

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

Ruth Graber
Silver Springs RV Park
4598 CO RD 4620
West Plains, MO 65775

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 6, 2024

Effective Date

June 5, 2026

Expiration Date

John Hoke, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

Construction includes adding a level marker, an automatic alarm system, and an emergency overflow structure for Silver Springs RV Park Wastewater Treatment Facility's storage basin. The design flow for the storage basin stays the same at 7,584 gallons per day (gpd) including 1-in-10 year rainfall minus evaporation. Wastewater collected at the storage basin is pumped and hauled to another permitted wastewater treatment facility.

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 Joseph G. Heberlie, P.E., with Missouri Engineering Company 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 Southeast Regional Office per 10 CSR 20-7.015(9)(G).
5. In addition to the requirements for a construction permit, 10 CSR 20-6.200 requires land disturbance activities of one acre or more to obtain a Missouri state operating permit to discharge stormwater. The permit requires best management practices sufficient to control runoff and sedimentation to protect waters of the state. Land disturbance permits will only be obtained by means of the department's ePermitting system available online at <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.
6. 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.
7. All construction must adhere to applicable 10 CSR 20-8 (Chapter 8) requirements listed below.
 - The alarm for pump and haul systems 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)
 - 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)
 - Minimum freeboard shall be two feet. 10 CSR 20-8.200(4)(A)3.
 - An emergency spillway shall be provided that—
 - Prevents the overtopping and cutting of berms; 10 CSR 20-8.200(4)(A)4.A.

- Is compacted and vegetated or otherwise constructed to prevent erosion; 10 CSR 20-8.200(4)(A)4.B. and
 - Has the ability for a representative sample to be collected, if discharging. 10 CSR 20-8.200(4)(A)4.C.
8. Upon completion of construction:
- A. Ruth Graber will become the continuing authority for operation and maintenance of these facilities;
 - B. Submit an electronic copy of the as built if the project was not constructed in accordance with previously submitted plans and specifications; and
 - C. Submit the Statement of Work Completed form to the department in accordance with 10 CSR 20-6.010(5)(N) (<https://dnr.mo.gov/document-search/wastewater-construction-statement-work-completed-mo-780-2155>).

IV. REVIEW SUMMARY

1. CONSTRUCTION PURPOSE

Construction is to resolve violations of the Missouri Clean Water Law for unauthorized discharges of wastewater from the Silver Springs RV Park Wastewater Treatment Facility's (WWTF) storage basin. The Missouri State Operating Permit (MSOP), MO-0132578, for this facility authorizes the storage basin to operate as a no-discharge basin only. Collected wastewater at the basin is pumped and hauled to another permitted facility. In 2022, staff observed the unauthorized discharges at the basin which caused pollution to waters of the State. Consequently, the Abatement Order of Consent (AOC) No. 2023-WPCB-1800 was issued on November 3, 2023. The AOC includes steps that the owner has to take to resolve the violations. The proposed construction is one of the agreements listed in the AOC and it ensures proper notification and corrective actions will be taken to prevent discharging wastewater from the basin.

2. FACILITY DESCRIPTION

The Silver Springs RV Park WWTF is located near 4598 County Road 4620, West Plains, in Howell County, Missouri. The MSOP, MO-0132578, for this WWTF includes two permitted features, Outfall #001 and Outfall #002. Outfall #001 is for the storage basin which operates as a no-discharge system. The storage basin has a design average flow of 7,584 gpd including 1-in-10-year rainfall minus evaporation and serves a hydraulic population equivalent of approximately 84 people. Wastewater collected at the storage basin is pumped and hauled to another permitted facility. Outfall #002 is for discharges associated with the end-of-season drainage of swimming pool.

3. COMPLIANCE PARAMETERS

The proposed construction is associated with Outfall #001 only and it is for a pumped and hauled system. Therefore, effluent limits are not applicable. The facility will be required to monitor storage basin freeboard, daily precipitation, daily volume hauled, and other conditions and requirements as listed in the MSOP, MO-0132578.

4. REVIEW of MAJOR TREATMENT DESIGN CRITERIA

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

- Single-Cell Lagoon – Wastewater from the RV park flows through the influent manhole and into the lagoon. The lagoon surface is irregular shape having a surface area at the 8-foot level of 27,953 square feet. The lagoon's total depth is 9 feet. The records for the inner-berm side slope and existing lagoon seal are not available.

Construction will cover the following items:

- Components are designed for a Population Equivalent of 84 based on hydraulic loading to the system.
- Level Marker – Installation of a fiberglass stream gauge graduated in feet and tenths to measure the level in the lagoon. The gauge will be installed inside the influent manhole.
- Alarm System – Installation of a smart-cover level system including sensor, battery, e-box, cable, antenna, and web-site access. The smart-cover level system will provide an indication of the distance between the current level of the basin surface and the flowline of the emergency overflow along with an alarm condition at the basin maximum operating water level of 1173.60 feet elevation.
- Emergency Spillway – Construction of a rip rap emergency spillway structure. The structure will have 3 feet opening and 6 inches high to top of berm. The flowline of the emergency spillway will be at 1175.60 feet elevation. This provides 2 feet of freeboard from the maximum operating level to the emergency spillway. The structure is for protection of the berm in case of emergency discharges. Discharges other than emergency as defined in the MSOP, MO-0132578, are unauthorized discharges and shall constitute a permit violation and shall be reported in accordance with Standard Conditions Part I Section B.2. of the MSOP.

5. OPERATING PERMIT

Operating permit MO-0132578 will be expiring on December 31, 2024. A renewal application must be filed before July 4, 2024 regardless of the status of these construction activities. If you have questions on completing the renewal application, please contact the NPDES permitting section at 573-522-4502.

These construction activities do not change the effluent limits. However, a minimum freeboard of two feet is required per 10 CSR 20-8.200(4)(A)3. and this construction permit. The current operating permit requires 0.5 feet of freeboard. The department will modify the operating permit maximum operating level to reflect this change at renewal.

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>

Sieu T. Dang, P.E.
Engineering Section
sieu.dang@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: _____ N/A
- 1.3 Has the department approved the proposed project's facility plan*?
 YES Date of Approval: 11-2-22 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 Silver Springs Sewer Modifications	2.2 ESTIMATED PROJECT CONSTRUCTION COST \$ 19,000.00
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2.3 PROJECT DESCRIPTION
Add a level marker, an automatic alarm system, and an emergency overflow pipe for sewer storage lagoon.

2.4 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION
Pumped and hauled with sewage.

2.5 DESIGN INFORMATION
 A. Current population: _____; Design population: 84 P
 B. Actual Flow: _____ gpd; Design Average Flow: 7,854 gpd;
 Actual Peak Daily Flow: _____ gpd; Design Maximum Daily Flow: _____ gpd; Design Wet Weather Event: 7,584

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 Silver Springs RV Park		TELEPHONE NUMBER WITH AREA CODE 417-257-5658		E-MAIL ADDRESS silverspringsrvparkwp@gmail.com
ADDRESS (PHYSICAL) 4598 CO RD 4620	CITY West Plains	STATE MO	ZIP CODE 65775	COUNTY Howell
Wastewater Treatment Facility: Mo- 0132578 (Outfall N/A Of)				
3.1 Legal Description: <u>SE ¼, NW ¼, SE ¼, Sec. 26, T 25N, R 09W</u> (Use additional pages if construction of more than one outfall is proposed.)				
3.2 UTM Coordinates Easting (X): <u>597976</u> Northing (Y): <u>4074261</u> For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)				
3.3 Name of receiving streams: <u>N/A</u>				
4.0 PROJECT OWNER				
NAME Ruth Graber		TELEPHONE NUMBER WITH AREA CODE 417-257-5658		E-MAIL ADDRESS silverspringsrvparkwp@gmail.com
ADDRESS 4598 CO RD 4620	CITY West Plains	STATE MO	ZIP CODE 65775	
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 Ruth Graber		TELEPHONE NUMBER WITH AREA CODE 417-257-5658		E-MAIL ADDRESS silverspringsrvparkwp@gmail.com
ADDRESS 4598 CO RD 4620	CITY West Plains	STATE MO	ZIP CODE 65775	
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 Joseph G Heberlie, Missouri Engineering Company		TELEPHONE NUMBER WITH AREA CODE 573-364-4003		E-MAIL ADDRESS jheberlie@moengco.com
ADDRESS P.O. Box 13	CITY Rolla	STATE MO	ZIP CODE 65402	
7.0 APPLICATION FEE				
<input checked="" type="checkbox"/> CHECK NUMBER <u>3353</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 <u>Ruth A Graber</u>			DATE <u>1/5/2024</u>	
TITLE OR CORPORATE POSITION <u>Trustee</u>		TELEPHONE NUMBER WITH AREA CODE <u>417-257-5658</u>		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.				