STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



CONSTRUCTION PERMIT

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

Missouri-American Water Company 901 Hog Hollow Rd Chesterfield, MO 63017

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 28, 2020 Effective Date

Edward B. Galbraith, Director, Division of Environmental Quality

August 27, 2022

Expiration Date

Chris Wieberg, Director, Water Protection Program

CONSTRUCTION PERMIT

I. CONSTRUCTION DESCRIPTION

Two Ares Aerohub 8T statis tube air diffuser aerators will be installed in lagoon cell #1.

The proposed upgrade will close out lagoon cell #3 and a Triplepoint Water Technologies, NitrOxTM system will be installed where lagoon cell #3 is currently. The lagoon treated effluent will flow by gravity to an airlift manhole, which will be used to control the flow to the NitrOxTM system. The NitrOxTM system is capable of treating a design average flow of 15,762 gpd and a peak daily flow rate of 47,286 gpd. The system includes two NitrOx treatment tanks, with a total volume of 3,770 gallons. A floating insulating cover shall be installed in each tank. An immersion tank heater will be installed to maintain a minimum wastewater temperature of 5°C. Each tank shall be filled with high surface area HDPE media. Aeration by means of two tri-lobe or bi-lobe positive displacement blowers (one duty, one standby) to a coarse bubble aeration grid in each treatment tank. The effluent from the NitrOxTM will flow by gravity to to the NitrOx Clarifier tank.

The final clarifier will be 10 ft x 10 ft square with a 10 ft side water depth. An air lift surface skimmer is provided to remove grease and floatables. The clarified effluent will flow by gravity to the flow meter manhole. An air lift pump will be provided to move settled sludge to the sludge holding chamber or return to the aeration chamber.

An effluent electromagnetic 2-inch flow meter shall be installed to measure the wastewater flow prior to disinfection and discharge at Outfall No. 001.

Installation of a Norweco Bio-Dynamic®, Tablet Feeder Model ITR 2000-S tablet chlorinator with a design flow of 20,000 gpd and a maximum flow of 100,000 gpd. Installation of a pre-cast concrete tank that will allow for a 15 minute chlorine contact time during a peak flow of 65,569 gpd. Installation of a Norweco Bio-Dynamic®, Tablet Feeder Model ITR 2000-S tablet dechlorinator with a design flow of 20,000 gpd and a maximum flow of 100,000 gpd. Effluent will leave the dechlorinator and flow through a flow sampling location before discharge to the outfall.

A closure plan will need to be submitted to the Central Field Office for review and approval prior to closure activites for lagoon cell #3.

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 Jamie Richardson with Walker Richardson 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 Central Field Office per 10 CSR 20-7.015(9)(G).
- 5. The wastewater treatment facility shall be located above the twenty-five (25)-year flood level.
- 6. 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.
- 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 <u>dnr.mo.gov/env/wpp/epermit/help.htm</u>. See <u>dnr.mo.gov/env/wpp/stormwater/sw-land-disturb-permits.htm</u> for more information.

- 8. A United States (U.S.) Army Corps of Engineers (COE) permit (404) and a Water Quality Certification (401) issued by the Department or permit waiver may be required for the activities described in this permit. This permit is not valid until these requirements are satisfied. If construction activity will disturb any land below the ordinary high water mark of jurisdictional waters of the U.S. then a 404/401 will be required. Since the COE makes determinations on what is jurisdictional, you must contact the COE to determine permitting requirements. You may call the Department's Water Protection Program at 573-751-1300 for more information. See <u>dnr.mo.gov/env/wpp/401/</u> for more information.
- 9. In accordance with 10 CSR 20-6.010(12), a full closure plan shall be submitted to the Department's Central Field 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-00098477. 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.
- 10. All construction must adhere to applicable 10 CSR 20-8 (Chapter 8) requirements listed below.

10 CSR 20-8.140 Wastewater Treatment Facilities

- 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.
- No treatment unit with a capacity of twenty-two thousand five hundred gallons per day (22,500 gpd) or less shall be located closer than the minimum distance of 200' to a neighboring residence and 50' to property line for lagoons; and 50' to a neighboring residence for all other discharging facilities. See 10 CSR 20-2.010(68) for the definition of a residence. 10 CSR 20-8.140 (2) (C) 2
- Facilities shall be readily accessible by authorized personnel from a public right–ofway at all times. 10 CSR 20-8.140 (2) (D)

- 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)
- Moving Bed Bioreactor (MBBR). A MBBR secondary treatment system shall provide upstream preliminary treatment units capable of—
 - Screening to reduce pass-through and suspended solids; 10 CSR 20-8.180 (8)(A)
 - Grit removal; 10 CSR 20-8.180 (8)(B) and
 - Oil and grease removal. 10 CSR 20-8.180 (8)(C)

10 CSR 20-8.160 Settling.

- Overflow weirs shall be readily adjustable over the life of the structure to correct for differential settlement of the tank. 10 CSR 20-8.160 (3) (C) 1.
- Walls of settling tanks shall extend at least six inches (6") above the surrounding ground surface and shall provide not less than twelve inches (12") of freeboard. 10 CSR 20-8.160 (3) (E)
- Safety features shall appropriately include machinery covers, life lines, handrails on all stairways and walkways, and slip resistant surfaces. For additional safety follow the provisions listed in 10 CSR 20-8.140(8). 10 CSR 20-8.160 (5) (A)
- The design shall provide for convenient and safe access to routine maintenance items such as gear boxes, scum removal mechanism, baffles, weirs, inlet stilling baffle areas, and effluent channels. 10 CSR 20-8.160 (5) (B)
- For electrical equipment, fixtures, and controls in enclosed settling basins and scum tanks, where hazardous concentrations of flammable gases or vapors may accumulate, follow the provisions in 10 CSR 20-8.140(7)(B). The fixtures and controls shall be conveniently located and safely accessible for operation and maintenance. 10 CSR 20-8.160 (5) (C)

10 CSR 20-8.190 Disinfection.

• Contact period for Chlorine Disinfection. A minimum contact period of fifteen (15) minutes at design peak hourly flow or maximum rate of pumpage shall be provided after thorough mixing. 10 CSR 20-8.190 (3) (A)

- Contact time. A minimum of thirty (30) seconds for mixing and contact time of dechlorination systems shall be provided at the design peak hourly flow or maximum rate of pumpage. 10 CSR 20-8.190 (4) (B) 2.
- 11. Upon completion of construction:
 - A. The Missouri American Water Company 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), and ensure than the operating permit modification fee has been submitted to the Engineering Section of the Water Protection Program, 60 days prior to operation. Identify that the application is for a General permit for Non-POTW's Discharging \leq 50,000 GPD (MOGD).

IV. REVIEW SUMMARY

1. CONSTRUCTION PURPOSE

The existing operating permit includes a schedule of compliance for Ammonia as N and *E. coli* final effluent limits, which will become effective on October 1, 2021. The proposed system is designed to achieve these future effluent limits.

2. FACILITY DESCRIPTION

The existing facility is a 3-cell aerated lagoon system. The proposed upgrade will close out lagoon cell #3 and install a NitrOxTM system with tablet chlorination and dechlorination after lagoon cell #2.

The MAWC Cedar Valley WWTF is located at 0.1 miles NE of Woodridge Trail and Cedar Valley Road, Jefferson City, in Cole County, Missouri. The facility has a design average flow of 15,762 gpd and serves an organic population equivalent of approximately 185 people.

3. <u>COMPLIANCE PARAMETERS</u>

The existing site specific operating permit will be converted to the General Permit for Non-POTW's Discharging \leq 50,000 GPD (MOGD), upon construction completion. The proposed project is required to meet the requirements of MOGD Table C with an expiration date of June 30, 2024.

Parameter	Units	Monthly average
		limit
Biochemical Oxygen	mg/L	30
Demand ₅		
Total Suspended Solids	mg/L	30
Ammonia as N-summer	mg/L	1.4
Ammonia as N-winter	mg/L	2.9
pH	SU	6.5-9.0
Total Residual Chlorine	μg/L	8 (130 ML)
E. Coli	#/100mL	206

The limits following the completion of construction will be applicable to the fact
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4. <u>REVIEW of MAJOR TREATMENT DESIGN CRITERIA</u>

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

• Lagoon Cells No. 1 and 2 – The influent flows via gravity into the existing Lagoon Cell No. 1. Lagoon Cell No. 1 is and has a surface area of approximately 0.317 acres. Lagoon Cell No. 2 has a surface area of approximately 0.06 acres.

Construction will cover the following items:

- Lagoon Cell #3 will be abandoned and closed out. The NitrOxTM system will be installed where lagoon cell #3 is currently.
- Aerators will be installed in lagoon cell #1. Two Ares Aerohub 8T statis tube air diffuser aerators will be installed, each capable of 22.4 scfm of air. Each unit will consist of a coarse bubble static tube aerator surrounded by a series of fine bubble diffusers.
- Components are designed for a Population Equivalent of 185 based on organic loading to the system.
- Triplepoint Water Technologies, LLC NitrOxTM The lagoon treated effluent will flow by gravity to a five foot (5') diameter airlift manhole, which will be used to control the flow to the NitrOxTM system. Lagoons cells #1 and #2 may be used for flow equalization if the WWTF experiences flows above the NitrOxTM design capacity. The NitrOxTM system is capable of treating a design average flow of 15,762 gpd, a peak daily flow rate of 47,286 gpd, and a peak hourly flow rate of 121,367 gpd. The system includes two NitrOxTM treatment tanks, each 6 foot square by 10 ft deep with a sidewater depth of approximately 7 ft. Total volume of the two tanks is 3,770 gallons. The average flow hydraulic retention time is 5.7 hours and the peak hourly flow hydraulic retention time is 1.3 hours. A floating insulating cover shall be installed in each tank. An immersion tank heater will be installed to maintain a minimum wastewater temperature of 5°C. Each tank shall

be filled with high surface area HDPE media. Aeration by means of two tri-lobe or bi-lobe positive displacement blowers (one duty, one standby) each capable of supplying 46 scfm with 3 HP motors to a coarse bubble aeration grid in each treatment tank. The effluent from the NitrOxTM will flow by gravity to to the NitrOxTM Clarifier tank prior to disinfection and discharge.

- Final Clarifier The final clarifier will be 10 ft x 10 ft square with a 10 ft side water depth and a peak overflow rate of 1200 gpd/ft². An air lift surface skimmer is provided to remove grease and floatables and return to the first/second aeration chamber. A 26 inch diameter circular adjustable v-notch weir provides approximately 2.16 lf of skimming surface for no more than 20,000 gpd/lf. The clarified effluent will flow by gravity to the disinfection system. An air lift pump will be provided to move settled sludge from the square hopper bottoms to the sludge holding chamber or return to the aeration chamber as return activated sludge.
- Flow Measurement Installation of accurate flow measurement devices will give the treatment facility a means of improved data analysis.
 - Electromagnetic Meter An effluent electromagnetic 2-inch flow meter shall measure the secondary treated wastewater prior to disinfection and discharge at Outfall No. 001.
- Disinfection Disinfection is the process of removal, deactivation, or killing of pathogenic microorganisms.
 - Tablet Chlorinator Installation of a Norweco Bio-Dynamic[®], Tablet Feeder Model ITR 2000-S chlorination chamber receiving clarified effluent and prior to the chlorine contact tank. The tablet chlorinator has a design flow of 20,000 gpd and a maximum flow of 100,000 gpd. The system will dispense hypochlorite as the wastewater comes into contact with the tablets.
 - Chlorine Contact Tank Installation of a pre-cast concrete tank approximately 6.5 ft long x 3 ft high with 6 end-around baffled channel eachs 0.792 ft wide allowing for a greater than 40:1 length to width ratio. This tank will allow for a 15 minute contact time during a peak flow of 65,569 gpd.
 - Tablet Dechlorinator Installation of a Norweco Bio-Dynamic[®], Tablet Feeder Model ITR 2000-S dechlorination chamber receiving the chlorinated effluent and prior to Outfall No. 001. The tablet dechlorinator has a design flow of 20,000 gpd and a maximum flow of 100,000 gpd. The system will dispense sodium sulfite as the wastewater comes into contact with the tablets.
 - Effluent will leave the chlorine contact chamber and flow through a flow sampling location before discharge to the outfall.
- In the event of a power outage, MOAW hauls two emergency generators to Cedar Valley Subdivision. One is connected to the Lift Station and the second is used at the wastewater treatment facility.

5. **OPERATING PERMIT**

After completion of construction project submit: statement of work completed, asbuilts if the project was not constructed in accordance with previously submitted plans and specifications, and ensure that Application Form B, and fee has been submitted. The site specific operating permit will be converted to the Missouri State Operating Permit, General Permit for Non-POTW's Discharging \leq 50,000 GPD (MOGD), which will be issued after receipt of the above documents.

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

Cailie Carlile, P.E. Engineering Section cailie.carlile@dnr.mo.gov

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MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM APPLICATION FOR CONSTRUCTION PERMIT – WASTEWATER TREATMENT FACILITY

FOR	DEPA	RTMENT	USE	ONLY
APP NO.		CP NO.		

CHECK NO.

DATE RECEIVED

FEE 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.
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 X 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: X/A
 1.3 Has the department approved the proposed project's facility plan*? ☑ YES Date of Approval: <u>3/4/2020</u> 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: YES Date of submittal: X Enclosed is the appropriate operating permit application and fee submittal. Denote which form: A A B 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? A 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? X YES INO See Section 7.0
* Must be affixed with a Missouri registered professional engineer's seal, signature and date.
2.1 NAME OF PROJECT CONSTRUCTION COST
2.3 PROJECT DESCRIPTION
INSTALLATION OF TRIPLE POINT NITROX ANIMONIA REMOVAL SYSTEM, DISINFECTION SYSTEM
ASSOCIATED PIPING
SLUDGE IS STORED IN LAGOON AND DISPOSED OF BY MOAW
2.5 DESIGN INFORMATION
A. Current population: <u>185</u> ; Design population: <u>185</u>
B. Actual Flow: <u>I0,200</u> gpd; Design Average Flow: I <u>5,762</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? X YES NO
B. Is a process flow diagram attached? 🛛 YES 🗌 NO
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3.0 WASTEWATER TREATMENT FACILIT	Y				
NAME		TELEPHONE NUMBER WITH AF	REA CODE	E-MAIL ADDRESS	
MAWC - CEDAR VALLEY WASTEWA	CITY		STATE	ZIP CODE	COUNTY
WOODRIDGE TR & CEDAR DALLEY ROAD	VEFE	DOON RITH	mo	65109	COLE
Wastewater Treatment Facility: Mo-00984	11 (Outfall	001 Of 001)			
3.1 Legal Description: <u>NE</u> ¼, <u>NW</u> ¼ (Use additional pages if construction of more	, <u>NW</u> ! than one ou	∕₄, Sec. <u>22</u> , ⊺ <u>44/</u> itfall is proposed.)	I, R <u>12</u> W	noordoodhattyj tegytte oo geo	
3.2 UTM Coordinates Easting (X): <u>5663</u> For Universal Transverse Mercator (UTM), Zo	A Northin ne 15 North	g (Y): <u>אררגע2 ו-</u> n referenced to North Ameri	can Datum 198	33 (NAD83)	
3.3 Name of receiving streams: Tribu	Hary to	Wears Creek			
4.0 PROJECT OWNER					
NAME		TELEPHONE NUMBER WITH A	REA CODE	E-MAIL ADDRESS	
MISSOURI AMERICAN WATER	CITY	14-469-6050	STATE	timothy, ganz	Canwater com
901 HOG HOLLOW ROAD	CHEST	ERFIFZO	mo	63017	
5.0 CONTINUING AUTHORITY: A continuit and/or ensuring compliance with the permit re	ng authori equiremer	ty is a company, busines its.	s, entity or pe	erson(s) that will be	e operating the facility
NAME		TELEPHONE NUMBER WITH A	REA CODE	E-MAIL ADDRESS	
MISSOURI AMERICAN WATER COM ADDRESS	CITY	314-469-6050	STATE	Limothy, gan; ZIP CODE	2 Camwater. com
901 HOG HOLLOW ROAD	CHEST	RFIELD	mo	63017	
5.1 A letter from the continuing authority, if c	lifferent th	an the owner, is included	d with this app	blication.	6 🔲 NO 🕅 N/A
5.2 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHO	ORITY IS A MIS	SOURI PUBLIC SERVICE COMMIS	SION REGULATED		
A. Is a copy of the certificate of convenience	and nece		ipplication?		
5.3 COMPLETE THE FOLLOWING IF THE CONTINUING AUTHO	ORITY IS A PRO	DPERTY OWNERS ASSOCIATION.	tion2 UV		
A. Is a copy of the as-filed warranty doed at	uitoloim de	ncluded with this application		estore ownership a	of the land for the
wastewater treatment facility to the assoc	iation inclu	uded with this application	n? TYES		
C. Is a copy of the as-filed legal instrument (included with this application? YES	typically th	ne plat) that provides the	association v	with valid easemen	ts for all sewers
D. Is a copy of the Missouri Secretary of Sta	ite's nonpr	ofit corporation certificat	e included wi	th this application?	YES NO
6.0 ENGINEER					
ENGINEER NAME / COMPANY NAME		TELEPHONE NUMBER WITH A	REA CODE	E-MAIL ADDRESS	
JAMIE RICHARDSON WALKER RICHAR	S MOSCIS CITY	16 309-231-508	6 STATE	Jamie@wal	therrichardson.c
14305 W Rockhill Rd	Brim	field	IL	61517	
7.0 APPLICATION FEE					
		JETPAY CONFIRMATION NUM	BER		1 1/ A
supervision in accordance with a system des submitted. Based on my inquiry of the persoi gathering the information, the information sul aware that there are significant penalties for	signed to a n or perso bmitted is, submitting	insure that qualified pers ns who manage the syst to the best of my knowl false information, include	onnel proper em, or those edge and beli ling the possi	y gather and evalu persons directly re- ef, true, accurate, a bility of fine and im	ate the information sponsible for and complete. I am prisonment for
PROJECT OWNER SIGNATURE	augh	lii			
E. Claire McLaughlin				DATE 06/05/202	20
TITLE OR CORPORATE POSITION		TELEPHONE NUMBER WITH A	REA CODE	E-MAIL ADDRESS	
Engineering Project Specialist		314-706-5120		Elizabeth.McLa	aughlin@amwater.com
Mail completed copy to: MISSOUR WATER PI P.O. BOX JEFFERSC	I DEPART ROTECTIO 176 ON CITY,	MENT OF NATURAL R ON PROGRAM MO 65102-0176	ESOURCES		
		END OF PART A.			
REFER TO THE APPLICATION O 0 780-2189 (02-19)	VERVIEW	TO DETERMINE WHE	THER PART	B NEEDS TO BE	COMPLETE. Page 2 of 3