beach, MO 65065

RE: Membrane Bioreactor Treatment Plant-Marchese Wastewater Treatment Facility, MOGD,
Construction Permit No. CP0002361, Camden County

Dear Francis Marchese:

The Missouri Department of Natural Resources' Water Protection Program has reviewed the plans and specifications submitted by Jim Jackson, Jr., PE with Lake Professional Engineering for the Marchese Wastewater Treatment Plant. Please find enclosed Construction Permit No. CP0002361. Upon completing construction covered under this permit submit a Statement of Work Completed form (<https://dnr.mo.gov/document-search/wastewater-construction-statement-work-completed-mo-780-2155>) to the Department in accordance with 10 CSR 20-6.010(5)(N).

This permit will expire 24 months from the date of issuance. In accordance with 10 CSR 20-6.010(5)(J), the Department may grant an extension. 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. Expired construction permits require submittal of a new application and fee.

You must submit the enclosed form Statement of Work Completed to the Department upon completion of construction in accordance with 10 CSR 20-6.010(5)(N) with a request to issue the operating permit. The operating permit modification fee of \$150 needs to be paid.

This construction permit does not supersede any requirements of the operating permit or enforcement actions. Nothing in this permit removes any obligations to comply with county or other local ordinances or restrictions.

If you have any questions concerning this matter, please contact Leasue Meyers, of the Water Protection Program by phone at 573-751-7906 or by email at leasue.meyers@dnr.mo.gov. You may also submit questions or comments in writing to the Department of Natural Resources, P.O. Box 176, Jefferson City, MO 65102.

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



Sincerely,

WATER PROTECTION PROGRAM

A handwritten signature in black ink that reads "Cindy LePage". The signature is written in a cursive style with a large initial 'C' and 'L'.

Cindy LePage, P.E., Chief
Engineering Section

CL:lmj

Enclosures

c: Jim Jackson Jr., P.E., Lake Professional Engineering Services, Inc.

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

Francis Marchese
Marchese WWTF
6618 El Terra Rd.
Osage Beach, MO 65065

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 13, 2023
Effective Date

June 12, 2025
Expiration Date



John Hoke, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

The Marchese WWTF is designed for domestic wastewater with a design average flow of 555 gpd, peak flow of 740 gpd, and serves a hydraulic population equivalent of 7.4 people. This facility will serve 2 residential lots. Construction will include a 2,000 gallon septic tank, a 500 gallon pump tank with a pump capable of operating at 10 gpm with 42 ft of head, and a 1,500 gallon membrane bioreactor (MBR) with a design flux rate of 4.55 gallons/ft²/day at peak flow.

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 complete a cost analysis for compliance because the facility is not a combined or separate sanitary sewer system for a publically-owned treatment works.

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 Jim Jackson, Jr. with Lake Professional Engineering, Inc. 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 Central Field Office per 10 CSR 20-7.015(9)(G).
5. 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).
6. 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 <https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem>. See <https://dnr.mo.gov/data-e-services/water/electronic-permitting-epermitting> for more information.
7. A United States Army Corps of Engineers (USACE) Clean Water Act Section 404 Department of the Army permit and a Section 401 Water Quality Certification issued by the Department may be required for the activities described in this permit. This permit is not valid until these requirements are satisfied or notification is provided that no Section 404 permit is required by the USACE. You must contact your local USACE district since they determine what waters are jurisdictional and which permitting requirements may apply. You may call the Department's Water Protection Program, Operating Permits Section at 573-522-4502 for more information. See <https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/section-401-water-quality> for more information.
8. 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
 - 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 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.
- 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)
- An audiovisual alarm or a more advanced alert system, with a self-contained power supply, capable of monitoring the condition of equipment whose failure could result in a violation of the operating permit, shall be provided for all wastewater treatment facilities. 10 CSR 20-8.140 (7) (C)
- No piping or other connections shall exist in any part of the wastewater treatment facility that might cause the contamination of a potable water supply. 10 CSR 20-8.140 (7) (D) 1.
- Where a potable water supply is to be used for any purpose in a wastewater treatment facility other than direct connections, a break tank, pressure pump, and pressure tank or a reduced pressure backflow preventer consistent with the department's Public Drinking Water Branch shall be provided. 10 CSR 20-8.140 (7) (D) 3. A.
- For indirect connections, a sign shall be permanently posted at every hose bib, faucet, hydrant, or sill cock located on the water system beyond the break tank or backflow preventer to indicate that the water is not safe for drinking. 10 CSR 20-8.140 (7) (D) 3. B.
- Where a separate non-potable water supply is to be provided, a break tank will not be necessary, but all system outlets shall be posted with a permanent sign indicating the water is not safe for drinking. 10 CSR 20-8.140 (7) (D) 4.
- 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)
- Adequate provisions shall be made to effectively protect facility personnel and visitors from hazards. The following shall be provided to fulfill the particular needs of each wastewater treatment facility:
 - Fencing. Enclose the facility site with a fence designed to discourage the entrance of unauthorized persons and animals; 10 CSR 20-8.140 (8) (A)
 - Gratings over appropriate areas of treatment units where access for maintenance is necessary; 10 CSR 20-8.140 (8) (B)
 - First aid equipment; 10 CSR 20-8.140 (8) (C)
 - Posted "No Smoking" signs in hazardous areas; 10 CSR 20-8.140 (8) (D)
 - Appropriate personal protective equipment (PPE); 10 CSR 20-8.140 (8) (E)
 - Portable blower and hose sufficient to ventilate accessed confined spaces; 10 CSR 20-8.140 (8) (F)
 - Provisions for local lockout/tagout on stop motor controls and other devices; 10 CSR 20-8.140 (8) (L)

- 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)
- A septic tank must have a minimum capacity of at least one thousand (1,000) gallons. 10 CSR 20-8.180 (2) (A)
- The septic tank shall be baffled. 10 CSR 20-8.180 (2) (B)
- Membrane Bioreactor design flux criteria must be satisfied with one (1) membrane module out-of-service (e.g., for external clean in place, recovery cleaning, repair). For purposes of these criteria, a membrane module is the smallest membrane unit capable of separate removal from the tank while maintaining operation of other membrane units in the same tank. 10 CSR 20-8.180 (7) (A) 2.
- Membranes placed in the aeration basin(s) rather than a separate membrane tank shall have—
 - Individual modules and individual diffusers that can be removed separately for maintenance and repair; 10 CSR 20-8.180 (7) (A) 3. A. and
 - Aeration basin(s) volume sized for complete nitrification; 10 CSR 20-8.180 (7) (A) 3. B.
- Membrane Bioreactor preliminary treatment systems shall be consistent with the membrane manufacturer recommendations; 10 CSR 20-8.180 (7) (B) 1.
- Grit removal facilities are required for wastewater treatment facilities that utilize membrane bioreactors for secondary treatment. 10 CSR 20-8.150 (6) and 10 CSR 20-8.180 (7) (B) 2.
- Membrane Bioreactors shall provide oil and grease removal when the levels in the influent may cause damage to the membranes; 10 CSR 20-8.180 (7) (B) 3.
- Membrane Bioreactors shall provide a fine screen and high water alarm, designed to treat peak hourly flow. Coarse screens followed by fine screens may be used in larger facilities to minimize the complications of fine screening; and 10 CSR 20-8.180 (7) (B) 4.
- Membrane Bioreactor preliminary treatment shall comply with 10 CSR 20-8.150(4)(B) for reliability. 10 CSR 20-8.180 (7) (B) 5.
- The Membrane Bioreactor's aeration blowers must provide adequate air for membrane scour and process demands. 10 CSR 20-8.180 (7) (C)
- Redundancy. The Membrane Bioreactor shall have at least one (1) of the following:
 - The ability to run in full programmable logic control (PLC) or standby power mode in case of an automatic control failure; 10 CSR 20-8.180 (7) (D) 1.
 - An operational battery backup PLC if manual control is not possible; or 10 CSR 20-8.180 (7) (D) 2.
 - Sufficient standby power generating capabilities to provide continuous flow through the membranes during a power outage (e.g., preliminary screening, process aeration, recycle/RAS/permeate pumps, air scour, vacuum pumps) or an adequate method to handle flow for an indefinite period (e.g., private control of influent combined with contingency methods). 10 CSR 20-8.180 (7) (D) 3.
- Operations and Maintenance. The MBR design shall—

- Include provisions to monitor membrane integrity; 10 CSR 20-8.180 (7) (E) 1.
 - Provide on-line continuous turbidity monitoring of filtrate or an equivalent for operational control and indirect membrane integrity monitoring for a treatment plant with design average flow greater than or equal to one hundred thousand gallons per day (100,000 gpd); 10 CSR 20-8.180 (7) (E) 2. and
 - Include provisions to remove membrane cassette for cleaning considering the membrane cassette wet weight plus additional weight of the solids accumulated on the membranes. 10 CSR 20-8.180 (7) (E) 3.
9. Upon completion of construction:
- A. Francis Marchese 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;
 - C. Submit the enclosed form Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(N); and
 - D. Submit a Form B - Application for an Operating Permit for Domestic or Municipal Wastewater ($\leq 100,000$ gallons per day) and the operating permit fee of \$150 to the Engineering Section of the Water Protection Program. Identify that the application is for a General permit for land application of domestic wastewater, MO-G8D.

IV. REVIEW SUMMARY

1. FACILITY DESCRIPTION

The Marchese WWTF is located at 6618 El Terra Road, Osage Beach, Camden County, Missouri. The facility is designed for domestic wastewater with a design average flow of 555 gpd, peak flow of 740 gpd, and serves a hydraulic population equivalent of 7.4 people. This facility will serve 2 residential lots.

2. COMPLIANCE PARAMETERS

The proposed project is required to meet the requirements of MOGD00000 Table E-1 and E-2 with an expiration date of June 30, 2024, as established in the Antidegradation Review dated October 2020. The facility will be required to meet the following effluent limits upon completion of construction.

Parameter	Units	Monthly Average Limit
Flow	Gpd	*
Biochemical Oxygen Demands	mg/L	10
Total Suspended Solids	mg/L	15

Ammonia as N-summer	mg/L	1.4
Ammonia as N-winter	mg/L	2.9
<i>E. coli</i>	#/100mL	126
Total Phosphorus	mg/L	0.5
pH	SU	6.5-9.0

3. ANTIDegradation

The Department has reviewed the antidegradation report for this facility and issued the Water Quality and Antidegradation Review dated October 2020, due to this being a new facility with a design flow of 555 gpd discharging to Lake of the Ozarks.

4. REVIEW of MAJOR TREATMENT DESIGN CRITERIA

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

- Collection System – Portions of the existing service connection and collection system may be utilized as built.

Construction will cover the following items:

- Components are designed for a Population Equivalent of 7.4 based on organic loading to the system.
- Installation of approximately 25 lf of 4 inch PVC gravity pipe.
- Septic Tank – A septic tank provides passive primary treatment as the settleable solids in raw wastewater settle onto the bottom of the tank. Raw wastewater will flow by gravity to the 2,000 gallon septic tank. When the water level reaches a certain height, the wastewater flows into a pump tank by gravity via two tee-drop pipes. The septic tank provides approximately 3.6 days of detention at design average flow. Settled solids in the septic tank shall be removed by a contract hauler.
- Pump Tank – A 500 gallon pump tank will provide an additional 0.9 days of detention at design average flow.
 - The pumped wastewater will discharge to the Membrane Bioreactor through approximately 14 lf of 1 inch PVC pipe.
 - The pump is capable of operating at 10 gpm with 42 feet of head.
 - Settled solids in the pump tank shall be removed by a contract hauler.
- Membrane Bioreactor (MBR) — The proposed MBR system is by BioMicrobics BioBarrier 1.5. The system will be 1-1,500 gallon system.
 - The membrane is a flat plate membrane utilizing a combination of ultrafiltration and microfiltration.

- The design flux rate through the membranes at peak flow is 4.55 gallons/ft²/day (7.74 lmh) at peak flow of 740 gpd with a maximum operating flux of 8.82 gallons/ft²/day (15 lmh).
- The surface area of the membranes is 21 m²
- The filtration rate through the membranes is 1.39 gpm
- The minimum design SRT is 30 days with a 48.65 hour HRT at peak flows.
- The maximum MLSS is 10,000 mg/L
- The maximum F/M ratio at design flow 0.15
- Total air supplied through the membrane is 40 scfm which is greater than the required 8.3 scfm at peak flow.
- Disinfection is not proposed for this system because it utilizes ultrafiltration. The BioMicrobics system has been tested by National Science Foundation (NSF) and found to have an overall fecal coliform from 1.0 cfu/100 mL to 1.6 cfu/100 mL. In test done under the NSF Standard 350, the BioBarrier had a geometric average E. Coli of 1.3 MPN/100 mL.
- Flow measurement— Installation of accurate flow measurement devices will give the treatment facility a means of improved data analysis.
 - Effluent will be measured through a calibrated V-notch weir prior to discharge to Outfall #001. This measurement device does not include flow totalizing or recording.
- Outfall #001 – The outfall consists of a discharge pipe. Effluent samples are collected at the sampling port directly upstream of Outfall #001.
 - Installation of 6 inch PVC pipe from the MBR through the sample port and concrete seawall for a direct discharge into Lake of the Ozarks.
- Emergency operations- During power outages, no influent can be pumped into the system and the septic tanks prior to the pump tank provide more than a day of hydraulic storage capacity. In the event of longer power outages, the facility has access to rent a generator as necessary and in the event of equipment failure, replacement parts can be received the next day from the manufacturer.

5. OPERATING PERMIT

A neighbor notification letter dated March 3, 2021 was provided by the neighboring residence property owner, Richard Turlington. This letter described Richard Turlington's awareness of the project and his awareness of the 300 foot setback and the 50 foot setback from property line. Richard Turlington stated in the letter that he waived the setback requirement.

After the completion of the construction project, please submit the following:

- Form MO 780-2155, Wastewater Construction Statement of Work Completed (<https://dnr.mo.gov/forms/780-2155-f.pdf>),
- As-builts if the project was not constructed in accordance with previously submitted plans and specifications,

- Submit Form MO 780-1512, Form B - Application for Operating Permit for Facilities That Receive Primarily Domestic Waste and Have a Design Flow Less Than or Equal to 100,000 gallons per day (<https://dnr.mo.gov/forms/780-1512-f.pdf>), and
- Application Fee of \$150.

Missouri State Operating Permit, General Permit MO-GD, will be issued after receipt of the above documents.

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

Chia-Wei Young, P.E.
Engineering Section
chia-wei.young@dnr.mo.gov

APPENDIX A- PROCESS FLOW DIAGRAM

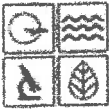


CP0002361

Ap: 41862

RECEIVED

MAR 21 2023



MISSOURI DEPARTMENT OF NATURAL RESOURCES
WATER PROTECTION PROGRAM

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

Water Protection Program

FOR DEPARTMENT USE ONLY	
APP NO.	CP NO.
FEE RECEIVED #100602	CHECK NO. 3428
DATE RECEIVED	3-21-23 JB

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: _____ N/A
- 1.3 Has the department approved the proposed project's facility plan*?
 YES Date of Approval: _____ 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 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 Marchese WWTP	2.2 ESTIMATED PROJECT CONSTRUCTION COST \$ 60,000
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2.3 PROJECT DESCRIPTION
2 Advantex AX20 Recirc Tank 2 UV lights Arox tank Recirc Stage II tank AX20 Polish filter for 2 Homes

2.4 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION
ATA Septic - Septic tank

2.5 DESIGN INFORMATION

A. Current population: 7.4; Design population: 7.4

B. Actual Flow: 555 gpd; Design Average Flow: 555 gpd;
Actual Peak Daily Flow: 2000 gpd; Design Maximum Daily Flow: 555 gpd; Design Wet Weather Event: 0

- 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 <u>Marchese WWTP</u>		TELEPHONE NUMBER WITH AREA CODE <u>573-348-6337</u>		E-MAIL ADDRESS
ADDRESS (PHYSICAL) <u>6618 El Terra Rd</u>		CITY <u>Osage Beach</u>	STATE <u>MO</u>	ZIP CODE <u>65065</u>
Wastewater Treatment Facility: Mo- (Outfall Of)				
3.1 Legal Description: _____ 1/4, _____ 1/4, _____ 1/4, Sec. <u>23</u> , T <u>39</u> , R <u>16</u> (Use additional pages if construction of more than one outfall is proposed.)				
3.2 UTM Coordinates Easting (X): _____ Northing (Y): _____ For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)				
3.3 Name of receiving streams: <u>Lake of the Ozarks</u>				
4.0 PROJECT OWNER				
NAME <u>Francis Marchese</u>		TELEPHONE NUMBER WITH AREA CODE <u>573-348-6337</u>		E-MAIL ADDRESS
ADDRESS <u>6622 El Terra Rd</u>		CITY <u>Osage Beach</u>	STATE <u>MO</u>	ZIP CODE <u>65065</u>
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 <u>Francis Marchese</u>		TELEPHONE NUMBER WITH AREA CODE <u>573-348-6337</u>		E-MAIL ADDRESS
ADDRESS <u>6622 El Terra Rd</u>		CITY <u>Osage Beach</u>	STATE <u>MO</u>	ZIP CODE <u>65065</u>
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 <u>Jim Jackson Jr Lake PE</u>		TELEPHONE NUMBER WITH AREA CODE <u>573-873-3898</u>		E-MAIL ADDRESS <u>Jim.Jackson.Jr@Charter.net</u>
ADDRESS <u>83 Oak Tree Rd</u>		CITY <u>Camdenton</u>	STATE <u>MO</u>	ZIP CODE <u>65020</u>
7.0 APPLICATION FEE				
<input checked="" type="checkbox"/> CHECK NUMBER <u>3106</u> <input type="checkbox"/> 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 <u>Francis Marchese</u>				
PRINTED NAME <u>Francis Marchese</u>				DATE
TITLE OR CORPORATE POSITION <u>Owner</u>		TELEPHONE NUMBER WITH AREA CODE		E-MAIL ADDRESS
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.				