

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

Jake and Andi Elliot
Lake Life Family RV Resort LLC
7703 E. Highway 7
Clinton, MO 64735

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.

November 23, 2021
Effective Date

November 22, 2023
Expiration Date


Chris Wieberg, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

This new facility will be constructed as an RV Park with a Low Pressure Piping (LPP) subsurface wastewater dispersal system. For both East 1 and East 2, the LPP system will have a design flow of 9,180 gpd and serve a population equivalent of 204 PE. The subsurface dispersal system will include a gravity collection system, septic tanks, pump tank, and LPP dispersal trenches for each system.

CP0002272 will permit the construction of East 1 and East 2. East 1 and East 2 together are labeled as the “East Half” of the development. The property owner may develop this site further with additional treatment capacity depending on the growth of the business.

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 Martin Heins with OCD Services, LLC 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 Kansas City Regional Office per 10 CSR 20-7.015(9)(G).
5. The completed project shall be field tested to verify actual pumped volume of each dose. The timer controls shall be set to ensure a dosing rate not to exceed the allowable rate of 0.25 gallons per square foot per day.
6. The wastewater treatment facility shall be located above the twenty-five (25)-year flood level.
7. 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.
8. 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.
9. 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.
10. All construction must adhere to applicable 10 CSR 20-8 (Chapter 8) requirements listed below.

- Rain water from roofs, streets, and other areas and groundwater from foundation drains shall be excluded from all new sewers. 10 CSR 20-8.120 (2)
- Service connections to the gravity sewer main shall be watertight and cannot protrude into the sewer. 10 CSR 20-8.120 (3) (C) 1.
- Location. Manholes shall be installed—10 CSR 20-8.120 (4) (A)
 - At the end of each line;
 - At all changes in grade, size, or alignment;
 - At all sewer pipe intersections; and
 - At distances appropriate to allow for sufficient cleaning and maintenance of sewer lines.
- Vacuum testing, if specified for concrete sewer manholes, shall conform to the test procedures in ASTM C1244 – 11(2017) *Standard Test Method for Concrete Sewer Manholes by the Negative Air Pressure (Vacuum) Test Prior to Backfill*, as approved and published April 1, 2017, or the manufacturer's recommendation. 10 CSR 20-8.120 (4) (F) 1.
- Exfiltration testing, if specified for concrete sewer manholes, shall conform to the test procedures in ASTM C969 – 17 *Standard Practice for Infiltration and Exfiltration Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines*, as approved and published April 1, 2017. 10 CSR 20-8.120 (4) (F) 2.
- There shall be no physical connections between a public or private potable water supply system and a sewer or appurtenance that would permit the passage of any wastewater or polluted water into the potable supply. 10 CSR 20-8.120 (5) (A)
- Sewers shall be laid at least fifty feet (50') in a horizontal direction from any existing or proposed public water supply well or other water supply sources or structures. Sewers must also comply with 10 CSR 23-3.010. 10 CSR 20-8.120 (5) (B)
- 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.
- 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)
- 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.

- 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)
- Subsurface systems shall—
 - Exclude unstabilized fill and soils that have been highly compacted and/or disturbed, such as old road beds, foundations, or similar things; 10 CSR 20-8.200 (7) (A) 1. A.
 - Provide adequate surface drainage where slopes are less than two percent (2%); 10 CSR 20-8.200 (7) (A) 1. B.
 - Provide surface and subsurface water diversion where necessary, such as a curtain or perimeter drain; 10 CSR 20-8.200 (7) (A) 1. C. and
 - Have a ten foot (10') buffer from the property line. 10 CSR 20-8.200 (7) (A) 1. D.
- The vertical separation between the bottom of the drip lines and/or the trench and a limiting layer, including but not limited to, bedrock; restrictive horizon; or seasonal high water table, shall be no less than:
 - Twenty-four inches (24"); 10 CSR 20-8.200 (7) (A) 2. A. or
 - Twelve inches (12") for systems dispersing secondary or higher quality effluent; 10 CSR 20-8.200 (7) (A) 2. B. or
 - Forty-eight inches (48") where karst features are present unless the site can be reclassified. 10 CSR 20-8.200 (7) (A) 2. C.
- Subsurface systems shall be, at a minimum, preceded by preliminary treatment. 10 CSR 20-8.200 (7) (B)
- Loading rates shall not exceed the values assigned by the site and soil evaluation. 10 CSR 20-8.200 (7) (C)
- All network piping and low pressure distribution piping and fittings with polyvinyl chloride (PVC) shall meet ASTM Standard D 1785 *Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, or 120* as approved and published August 1, 2015, or equivalent rated to meet or exceed ASTM D2466 *Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Drain, Waste, and Vent Pipe and Fittings* as approved and published August 1, 2017. These standards shall hereby be incorporated by reference into this rule, as published by ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959. This rule does not incorporate any subsequent amendments or additions. 10 CSR 20-8.200 (8) (A) 2.
- Manifold design for LPP systems shall address freeze protection while assuring uniform distribution and to minimize drain down of laterals into other laterals at a lower elevation between dosing events. 10 CSR 20-8.200 (8) (A) 3.
- The orifice number and spacing shall be designed to provide a distribution of no more than six square feet per orifice with an orifice size of not less than one-eighth inch. 10 CSR 20-8.200 (8) (C) 1.

11. Upon completion of construction:

- A. The Lake Life Family RV Resort LLC will become the continuing authority for operation and maintenance of these facilities;
- B. Submit an electronic copy of the as built's 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). Identify that the application is for a General permit for land application of domestic wastewater, MO-G823192. Form B - Application for an Operating Permit for Domestic or Municipal Wastewater ($\leq 100,000$ gallons per day) and fee of \$300 has already been submitted to the Department.

IV. REVIEW SUMMARY

1. CONSTRUCTION PURPOSE

The property owner intends to develop the property as an RV Park. Two LPP systems were selected as the most practical treatment system sized with a design flow of 9,180 gpd and 204 PE for both East 1 and East 2.

2. FACILITY DESCRIPTION

East 1

The new subsurface wastewater dispersal system will be constructed to treat 4,500 gpd of design flow for a population equivalent of 150 PE. Gravity sewers from 50 RV sites will convey untreated domestic wastewater to four septic tanks in series followed by a pump tank before dispersal through an LPP system.

East 2

The new subsurface wastewater dispersal system will be constructed to treat 4,680 gpd of design flow for a population equivalent of 54 PE. Gravity sewers from 18 RV sites and one shower house will convey untreated domestic wastewater to four septic tanks in series followed by a pump tank before dispersal through an LPP system.

East 1 and East 2

The Lake Life Family RV Resort WWTF is located at 7703 East Highway 7, Clinton, in Henry County, Missouri. The facility has a design average flow of 9,180 gpd and serves a hydraulic population equivalent of approximately 204 people.

3. COMPLIANCE PARAMETERS

The permitted project shall meet the requirements of MO-G823000, Land Application of Domestic Wastewater with an expiration date of August 24, 2022. The facility shall follow the Subsurface Dispersal Operational Requirements of MOG823000. Please reference the Department's website for itemized requirements.

MOG823000 Land Application of Domestic Wastewater:

<https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/wastewater/land-application-domestic-wastewater-mo-g823000>

4. REVIEW of MAJOR TREATMENT DESIGN CRITERIA

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

There are no wastewater components currently established for the East 1 and East 2 subsurface wastewater dispersal systems.

Construction of the East 1 LPP System will cover the following items:

- Components for East 1 are designed for a Population Equivalent of 150 based on organic loading to the system.
- East 1 Septic Tank 1 – A septic tank provides passive primary treatment as the settleable solids in raw wastewater settle onto the bottom of the tank. Raw wastewater from the collection system will flow by gravity to the 2,000 gallon single compartment East 1 Septic Tank 1. The septic tank is 12.5 ft x 7 ft x 5.42 ft with a water level depth of 3.67 ft. The septic tanks provide approximately 0.44 days of detention at design average flow. The effluent wastewater will flow by gravity to East 1 Septic Tank 2 through a tee drop pipe. Settled solids in the septic tank shall be removed by a contract hauler.
- East 1 Septic Tank 2 – Wastewater from East 1 Septic Tank 1 will flow by gravity to the 2,000 gallon single compartment septic tank. The septic tank is 12.5 ft x 7 ft x 5.42 ft with a water level depth of 3.67 ft. This septic tank provides approximately 0.44 days of detention at design average flow. The effluent wastewater will flow by gravity to East 1 Septic Tank 3 through a tee drop pipe. Settled solids in the septic tank shall be removed by a contract hauler.
- East 1 Septic Tank 3 – Wastewater from East 1 Septic Tank 2 will flow by gravity to the 2,000 gallon single compartment septic tank. The septic tank is 12.5 ft x 7 ft x 5.42 ft with a water level depth of 3.67 ft. This septic tank provides approximately 0.44 days of detention at design average flow. The effluent wastewater will flow by gravity to East 1 Septic Tank 4 through a tee drop pipe. Settled solids in the septic tank shall be removed by a contract hauler.

- East 1 Septic Tank 4 – Wastewater from East 1 Septic Tank 3 will flow by gravity to the 2,000 gallon single compartment septic tank. The septic tank is 12.5 ft x 7 ft x 5.42 ft with a water level depth of 3.67 ft. This septic tank provides approximately 0.44 days of detention at design average flow. The effluent wastewater will flow by gravity to East 1 Pump Tank through a septic tank effluent filter. Settled solids in the septic tank shall be removed by a contract hauler.
- East 1 Pump Tank – Preliminary treated wastewater will flow by gravity from the East 1 Septic Tank 4 to the 2,000 gallon single compartment East 1 Pump Tank. The East 1 Pump Tank compartment is 12.5 ft x 7 ft x 5.42 ft with a pump off float, pump on float, and high level alarm float. Two 2 HP pumps each capable of 59 gpm at 64 ft of TDH are located in the East 1 Pump Tank. Recommended Pumps are identified as either Liberty FL200 Series 2HP 230 volt or Franklin Electric / Little Giant 20 E Series 2 HP 230 volt. The pumped wastewater shall discharge to one of the six zones of the the East 1 Subsurface Dispersal System. Zones are cycled and partitioned by a 6 zone mechanical indexing valve, recommended make & model K-Rain 6606 RCW. Settled solids in the East 1 Pump Tank shall be removed by a contract hauler.
- East 1 Subsurface Dispersal System – The soils at this site are rated for 0.125 – 0.25 gpd/sf. The facility decided to use the design loading rate of 0.25 gpd/sf for the entire East 1 system. Soil morphology review was conducted during the facility plan review and on site soils were determined to be provisionally suitable for this system. The soil investigation was completed by Richard Henderson, Certified Soil Scientist with Soil Consulting on July 2, 2021.
 - Soils Report – In the soils investigation, there were 5 pits dug over the proposed site. Soil Pit 5 is characteristic of East 1.
 - Soil Test Pit #5 – located in the LPP area for East 1, had a surface soil that was described as silt loam with an application rating of 0.25 gallons per square foot per day. Specifications for placement of the fill prescribe a specific range of acceptable soil moisture content and the type of construction equipment (tracked) to be used to avoid over compaction.
 - Mound – The existing ground will be scarified and existing organic material removed prior to the placement of the fill. Fill material will be silty clay loam unless otherwise specified. The minimum fill depth shall be a minimum of 11 inches to maintain a vertical separation of 24 inches between the bottom of trench and/or drip lines and the limiting layer.
- East 1 Low-Pressure Piping (LPP) – The low-pressure piping is divided into six zones with twelve lines per zone and a total of 3,600 linear feet of distribution laterals for the East 1 system.
 - The end of each line contains a 1-inch clean out with threaded plug and PVC Cap.
 - The lateral spacing is 5-foot off center with the orifices spaced 5-feet apart, with 10 orifices per lateral line.
 - The longest manifold length is 195 feet and the orifice openings are 1/8 inch.

- The total area needed for loading is 18,000 square feet.

Construction of the East 2 LPP System will cover the following items:

- Components for East 2 are designed for a Population Equivalent of 54 based on organic loading to the system.
- East 2 Septic Tank 1 – A septic tank provides passive primary treatment as the settleable solids in raw wastewater settle onto the bottom of the tank. Raw wastewater from the collection system will flow by gravity to the 2,000 gallon single compartment East 2 Septic Tank 1. The septic tank is 12.5 ft x 7 ft x 5.42 ft with a water level depth of 3.67 ft. The septic tanks provide approximately 0.42 days of detention at design average flow. The effluent wastewater will flow by gravity to East 2 Septic Tank 2 through a tee drop pipe. Settled solids in the septic tank shall be removed by a contract hauler.
- East 2 Septic Tank 2 – Wastewater from East 2 Septic Tank 1 will flow by gravity to the 2,000 gallon single compartment septic tank. The septic tank is 12.5 ft x 7 ft x 5.42 ft with a water level depth of 3.67 ft. This septic tank provides approximately 0.42 days of detention at design average flow. The effluent wastewater will flow by gravity to East 2 Septic Tank 3 through a tee drop pipe. Settled solids in the septic tank shall be removed by a contract hauler.
- East 2 Septic Tank 3 – Wastewater from East 2 Septic Tank 2 will flow by gravity to the 2,000 gallon single compartment septic tank. The septic tank is 12.5 ft x 7 ft x 5.42 ft with a water level depth of 3.67 ft. This septic tank provides approximately 0.42 days of detention at design average flow. The effluent wastewater will flow by gravity to East 2 Septic Tank 4 through a tee drop pipe. Settled solids in the septic tank shall be removed by a contract hauler.
- East 2 Septic Tank 4 – Wastewater from East 2 Septic Tank 3 will flow by gravity to the 2,000 gallon single compartment septic tank. The septic tank is 12.5 ft x 7 ft x 5.42 ft with a water level depth of 3.67 ft. This septic tank provides approximately 0.42 days of detention at design average flow. The effluent wastewater will flow by gravity to East 2 Pump Tank through a septic tank effluent filter. Settled solids in the septic tank shall be removed by a contract hauler.
- East 2 Pump Tank – Preliminary treated wastewater will flow by gravity from the East 2 Septic Tank 4 to the 2,000 gallon single compartment East 2 Pump Tank. The East 2 Pump Tank compartment is 12.5 ft x 7 ft x 5.42 ft with a pump off float, pump on float, and high level alarm float. Two 2 HP pumps each capable of 59 gpm at 74 ft of TDH are located in the East 2 Pump Tank. Recommended pumps are identified as Liberty FL200 Series 2HP 230 volt or Franklin Electric / Little Giant 20 E Series 2 HP 230 volt. The pumped wastewater shall discharge to one of the six zones of the the East 2 LPP system. Zones are cycled by a 6 zone mechanical indexing valve, recommended make & model K-Rain 6606 RCW. Settled solids in the East 2 Pump Tank shall be removed by a contract hauler.

- East 2 Subsurface Soil Dispersal System – The soils at this site are rated for 0.125 – 0.25 gpd/sf. The facility decided to use the design loading rate of 0.25 gpd/sf for the entire East 2 system. Soil morphology review was conducted during the facility plan review and on site soils were determined to be provisionally suitable for this system. The soil investigation was completed by Richard Henderson, Certified Soil Scientist with Soil Consulting on July 2, 2021.
 - Soils Report – In the soils investigation, there were 5 pits dug over the proposed site. Soil Test Pit 4 is characteristic of East 2.
 - Soil Test Pit #4 – located in the LPP area for East 1, had a surface soil that was described as silt loam with an application rating of 0.25 gallons per square foot per day. Specifications for placement of the fill prescribe a specific range of acceptable soil moisture content and the type of construction equipment (tracked) to be used to avoid over compaction.
 - Mound – The existing ground will be scarified and existing organic material removed prior to the placement of the fill. Fill material will be silty clay loam unless otherwise specified. The minimum fill depth shall be a minimum of 11 inches to maintain a vertical separation of 24 inches between the bottom of trench and/or drip lines and the limiting layer.
- East 2 Low-Pressure Piping (LPP) – The low-pressure piping is divided into six zones with twelve lines per zone and a total of 3,744 linear feet of distribution laterals for the East 2 system.
 - The end of each line contains a 1-inch clean out with threaded plug and PVC Cap.
 - The lateral spacing is 5-foot off center with the orifices spaced 5-feet apart, for 10 orifices per lateral line.
 - The longest manifold length is 440 feet and the orifice openings are 1/8 inch.
 - The total area needed for loading is 18,720 square feet.

5. OPERATING PERMIT

After completion of the construction project, please submit:

- Wastewater Construction Statement of Work Completed, Form MO 780-2155, <https://dnr.mo.gov/document-search/wastewater-construction-statement-work-completed-mo-780-2155>, and
- As-builts if the project was not constructed in accordance with previously submitted plans and specifications.

Missouri State Operating Permit, General Permit MO-G823192, will be issued after receipt of the above documents. Operating Permit application Form B and Form I have already been submitted to the Department along with the application fee of \$300.

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:

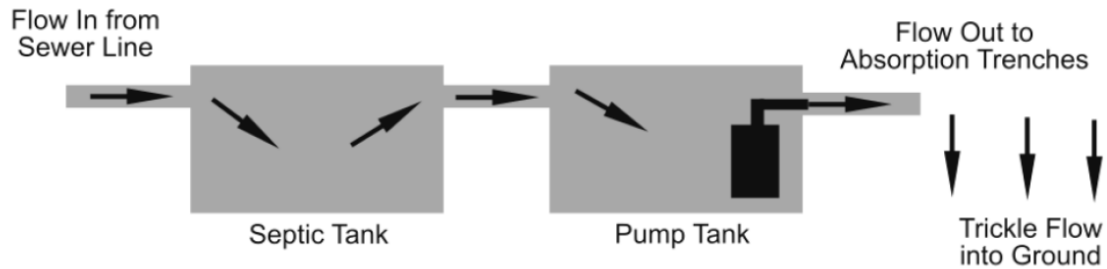
Administrative Hearing Commission
U.S. Post Office Building, Third Floor
131 West High Street, P.O. Box 1557
Jefferson City, MO 65102-1557
Phone: 573-751-2422
Fax: 573-751-5018
Website: <https://ahc.mo.gov>

Steve Hamm, P.E.
Engineering Section
Steven.hamm@dnr.mo.gov

APPENDIX: Process Flow Diagram

Lake Life Family RV Resort, LLC

Flow Diagram of Low Pressure Pipe (LPP) septic systems East 1 and East 2



Flow Diagram - Low Pressure Pipe System



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: _____ ☒ N/A
- 1.3 Has the department approved the proposed project's facility plan*?
☒ YES Date of Approval: 102721 ☐ 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 Lake Life Family RV Resort, LLC	2.2 ESTIMATED PROJECT CONSTRUCTION COST \$
2.3 PROJECT DESCRIPTION Two Low Pressure Pipe (LPP) on-site subsurface wastewater treatment systems serving 68 Camper Trailer spots with full utility hookups and a Shower House serving 68 RV spots. An existing gravity flow septic system serving a residence to remain in place.	
2.4 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION Septic tanks to be pumped on regular intervals as required for proper system maintenance (3 year frequency anticipated). Sludge to be pumped and disposed by licensed pumping contractor and disposed of in compliance with applicable MoDNR regulations.	
2.5 DESIGN INFORMATION A. Current population: <u>3</u> ; Design population: <u>207</u> B. Actual Flow: _____ gpd; Design Average Flow: <u>9550</u> gpd; Actual Peak Daily Flow: _____ gpd; Design Maximum Daily Flow: <u>9550</u> gpd; Design Wet Weather Event: <u>N.A.</u>	
2.6 ADDITIONAL INFORMATION A. Is a topographic map attached? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO B. Is a process flow diagram attached? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

3.0 WASTEWATER TREATMENT FACILITY				
NAME Lake Life Family RV Resort - "East Half"		TELEPHONE NUMBER WITH AREA CODE 816-419-7594		E-MAIL ADDRESS andikelliott@gmail.com
ADDRESS (PHYSICAL) 7703 E. Highway 7	CITY Clinton	STATE MO	ZIP CODE 64735	COUNTY Henry
Wastewater Treatment Facility: Mo- (Outfall Of)				
3.1 Legal Description: <u>NE 1/4, NE 1/4, 1/4, Sec. 19, T 41, R 24</u> (Use additional pages if construction of more than one outfall is proposed.)				
3.2 UTM Coordinates Easting (X): <u>93.6144</u> Northing (Y): <u>38.3325</u> <i>For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)</i>				
3.3 Name of receiving streams: <u>N.A.</u>				
4.0 PROJECT OWNER				
NAME Lake Life Family RV Resort, LLC		TELEPHONE NUMBER WITH AREA CODE 816-419-7594		E-MAIL ADDRESS andikelliott@gmail.com
ADDRESS 7703 E. Highway 7	CITY Clinton	STATE MO	ZIP CODE 64735	
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 Lake Life Family RV Resort, LLC		TELEPHONE NUMBER WITH AREA CODE 816-419-7594		E-MAIL ADDRESS andikelliott@gmail.com
ADDRESS 7703 E. Highway 7	CITY Clinton	STATE MO	ZIP CODE 64735	
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 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 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 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 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 type="checkbox"/> NO				
6.0 ENGINEER				
ENGINEER NAME / COMPANY NAME Martin Heins / OCD Services, LLC		TELEPHONE NUMBER WITH AREA CODE 913-202-3813		E-MAIL ADDRESS mheins1313@gmail.com
ADDRESS 32583 Hanna Avenue	CITY Warsaw	STATE MO	ZIP CODE 65355	
7.0 APPLICATION FEE				
<input checked="" type="checkbox"/> CHECK NUMBER <u>#201</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 				
PRINTED NAME Andi Elliott			DATE 10/28/2021	
TITLE OR CORPORATE POSITION Owner		TELEPHONE NUMBER WITH AREA CODE 816-419-7594		E-MAIL ADDRESS andikelliott@gmail.com
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.				