

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

Kids Across America Kamp II
26272 Private Road 2232.
Golden, MO 65616

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 16, 2021
Effective Date

November 15, 2023
Expiration Date


Chris Wieberg, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

The Kids Across America Kamp II WWTF is located at 26272 Private Road 2232, Golden, in Barry County, Missouri. The purpose of the proposal is to combine flows from Kids Across America Kamp 1 WWTF and Kids Across America WWTF into a single treatment system. The treatment system includes existing collection system, with force mains, lift stations, septic tanks and the existing treatment plant at KAAK II of recirculating media filter, chemical phosphorus removal, and UV disinfection. The expansion will add 2 new filter beds, providing 5,002 sq ft of area, a new recirculation tank increasing the recirculation volume to 45,815 gallons, 2 new 3.5 hp submersible pumps to serve the filter beds operating at 370 gpm at 24.95 ft TDH, and 2 new UV disinfection units bringing it to a total of 6 units capable of disinfecting 498 gpm. The new design average flow is 66,425 gpd, serving a hydraulic population equivalent of 664.

A closure plan will need to be submitted to the Southwest Regional Office for review and approval prior to closure activities for the Kids Across America Kamp, MO0117803.

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 Wayne Diebold, PE, with Rozell Engineering 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 Southwest Regional Office per 10 CSR 20-7.015(9)(G).
5. The wastewater treatment facility shall be located at least two hundred feet (200') from any dwelling or establishment 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-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. In accordance with 10 CSR 20-6.010(12), a full closure plan shall be submitted to the Department's Southwest Regional Office for review and approval of any permitted wastewater treatment system being replaced. The closure plan must meet the requirements outlined in Standard Conditions Part III of the Missouri State Operating Permit No. MO- 0117803. Closure shall not commence until the submitted closure plan is approved by the Department. Form J – *Request for Termination of a State Operating Permit*, shall be submitted to the Water Protection Program for termination of any existing Missouri state operating permit, once closure is completed in accordance with the approved closure plan.

11. 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.
 - Leakage tests shall be specified for gravity sewers except polyvinyl chloride (PVC) pipe with a diameter of twenty-seven inches (27") or less. 10 CSR 20-8.120 (3) (C) 2.
 - The leakage exfiltration or infiltration for gravity sewers shall not exceed one hundred (100) gallons per inch of pipe diameter per mile per day for any section between manholes of the system. An exfiltration or infiltration test shall be performed with a minimum positive head of two feet (2'). The exfiltration or infiltration test shall conform to the test procedure described 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, for precast concrete pipe. 10 CSR 20-8.120 (3) (C) 2. A.
 - The air test for sewers shall, conform to the test procedure described in ASTM C1103 – 14 *Standard Practice for Joint Acceptance Testing of Installed Precast Concrete Pipe Sewer Lines*, as approved and published November 1, 2014, for concrete pipe twenty-seven inches (27") or greater in diameter, and ASTM F1417 – 11a(2015) *Standard Practice for Installation Acceptance of Plastic Non-pressure Sewer Lines Using Low-Pressure Air*, as approved and published August 1, 2015, for plastic, composite, and ductile iron pipe. 10 CSR 20-8.120 (3) (C) 2. B.
 - 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.
- Facilities shall be readily accessible by authorized personnel from a public right-of-way at all times. 10 CSR 20-8.140 (2) (D)
- The outfall shall be so constructed and protected against the effects of flood water, ice, or other hazards as to reasonably ensure its structural stability and freedom from stoppage. 10 CSR 20-8.140 (6) (A)
- All sampling points shall be designed so that a representative and discrete twenty-four (24) hour automatic composite sample or grab sample of the effluent discharge can be obtained at a point after the final treatment process and before discharge to or mixing with the receiving waters. 10 CSR 20-8.140 (6) (B)
- All outfalls shall be posted with a permanent sign indicating the outfall number (i.e., Outfall #001). 10 CSR 20-8.140 (6) (C)
- All wastewater treatment facilities shall be provided with an alternate source of electric power or pumping capability to allow continuity of operation during power failures. 10 CSR 20-8.140 (7) (A) 1.
- Disinfection and dechlorination, when used, shall be provided during all power outages. 10 CSR 20-8.140 (7) (A) 2.
- Electrical systems and components in raw wastewater or in enclosed or partially enclosed spaces where hazardous concentrations of flammable gases or vapors that are normally present, shall comply with the NFPA 70 *National Electric Code (NEC)* (2017 Edition), as approved and published August 24, 2016, requirements for Class I, Division 1, Group D locations. 10 CSR 20-8.140 (7) (B)
- An audiovisual alarm or a more advanced alert system, with a self-contained power supply, capable of monitoring the condition of equipment whose failure

could result in a violation of the operating permit, shall be provided for all wastewater treatment facilities. 10 CSR 20-8.140 (7) (C)

- 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)
 - Explosion-proof electrical equipment, non-sparking tools, gas detectors, and similar devices, in work areas where hazardous conditions may exist, such as digester vaults and other locations where potentially explosive atmospheres of flammable gas or vapor with air may accumulate. 10 CSR 20-8.140 (8) (K)
 - 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)
- The materials utilized for storage, piping, valves, pumping, metering, and splash guards, etc., for chemical handling, shall be specially selected considering the physical and chemical characteristics of each hazardous or corrosive chemical. 10 CSR 20-8.140 (9) (A) 1.
- All pumps or feeders for hazardous or corrosive chemicals shall have guards that will effectively prevent spray of chemicals into space occupied by facility personnel. 10 CSR 20-8.140 (9) (A) 3.
- The identification and hazard warning data included on chemical shipping containers, when received, shall appear on all containers (regardless of size or type) used to store, carry, or use a hazardous substance. 10 CSR 20-8.140 (9) (E)

- All wastewater treatment facilities must have a screening device, comminutor, or septic tank for the purpose of removing debris and nuisance materials from the influent wastewater. 10 CSR 20-8.150 (2)
- Effective flow splitting devices and control appurtenances (*e.g.* gates and splitter boxes) shall be provided to permit proper proportioning of flow and solids loading to each settling unit, throughout the expected range of flows. 10 CSR 20-8.160 (2) (B)
- A minimum of two (2) recirculating media filter beds and a diversion box are required for all design flows. 10 CSR 20-8.180 (3) (B)
- Dosing. Both timer and float switch controls are required; timers are the primary method of operation and the float switch control is a back-up. 10 CSR 20-8.180 (3) (C)
- The media is any of a number of physical structures whose sole purpose is to provide a surface to support biological growth. Commonly used media includes rock, gravel, and sand of various sizes, textile media, and peat. Finely crushed limestone, dolomite, slag, any clay, limestone, or appreciable amounts of organic material is not acceptable. 10 CSR 20-8.180 (3) (E)
- The UV dosage shall be based on the design peak hourly flow, maximum rate of pumpage, or peak batch flow. 10 CSR 20-8.190 (5) (A) 1.
- If no flow equalization is provided for a batch discharger, the UV dosage shall be based on the peak batch flow. 10 CSR 20-8.190 (5) (A) 2.
- The UV system shall deliver the target dosage based on equipment derating factors and, if needed, have the UV equipment manufacturer verify that the scale up or scale down factor utilized in the design is appropriate for the specific application under consideration. 10 CSR 20-8.190 (5) (A) 3.
- The UV system shall deliver a minimum UV dosage of thirty thousand microwatt seconds per centimeters squared ($30,000 \mu\text{W} \cdot \text{s}/\text{cm}^2$). 10 CSR 20-8.190 (5) (A) 4.
- The UV system must continuously monitor and display at the UV system control panel the following minimum conditions:
 - The relative intensity of each bank or closed vessel system; 10 CSR 20-8.190 (5) (C) 1. A.
 - The operational status and condition of each bank or closed vessel system; 10 CSR 20-8.190 (5) (C) 1. B.
 - The ON/OFF status of each lamp in the system; 10 CSR 20-8.190 (5) (C) 1. C. and
 - The total number of operating hours of each bank or each closed vessel system. 10 CSR 20-8.190 (5) (C) 1. D.
- The UV system shall include an alarm system. Alarm systems shall comply with 10 CSR 20-8.140(7)(C). 10 CSR 20-8.190 (5) (C) 2.

12. Upon completion of construction:

- A. Kids Across America Foundation will become the continuing authority for operation and maintenance of these facilities;

- B. Submit an electronic copy of the as builts if the project was not constructed in accordance with previously submitted plans and specifications;
- C. Submit the enclosed form Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(N); and
- D. Submit Form B - Application for an Operating Permit for Domestic or Municipal Wastewater ($\leq 100,000$ gallons per day) and fee of \$750 to the Engineering Section of the Water Protection Program.

IV. REVIEW SUMMARY

1. CONSTRUCTION PURPOSE

Construction will include the expansion of the recirculating media filter, with an additional recirculation tank, and expansion of the disinfection system, to facilitate the closure of permitted facility, MO0117803.

2. FACILITY DESCRIPTION

The Kids Across America Kamp II WWTF is located at 26272 Private Road 2232. Golden, in Barry County, Missouri. The purpose of the proposal is to combine flows from Kids Across America Kamp 1 WWTF and Kids Across America WWTF into a single treatment system. The treatment system includes existing collection system, with force mains, lift stations, septic tanks and the existing treatment plant at KAAK II of recirculating media filter, chemical phosphorus removal, and UV disinfection. The expansion will add gravity collection system, 2 new filter beds, a new recirculation tank, and expansion of the disinfection system. The new design average flow is 66,425 gpd, serving a hydraulic population equivalent of 664.

3. COMPLIANCE PARAMETERS

The proposed project is required to meet final effluent limits listed below that were established in the Antidegradation review dated July 2020. The limits following the completion of construction will be applicable to the facility:

PARAMETER	UNITS	DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE
FLOW	MGD	*		*
BOD ₅	MG/L		30	20
TSS	MG/L		30	20
pH	SU	6.5 – 9.0		6.5 – 9.0
AMMONIA AS N (APRIL 1 – SEPT 30)	MG/L	12.1		4.0
AMMONIA AS N (OCT 1 – MAR 31)	MG/L	12.1		4.6

OIL & GREASE	MG/L	15		10
<i>ESCHERICHIA COLIFORM (E. COLI)</i>	NOTE 1	630**		126**
ALUMINUM, TOTAL RECOVERABLE	μG/L	*		*
TOTAL PHOSPHORUS	MG/L			0.5

4. ANTIDegradation

The Department has reviewed the antidegradation report for this facility and issued the Water Quality and Antidegradation Review dated July 2020, due to increase in design flow to 66,452 gpd. See the draft Operating Permit **APPENDIX – ANTIDegradation**.

5. REVIEW of MAJOR TREATMENT DESIGN CRITERIA

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

The existing treatment systems were installed under construction permits issued by the SWRO, the most recent in 2000 for the additional septic tanks, mixing tanks, and 2 of the filter beds.

- Mixing Tank-A 2,000 gallon tank for chemical addition for phosphorus removal. The chemical feed pump can provide up to 4.5 gallons per hour of sodium aluminate solution
- Septic Tank – A septic tank provides passive primary treatment as the settleable solids in raw wastewater settle onto the bottom of the tank. Total Septic tank capacity within the system is 125,811 gallons. Settled solids in the septic tank shall be removed by a contract hauler.
 - At KAA Kamp No. 1, there is 18,000 gallons of capacity.
 - 8-2,000 gallon tanks
 - 2-1,000 gallon tanks
 - At KAA Kamps No. 2 and 3, there is 26,500 gallons of capacity.
 - 9-2,000 gallon tanks
 - 1-1,500 gallon tank
 - 7-1,000 gallon tanks
 - At KAA Kamp No. II WWTF, there is 81,311 gallons of capacity.
 - 2-32,309 gallon tanks
 - 1-16,693 gallon tank
- Recirculation Tank – There is an existing recirculation tank with a capacity of 36,773 gallons with an effective pumping volume of 30,644 gallons.
- Recirculating Media Filter – There are currently 4 filter beds serving KAA Kamp II WWT, each 40.17 ft in width by 61 ft in length, providing a filter bed area of 9,800 sq. ft and an existing loading rate of 5 gpd/sq ft.
- UV Disinfection- Currently there are 4 Sanitron S500C UV installed, each unit capable of treating 83 gpm.
- The treatment facility has a trailer mounted back-up generator which can be connected within minutes.

Construction will cover the following items:

- With the new design average flow, the 125,811 gallons capacity within the septic tanks provides approximately 1.89 days or 45 hours of detention time. The 81,311 gallons at KAAK No. 2 WWTF provides 1.22 days of detention time at 66,425 gpd.

- Recirculation Tank – Construction of one recirculation tank to pump primary treated wastewater to the recirculating media filter.
 - The new recirculation tank will have a 16,035 gallon capacity with an effective pumping volume of 13,171 gallons and be adjacent to the larger existing recirculation tank.
 - Overall effective pumping volume between the 2 tanks is 43,815 gallons or approximately 66% of the design average flow.
 - The recirculation tanks will be connected with the installation of 2-8 inch diameter pipes at floor level between the tanks, allowing for flow between the tanks.
 - The pumps in the recirculation tanks will be 2-3.75 H.P., submersible non-clog pumps, ABS Model AF-28, with a 4 inch diameter discharge openings. The pumps will be capable of providing 370 gpm at a 24.95 ft TDH
 - This rate of flow will produce a scouring velocity of
 - 2.4 ft/sec in the 8" force main,
 - 2.1 ft/sec in the 6" force main after the tee,
 - 2.4 ft/sec in the 4" manifold, and
 - 2.6 ft/sec in the 1-1/2" distribution lines.
 - Initially the recirculation pumps will be on a 2.5 minute on/off cycle running every 15 minutes by timer.
 - In all, five floats will be placed in the recirculation tank. Two sets of floats will control the on/off operation of the lead pump and the lag pump. The remaining float will engage a visual/audio alarm if liquid levels get to high in the recirculation tank.
- Recirculating Media Filter – Two new filter beds each 41 ft in width by 61 ft in length will be added to the existing 4 filter beds, bringing it up to 6 filter beds.
 - The area of the new filter beds is 5,002 sq ft, split between 2 beds with a common wall.
 - For the 17,000 gpd being added from KAAK No. 1, which will go to the next filter beds, the loading rate is 3.3 gpd/ sq ft meeting the requirement of 10 CSR 20-8.180(3)(D) of 3.5 gpd/ sq ft.
 - Overall area of the 6 filter beds is 14,802 sq ft, which gives an overall loading into the filters of 4.48 gpd/ sq ft over the entire system at design average flow.
 - The PVC distribution lines will be 1 ½ inches in diameter, spaced 4 ft apart on center.
 - All orifices will be 7/64 of an inch in diameter, discharging 18.50 gpm at a pressure of 4.2 ft.
 - The filter media layer is 36 ft deep containing media with an effective size of 3 mm to 5 mm and a uniformity coefficient less than 2.
 - The pea gravel media will be placed directly on a minimum of 1 ft of durable gravel with an effective size of 0.5 to 1.0 inch.
 - 4 inch diameter perforated PVC collection pipe will connect to the 8 inch pipe back to the recirculation tank
- Effluent from the gravel filter will be returned by the use of 4" diameter perforated drains, four located in the bottom of each bed.

- The 4" lines will drain back to the two 8" diameter mains that will then drain into the existing flow splitter that uses orifices to achieve a flow split ratio of 4:1.
- UV Disinfection - Construction will include the installation of 2 new Sanitron S500C UV units, with the capability of treating 83 gpm, providing capability within the 6 units of disinfecting up to 498 gpm.
 - With a total pumping rate of 1,110 gpm for the entire facility and a flow ratio of 4:1 between the recirculation tanks and the U-V units, the flow into the ultraviolet units would be 222 gpm or 1/5 of the total flow.
 - Delivering a minimum UV intensity of 30 mJ/cm² with an expected ultraviolet transmissivity of 85% or greater.

6. OPERATING PERMIT

Operating permit MO-0123285 will require a modification to reflect the construction activities. The modified Kids Across America Kamp WWTF, was successfully public noticed from October 8, 2021 to November 8, 2021 with no comments received. Submit the Statement of Work Completed to the Department in accordance with 10 CSR 20-6.010(5)(N) and request the operating permit modification be issued. With the Statement of Work Completed form, also submit a Form B Operating Permit Application and the modification fee of \$750.

Your operating permit application for a renewal will be due before your CP is expired. A renewal application must be filed before October 2, 2023.

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 \$1000.00	CHECK NO. 29692
DATE RECEIVED 8-19-21	8B

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: 7/8/20 N/A
- 1.3 Has the department approved the proposed project's facility plan*?
 YES Date of Approval: 6/3/21 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.

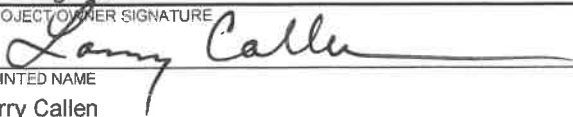
2.0 PROJECT INFORMATION

2.1 NAME OF PROJECT Kids Across America Kamp II	2.2 ESTIMATED PROJECT CONSTRUCTION COST \$ 200,000
2.3 PROJECT DESCRIPTION Addition of two gravel filter beds each 61' x 41', a 16,035 gallon recirculation tank with two 3.75 HP pumps (370 gpm @ 24.95' TDH), and two ultraviolet disinfection units each rated for 83 gpm along with all necessary piping and fittings to existing facility.	
2.4 SLUDGE HANDLING, USE AND DISPOSAL DESCRIPTION Sludge will be stored in the existing septic tanks and pumped out by a contract hauler to be properly disposed of.	
2.5 DESIGN INFORMATION A. Current population: <u>694</u> ; Design population: <u>828</u> B. Actual Flow: <u>55700</u> gpd; Design Average Flow: <u>66425</u> gpd; Actual Peak Daily Flow: _____ gpd; Design Maximum Daily Flow: _____ gpd; Design Wet Weather Event: _____	
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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

RECEIVED

AUG 19 2021

Water Protection Program

3.0 WASTEWATER TREATMENT FACILITY				
NAME Kids Across America Kamp II WWTF		TELEPHONE NUMBER WITH AREA CODE 417-266-4000		E-MAIL ADDRESS lccallen@kaakamps.org
ADDRESS (PHYSICAL) 26272 Private Road 2232	CITY Golden	STATE MO	ZIP CODE 65658	COUNTY Barry
Wastewater Treatment Facility: Mo- 0123285 (Outfall 1 Of 1)				
3.1 Legal Description: <u>SW</u> ¼, <u>NE</u> ¼, <u>NE</u> ¼, Sec. <u>27</u> , T <u>22N</u> , R <u>25W</u> (Use additional pages if construction of more than one outfall is proposed.)				
3.2 UTM Coordinates Easting (X): <u>444314</u> Northing (Y): <u>4049649</u> For Universal Transverse Mercator (UTM), Zone 15 North referenced to North American Datum 1983 (NAD83)				
3.3 Name of receiving streams: <u>Table Rock Lake</u>				
4.0 PROJECT OWNER				
NAME Kids Across America Foundation		TELEPHONE NUMBER WITH AREA CODE 417-266-4000		E-MAIL ADDRESS lccallen@kaakamps.org
ADDRESS 2036 Timberlake Road	CITY Branson	STATE MO	ZIP CODE 65616	
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 Kids Across America Foundation		TELEPHONE NUMBER WITH AREA CODE 417-266-4000		E-MAIL ADDRESS lccallen@kaakamps.org
ADDRESS 2036 Timberlake Road	CITY Branson	STATE MO	ZIP CODE 65616	
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 Wayne Diebold/Rozell Engineering Company		TELEPHONE NUMBER WITH AREA CODE 417-334-4141		E-MAIL ADDRESS wdiebold@rozellgroup.net
ADDRESS 2404 State Hwy 248, Suite 4	CITY Branson	STATE MO	ZIP CODE 65616	
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 Larry Callen			DATE 8-16-21	
TITLE OR CORPORATE POSITION Property Director		TELEPHONE NUMBER WITH AREA CODE 417-266-4000		E-MAIL ADDRESS lccallen@kaakamps.org
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.				