

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

High Hill Circle MHP
5360 Old Miller's Rd
Columbia, MO 65201

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 3, 2021
Effective Date

November 2, 2023
Expiration Date


Chris Wieberg, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

High Hill Circle MHP is constructing a storage basin and wastewater irrigation system for approximately 20 acres. Construction will include a new earthen basin to provide approximately 166 days of storage, plus traveling guns to irrigate an adjacent field. The facility will continue to utilize the existing two cell lagoon system and pump station. Approximately 1,610 lf of 2 inch PVC Schedule 40 forcemain, 63 lf of 8 inch PVC SDR-35, and all the necessary appurtenances to make a complete and usable wastewater treatment facility. The facility is not planning to remove sludge from the existing lagoons at this time. The expected application rate is 21 inches per year. The design flow, including the 1-in-10 year rain event is 30,000 gallons per day.

This is a reissue of CP0001868. 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 J. Daniel Brush, P.E. with Brush & Associates 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 Northeast Regional Office per 10 CSR 20-7.015(9)(G).
5. The wastewater treatment facility shall be located at least two hundred feet (200') to residence and fifty feet (50') to property line, per 10 CSR 20-8.140(C)(2)
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-e-permitting> 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.
 - 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 distance between wastewater pumping stations and all potable water sources shall be at least fifty feet (50') in accordance with 10 CSR 23-3.010(1)(B). 10 CSR 20-8.130 (2) (D)
- 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. 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)
- Service connections to the sewer main shall be watertight and cannot protrude into the sewer. 10 CSR 20-8.120 (3) (C) 1.
- Locator wire must be utilized when sewer lines are installed within the public right-of-way in accordance with 319.033, RSMo. 10 CSR 20-8.125 (5) (A) 5.
- Appurtenances shall be compatible with the piping system and full bore with smooth interior surfaces to eliminate obstruction and keep friction loss to a minimum. 10 CSR 20-8.125 (5) (B)
 - Isolation valves shall be—
 - Comprised of resilient seated gate valve or ball valve with a position indicator;
 - Constructed from corrosion resistant materials; and
 - Enclosed in a watertight and lockable valve box.
 - Isolation valves shall be installed on—
 - The upstream side of major pipe intersections;
 - Both sides of stream, bridge, and railroad crossings, and unstable soil; and
 - The terminal end of the system to facilitate future extensions.
 - Proper support (e.g., crushed stone, concrete pads, or a well compacted trench bottom) shall be provided for valves so the weight of the valve not carried by the pipe.
- The minimum diameter service line pipe shall be one and one quarter inches (1.25"). 10 CSR 20-8.125 (5) (C)
- Provisions must be made for periods of mechanical or power failure. 10 CSR 20-8.125 (6) (F) 6.
- Alarm systems with an uninterrupted power source shall be provided for pumping stations. 10 CSR 20-8.130 (6)
- Where independent substations are used for emergency power, each separate substation and its associated distribution lines shall be capable of starting and operating the pump station at its rated capacity. 10 CSR 20-8.130 (7) (B)
- Force main system shall be designed to withstand all pressures (including water hammer and associated cyclic reversal of stresses), and maintain a velocity of at least two feet (2') per second. 10 CSR 20-8.130 (8) (A)
- 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 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)
- 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)
- A means of flow measurement shall be provided at all wastewater treatment facilities. 10 CSR 20-8.140 (7) (E)
- 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)
 - 10 CSR 20-8.140 (8) (G) Portable lighting equipment complying with NEC requirements. See subsection (7)(B) of this rule;
 - 10 CSR 20-8.140 (8) (H) Gas detectors listed and labeled for use in NEC Class I, Division 1, Group D locations. See subsection (7)(B) of this rule;
 - Appropriately-placed warning signs for slippery areas, non-potable water fixtures (see subparagraph (7)(D)3.B. of this rule), low head clearance areas, open service manholes, hazardous chemical storage areas, flammable fuel storage areas, high noise areas, etc.; 10 CSR 20-8.140 (8) (I)
 - Provisions for local lockout/tagout on stop motor controls and other devices; 10 CSR 20-8.140 (8) (L)
 - Provisions for an arc flash hazard analysis and determination of the flash protection boundary distance and type of PPE to reduce exposure to major electrical hazards shall be in accordance with NFPA 70E *Standard for Electrical Safety in the Workplace* (2018 Edition), as approved and published August 21, 2017. 10 CSR 20-8.140 (8) (M)
- 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)
- Lagoon berms shall be constructed of relatively impervious material and compacted to at least ninety-five percent (95%) maximum dry density test method to form a stable structure. 10 CSR 20-8.200(4)(A)1.

- The minimum berm width shall be eight feet (8') to permit access of maintenance vehicles. 10 CSR 20-8.200(4)(A)2.
- Minimum freeboard shall be two feet (2'). 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.
- The soil of the lagoon bottom shall be compacted with the moisture content between two percent (2%) below and four percent (4%) above the optimum water content and compacted to at least ninety-five percent (95%) maximum dry density test method. 10 CSR 20-8.200(4)(B)
- The lagoon shall be sealed to ensure that seepage loss is as low as possible and has a design permeability not exceeding 1.0×10^{-7} cm/sec. 10 CSR 20-8.200(4)(C)1.
- The minimum thickness of the compacted clay liner must be twelve inches (12"). For permeability coefficients greater than 1.0×10^{-7} cm/sec or for heads over five feet (5') such as an aerated lagoon system, the following formula shall be used to determine minimum seal thickness, Equation 200-1 per 10 CSR 20-8.200(4)(C)2.:
Equation 200-1

$$t = \frac{H \times K}{5.4 \times 10^{-7} \text{ cm/sec}}$$

where:

K = the permeability coefficient of the soil in question;

H = the head of water in the lagoon; and

t = the thickness of the soil seal.

- Synthetic seals thickness may vary due to liner material but the liner thickness shall be no less than two-hundredths inch (.02") or twenty (20) mil and be the appropriate material to perform under existing conditions. 10 CSR 20-8.200(4)(C)3.
- Seep collars shall be provided on drainpipes where they pass through the lagoon seal. 10 CSR 20-8.200(4)(C)4.
- Unlined corrugated metal pipe shall not be used for influent lines due to corrosion problems. 10 CSR 20-8.200 (4) (D) 1.
- The influent line(s) shall be located along the bottom of the lagoon so that the top of the pipe is just below the average elevation of the lagoon seal; however, there shall be an adequate seal below the pipe. 10 CSR 20-8.200 (4) (D) 3.
- The wetted application area of a surface irrigation system must be located
 - Outside of flood-prone areas having a flood frequency greater than once every ten (10) years; 10 CSR 20-8.200 (6) (B) 1.
 - At least one hundred fifty feet (150') from existing dwellings or public use areas, excluding roads or highways; 10 CSR 20-8.200 (6) (B) 2. A.
 - At least fifty feet (50') inside the property line; 10 CSR 20-8.200 (6) (B) 2. B.
 - At least three hundred feet (300') from any sinkhole, losing stream, or other structure or physiographic feature that may provide direct

- connection between the ground water table and the surface; 10 CSR 20-8.200 (6) (B) 2. C.
- At least three hundred feet (300') from any existing potable water supply well not located on the property. Adequate protection shall be provided for wells located on the application site; 10 CSR 20-8.200 (6) (B) 2. D.
- One hundred feet (100') to wetlands, ponds, gaining streams (classified or unclassified; perennial or intermittent); 10 CSR 20-8.200 (6) (B) 2. E. and
- If an established vegetated buffer or the wastewater is disinfected, the setbacks established in subsections (A)–(E) above may be decreased if the applicant demonstrates the risk is mitigated. 10 CSR 20-8.200 (6) (B) 2. F.
- The wetted application area of a surface irrigation system must be Fenced, or if not fenced, provide in the construction permit application or the facility plan, the—
 - Method of disinfection being utilized; 10 CSR 20-8.200 (6) (B) 3. A.
 - Suitable barriers in place, 10 CSR 20-8.200 (6) (B) 3. B. or
 - Details on how public access is limited and not expected to be present. 10 CSR 20-8.200 (6) (B) 3. C.
- At a minimum, treatment prior to irrigation shall provide performance equivalent to that obtained from a primary wastewater lagoon cell and include 105 days wastewater storage in addition to the primary volume. 10 CSR 20-8.200 (6) (C)
- The public shall not be allowed into an area when irrigation is being conducted; 10 CSR 20-8.200 (6) (F) 2.

11. Upon completion of construction:

- A. Doris Overton will become the continuing authority for operation and maintenance of these facilities;
- B. Submit an electronic copy of the as builts if the project was not constructed in accordance with previously submitted plans and specifications; and
- C. Submit the enclosed form Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(N) with a request to issue the general permit for the land application of domestic wastewater.

IV. REVIEW SUMMARY

1. CONSTRUCTION PURPOSE

The facility is currently under enforcement for failure to meet schedule of compliance and failure to meet effluent limits. The upgrade and conversion to a no discharge land application system is to meet compliance with ammonia effluent limits which became effective February 2015 and *E. coli* effluent limits.

2. FACILITY DESCRIPTION

The High Hill Circle MHP is located at 5360 Old Millers Road, Columbia, in Boone County, Missouri. The existing two cell lagoon are discharging currently, but will be

converted to no-discharge with this upgrade and the construction of the 3rd cell. The facility had a permitted design flow of 28,000 gpd (0.028 MGD); however with the upgrade to no-discharge, the facility requested an expansion to 30,000 gpd (0.03 MGD).

3. COMPLIANCE PARAMETERS

The proposed project is required to meet the requirements of MOG823 with an expiration date of August 24, 2022. Construction is of a no-discharge wastewater irrigation system with traveling guns, the facility is required to track irrigation, volume irrigated, and application rate. If there is an emergency discharge of wastewater, the facility will have to sample for wastewater parameters of BOD, TSS, Ammonia as N, pH, *E. coli* and Oil and Grease.

4. REVIEW of MAJOR TREATMENT DESIGN CRITERIA

This is a reissue of CP0001868.

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

- The existing two cell discharging lagoon will be converted into a no-discharge system.
 - Cell #1 of the existing lagoon is approximately 130 ft by 130 ft by 8 feet deep with 3:1 slopes.
 - Approximate capacity of Cell #1 is 563,259 gallons.
 - Cell #2 of the existing lagoon is approximately 100 ft by 100 ft by 5 feet deep with 3:1 slopes.
 - Approximate capacity of Cell #2 is 170,716 gallons.
- The existing lagoons have sludge that reduces the storage volume of the lagoons.
 - If sludge was removed, Cell #1 would provide about 19 days of storage and Cell #2 would provide about 5 days of storage.
- The dimensions of Cells #1 and #2 are based on interpolation with ArcGIS and the sludge depth determinations completed by a previous engineering firm.
- The existing two cell lagoons are fenced.

Construction will cover the following items:

- From Cell #2, flows go to the existing pump station. The pump station will operate at 62 gpm with a TDH of 142 ft.
 - From the pump station, 911 lf of 2 inch Schedule 40 forcemain will be installed to pump the water to the manhole.
 - From the manhole, approximately 64 lf of 8 inch PVC SDR-35 will be installed to the concrete splash pad in the new storage basin, Cell #3.
- The storage basin, Cell #3, will have a capacity of 665,394 ft³ (4,977,492 gallons) of storage with 2.5 ft of freeboard.
 - Cell #3 would provide about 166 days of storage, which exceeds the 105 day minimum requirement.

- Operating depth between maximum operating level and base is 16 ft, including a 3 foot minimum operating level.
- The new basin will be constructed with a 36 inch clay liner with 2.5:1 slopes.
 - The approximate dimensions of Cell #3 would be 245 ft by 405 ft by 18.5 feet deep.
 - The berm slopes will be 3:1.
 - Fencing will be installed around the storage basin.
- Between the three cells, there is a total capacity of 777,186 ft³ of storage or volume of 5,813,755 gallons.
 - The minimum gallons to be irrigated annually to meet the pump down requirements in the operating permit is 10,950,000 (30,000*365) gallons.
 - The facility has all year to meet that requirement on the 20 acres available, at the application rate of about 21 inches per year.
- Wastewater irrigation will be completed with a traveling gun that has the capacity to irrigate at 120 gpm and has a reach of 5.3 acres per pull.
 - The irrigation line from the storage basin to the traveling gun connection valves is approximately 728 lf of 2 inch forcemain.
 - The irrigation field has been divided into 3 zones with 2 connection points to attach the traveling gun on.
 - The traveling gun will be ABI 82 GX 985, Series 570 GX manufactured by ABI Irrigation. The wastewater will be irrigating at a hydraulic rate.
- The facility selected to use an application rate of 1 inch per day, 2 inches per week, and 21 inches per year, which is below the maximum application rate recommendations Dr. Randy Miles presented in his soils report of 1 inch per day, 3 inches per week and 40 inches per year.
 - The geohydrological evaluation completed by MGS gave the site a slight collapse potential and slight overall geologic limitations rating.
 - The geohydrological evaluation and the soils report were reviewed with the Facility Plan review and approval in spring 2016.
- Access to the fields is restricted by a bluff on Highway 63, a fence around the Columbia Auto Auction's property and being setback from E. Bass Lane Road on average by 400 feet, vehicle access is prevented by gates, pedestrian access is prevented by crop planting, and the entire farm area is currently posted for no trespassing.
- The facility does not plan to remove sludge from the existing lagoons as part of this project. If sludge is removed from the lagoons, it is taken to the City of Columbia according to the operating permit application.

5. OPERATING PERMIT

After completion of construction project submit: statement of work completed, as-built if the project was not constructed in accordance with previously submitted plans and specifications. Following completion of construction, operating permit MO-0100625 will be terminated and the facility will receive coverage under MOG823. The renewal application and modification application have been received. The facility paid for its operating permit modification. To receive coverage under the general permit, when construction is complete, submit a Statement of Work Completed and request to issue the general permit.

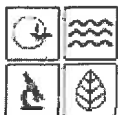
V. NOTICE OF RIGHT TO APPEAL

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

Cailie Carlile, P.E.
Engineering Section
cailie.carlile@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	

1015-21

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: 5/16/16 ☐ 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: 12/05/16
☐ 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 <u>HIGH HILL CIRCLE MOBILE HOME PARK</u>	2.2 ESTIMATED PROJECT CONSTRUCTION COST \$ _____
2.3 PROJECT DESCRIPTION <u>LAND APPLICATION OF EXISTING TREATED EFFULANT</u>	
2.4 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION <u>SLUDGE MAINTAINED IN EXISTING LAGOONS</u>	
2.5 DESIGN INFORMATION A. Current population: <u>300</u> ; Design population: <u>300</u> B. Actual Flow: <u>30000</u> gpd; Design Average Flow: <u>30000</u> gpd; Actual Peak Daily Flow: <u>30000</u> gpd; Design Maximum Daily Flow: <u>30000</u> gpd; Design Wet Weather Event: _____	
2.6 ADDITIONAL INFORMATION A. Is a topographic map attached? ☐ YES ☒ NO B. Is a process flow diagram attached? ☐ YES ☒ NO	

RECEIVED

OCT 15 2021

3.0 WASTEWATER TREATMENT FACILITY					
NAME <u>HIGH HILL CIRCLE MOBIL HOME PK</u>		TELEPHONE NUMBER WITH AREA CODE		E-MAIL ADDRESS	
ADDRESS (PHYSICAL) <u>5360 OLD MILLERS ROAD</u>		CITY <u>COLUMBIA</u>	STATE <u>MO</u>	ZIP CODE <u>65201</u>	COUNTY <u>BOONE</u>
Wastewater Treatment Facility: Mo- (Outfall Of)					
3.1 Legal Description: _____ 1/4, _____ 1/4, _____ 1/4, Sec. <u>3</u> , T <u>47</u> , R <u>12</u> (Use additional pages if construction of more than one outfall is proposed.)					
3.2 UTM Coordinates Easting (X): <u>564233</u> Northing (Y): <u>4304074</u> For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)					
3.3 Name of receiving streams: <u>UNNAMED TRIBUTARY TO BOONE FEMALE CREEK</u>					
4.0 PROJECT OWNER					
NAME <u>DORIS OVERTON</u>		TELEPHONE NUMBER WITH AREA CODE <u>573-268-6484</u>		E-MAIL ADDRESS	
ADDRESS <u>1908 S. FAIRVIEW RD</u>		CITY <u>COLUMBIA</u>	STATE <u>MO</u>	ZIP CODE <u>65203</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>DORIS OVERTON</u>		TELEPHONE NUMBER WITH AREA CODE <u>573-268-6484</u>		E-MAIL ADDRESS	
ADDRESS <u>1908 S. FAIRVIEW</u>		CITY <u>COLUMBIA</u>	STATE <u>MO</u>	ZIP CODE <u>65203</u>	
5.1 A letter from the continuing authority, if different than the owner, is included with this application. ☐ YES ☐ NO ☒ N/A					
5.2 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHORITY IS A MISSOURI PUBLIC SERVICE COMMISSION REGULATED ENTITY.					
A. Is a copy of the certificate of convenience and necessity included with this application? ☐ YES ☐ NO					
5.3 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHORITY IS A PROPERTY OWNERS ASSOCIATION.					
A. Is a copy of the as-filed restrictions and covenants included with this application? ☐ YES ☐ NO					
B. Is a copy of the as-filed warranty deed, quitclaim deed or other legal instrument which transfers ownership of the land for the wastewater treatment facility to the association included with this application? ☐ YES ☐ NO					
C. Is a copy of the as-filed legal instrument (typically the plat) that provides the association with valid easements for all sewers included with this application? ☐ YES ☐ NO					
D. Is a copy of the Missouri Secretary of State's nonprofit corporation certificate included with this application? ☐ YES ☐ NO					
6.0 ENGINEER					
ENGINEER NAME / COMPANY NAME <u>J. DANIEL BRUSH / BRUSH ASSOCIATES</u>		TELEPHONE NUMBER WITH AREA CODE <u>573-442-3110</u>		E-MAIL ADDRESS	
ADDRESS <u>560 NICHOLS STREET STE A</u>		CITY <u>COLUMBIA</u>	STATE <u>MO</u>	ZIP CODE <u>65201</u>	
7.0 APPLICATION FEE					
☐ CHECK NUMBER ☐ JETPAY CONFIRMATION NUMBER					
8.0 PROJECT OWNER: I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.					
PROJECT OWNER SIGNATURE <u>Doris J. Overton</u>					
PRINTED NAME <u>DORIS J. OVERTON</u>				DATE <u>10-11-21</u>	
TITLE OR CORPORATE POSITION <u>MEMBER</u>		TELEPHONE NUMBER WITH AREA CODE <u>573-268-6484</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.					