

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

Matt Aulgur
Aulgur Enterprises, Inc.
Windsor Woods Campground
575 SE Highway PP
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.

August 21, 2023

Effective Date

August 20, 2025

Expiration Date


John Hoke, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

This project includes installation of a total of 302 lf of 4 inch SDR-35 PVC gravity sewer main with 3 manholes, which connects to three new conventional subsurface land application systems, to serve fifteen new RV sites, with design flows of 450 gallons per day each. Each system will have one 1,500-gallon septic tank ahead of the subsurface dispersal field. Wastewater will flow by gravity to the application sites. The expansion will increase the design average flow to 4,740 gpd and the population equivalent to 47.4 to serve 78 RV spots and 13 primitive camping spots.

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, P.E., 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 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. 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 <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.
8. All construction must adhere to applicable 10 CSR 20-8 (Chapter 8) requirements listed below.
 - Facilities shall be readily accessible by authorized personnel from a public right-of-way at all times. 10 CSR 20-8.140 (2) (D). 10 CSR 20-8.130 (2) (B)
 - 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 means of flow measurement shall be provided at all wastewater treatment facilities. 10 CSR 20-8.140 (7) (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)
 - 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; 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 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; 10 CSR 20-8.200 (7) (A) 2. A.
- 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)

9. Upon completion of construction:

- A. Aulgur Enterprises, Inc. 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 a Statement of Work Completed form to the Department in accordance with 10 CSR 20-6.010(5)(N) and request the modified operating permit be issued. The modification fee has been paid.

IV. REVIEW SUMMARY

1. CONSTRUCTION PURPOSE

The existing campground facility is expanding to add fifteen new RV spots with sewer hookups. A new subsurface land application system is necessary to treat the wastewater from the expansion.

2. FACILITY DESCRIPTION

The existing facility serves a campground sitting on a fraction of a 25-acre tract of land. The campground includes 63 RV sites, a shower house, and 13 primitive campsites. The existing facility is served by eight decentralized septic systems.

The facility is proposing an expansion of fifteen additional RV sites. The RV sites will be divided into sets of five, each set served by a separate 450 gallon per day conventional subsurface system. Thus adding 3 more decentralized systems for a total of 11 decentralized systems and 78 RV spots.

The Windsor Woods Campground WWTF is located at 575 Southeast Highway PP, Clinton, in Henry County, Missouri. The facility has a design average flow of 3,390 gpd and serves a population equivalent of approximately 33.9 people. The expansion will increase the design average flow to 4,740 gpd and the population equivalent to 47.4.

3. COMPLIANCE PARAMETERS

The existing facility can meet the requirements in their existing operating permit, MO-G823155, issued January 1, 2023. There are no permitted effluent limitations for subsurface dispersal systems.

4. REVIEW of MAJOR TREATMENT DESIGN CRITERIA

- Sewer – Approximately 302 lf of 4-inch SDR 35 PVC gravity sewer main with 3 manholes to convey wastewater from 15 RV sites to the subsurface dispersal sites.
- 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 three 1,500 gallon septic tanks; each serving five of the new RV sites. Each septic tank is 5 ft. 4 in. x 12 ft. 2 in. x 5 ft. with a water level depth of 44 in. The septic tanks provide approximately 3.3 days of detention at design average flow. The wastewater will discharge by gravity through filtered outlets in each septic tank to the respective subsurface land application field. Settled solids in the septic tank shall be removed by a contract hauler.
- Subsurface Soil Dispersal System – A soils evaluation was completed for the site on September 23, 2022 by Timothy O. Knoernschild and the soils in each of the 2 pits dug were rated for 0.4 gpd/sf. A soil morphology review was conducted during the construction permit application review and the on-site soils were determined to be acceptable for this system.
 - Conventional – Three pipe-in-gravel application sites, each with a design flow of 450 gpd, will be installed on land owned by the facility owner. Flow will be divided among laterals through one distribution box for each field.
 - Trench are to be three feet wide and 18 inches deep, with 12 inches of gravel topped with 6 inches of soil backfill.
 - Laterals are to be 4-inch perforated SDR 35 PVC pipe. Laterals will have ten foot on-center spacing and two rows of holes sized ½ inch to ¾ inch spaced 4 inches apart on-center.
 - Systems East 1 and East 2 will have five distribution laterals each 80 feet long, while System West will have eight distribution laterals each 50 feet long.
- Interceptor Drain – An interceptor drain diverts surface and subsurface runoff around the treatment field. The soils report indicates perched water tables at a depth of 16 inches in the vicinity of system West and at a depth of 11 inches in the vicinity of systems East 1 and East 2. Each absorption field will have an interceptor drain installed to a depth of 42 inches around its perimeter.

5. OPERATING PERMIT

After completion of construction project submit: statement of work completed, as-builts if the project was not constructed in accordance with previously submitted plans and specifications. Operating permit MO-G823155 will require a modification to reflect the construction activities. Payment for the modification of operating permit MO-G823155 has been received by the Department.

The modified Windsor Woods Campground WWTF, MO-G823155 will not require a public notice as the only modification was the addition of the three new permitted features for the new land application sites. No new conditions or requirements were added. The Department will conduct an internal modification to reflect the current facility description upon receipt of the Statement of Work Completed form.

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>

Katrice Williams
Engineering Section
katrice.williams@dnr.mo.gov

Chia-Wei Young, P.E.
Engineering Section
chia-wei.young@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: 102122 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
 Windor Woods Campground - Northeast Expansion

2.2 ESTIMATED PROJECT CONSTRUCTION COST
 \$ 30,000

2.3 PROJECT DESCRIPTION
 Recreational Vehicle Park Northeast Expansion. 79 Existing RV Spots + 15 New. Split into three systems of 5 RV spots each. Each of the three systems served by a gravity flow septic system. (Three gravity flow systems total in the Northeast Expansion.)

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: 237; Design population: 282
 B. Actual Flow: _____ gpd; Design Average Flow: 8460 gpd;
 Actual Peak Daily Flow: _____ gpd; Design Maximum Daily Flow: 8460 gpd; Design Wet Weather Event: N.A.

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 Windsor Woods Campground - NE Expansion		TELEPHONE NUMBER WITH AREA CODE 816-694-9824		E-MAIL ADDRESS camp.windsorwoods@gmail.com
ADDRESS (PHYSICAL) 575 SE Highway PP	CITY Clinton	STATE MO	ZIP CODE 64735	COUNTY Henry
Wastewater Treatment Facility: Mo- (Outfall Of)				
3.1 Legal Description: _____ ¼, _____ ¼, NE ¼, Sec. 11, T 41N, R 24W (Use additional pages if construction of more than one outfall is proposed.)				
3.2 UTM Coordinates Easting (X): -93.6091 Northing (Y): 38.2858 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> No outfall.				
4.0 PROJECT OWNER				
NAME Aulgur Enterprises, Inc.		TELEPHONE NUMBER WITH AREA CODE 816-694-9824		E-MAIL ADDRESS camp.windsorwoods@gmail.com
ADDRESS 575 SE Highway PP	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 Aulgur Enterprises, Inc.		TELEPHONE NUMBER WITH AREA CODE 816-694-9824		E-MAIL ADDRESS camp.windsorwoods@gmail.com
ADDRESS PO Box 235	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 Ave	CITY Warsaw	STATE MO	ZIP CODE 65355	
7.0 APPLICATION FEE				
<input checked="" type="checkbox"/> CHECK NUMBER <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 Matt Aulgur			DATE 2-10-23	
TITLE OR CORPORATE POSITION Owner		TELEPHONE NUMBER WITH AREA CODE 816-694-9824		E-MAIL ADDRESS camp.windsorwoods@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.				