January 11, 2026
Expiration Date

### **STATE OF MISSOURI**

## **DEPARTMENT OF NATURAL RESOURCES**

MISSOURI CLEAN WATER COMMISSION



The Missouri Department of Natural Resources hereby issues a permit to:  Jeff Layton The City of Perryville
The City of Perryville
215 Northwest St Perryville, MO 63775
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.
January 12, 2024  Effective Date

John Hoke, Director, Water Protection Program

#### **CONSTRUCTION PERMIT**

#### **COLLECTION SYSTEM:**

The proposed wastewater collection system project will consist of a new (upgraded/replacement) lift station dry well with three 50-hp centrifugal pumps (capable of pumping a minimum of 1,000 gpm against 35 ft TDH and a maximum of 2,300 gpm against 55 ft TDH) and associated controls, related piping to connect the new dry well to the existing wet well, influent gravity main and force main (approximately 71 lf of 15-inch SDR-35 PVC gravity, approximately 58 lf of 12-inch SDR-35 PVC gravity, 4 manholes, and approximately 3,020 lf of 14-inch DR-25 PVC force main), stand-by natural gas generator, and all necessary appurtenances to make a complete and usable wastewater collection system. There will be no change in flow to the station, but the flow to the station was recalculated to be a design average of 91 gpm (131,040 gpd) and a peak instantaneous flow of 1,820 gpm (108,333 gph) due to the presence of significant I&I within the existing collection system. The project will also include general site work appropriate to the scope and purpose of the project.

On April 12, 2023, the Missouri Clean Water Commission approved a variance from the two-hour minimum emergency storage capacity, as required by 10 CSR 20-8.130(7)(A), allowing only 32 minutes of detention time at the peak hourly flow, but with a dedicated natural gas-powered stand-by generator.

These activities will be in the vicinity of the vicinity of School Street and Star Street in Perryville, Perry County and will discharge to an existing system to be treated at Perryville SE WWTF, MO-0051144.

#### **PERMIT CONDITIONS:**

- 1. This permit authorizes the activities and scope of work detailed in the plans and specifications submitted with the request.
- 2. All construction shall be consistent with plans and specifications signed and sealed by Timothy Baer with Baer Engineering, LLC and as described in this permit.
- 3. The department must be contacted in writing prior to making any changes to the plans and specifications that would directly or indirectly have an impact on the capacity, flow, system layout, or reliability of the proposed wastewater treatment facilities or any design parameter that is addressed by 10 CSR 20-8, in accordance with 10 CSR 20-8.110(11).
- 4. If construction will incorporate minor changes from previously submitted plans and specifications (i.e., changes that do not affect the capacity, flow, or system layout), submit an electronic copy of the as-built plans and specifications in accordance with 10 CSR 20-8.110(11).
- 5. State and federal law does not permit bypassing of raw wastewater, therefore steps must be taken to ensure that raw wastewater does not discharge during construction. If a sanitary sewer overflow or bypass occurs, report the appropriate information to the

department's Southeast Regional Office per 10 CSR 20-7.015(9)(G) or through the Online Bypass/SSO Reporting service on the Missouri Gateway for Environmental Management (MoGEM) portal found at <a href="https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem">https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem</a>.

- 6. Protection of drinking water supplies must meet the requirements of 10 CSR 20-8.120(5) and 10 CSR 23-3.010.
  - A. 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.
  - B. Sewers shall be laid at least 50 feet in a horizontal direction from any existing or proposed public water supply well or other water supply sources or structures.
- 7. Manholes shall be located with the top access at or above grade level.
- 8. In addition to the requirements for a construction permit, see 10 CSR 20-6.200 for land disturbance requirements 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 <a href="https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem">https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem</a>. See <a href="https://dnr.mo.gov/data-e-services/water/electronic-permitting-epermitting-permitting-epermitting-permitting-epermitting-permitting-epermitting
- 9. 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 <a href="https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/section-401-water-quality">https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/section-401-water-quality</a> for more information.

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

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

#### **APPLICABILITY**

- 1. This permit authorizes the construction of gravity sewer extensions, force mains, and lift stations. Non-earthen flow equalization storage basins at lift stations and inline storage, which flows back into the lift station or collection system, are also included.
- 2. The Missouri Department of Natural Resources may require a site-specific sewer extension construction permit due to compliance and enforcement actions in accordance with 10 CSR 20-6.010(13)(C).
- 3. This permit does not apply to:
  - A. Earthen storage basins;
  - B. Exempt projects in accordance with 10 CSR 20-6.010(1)(B), 10 CSR 20-6.010(5)(B), and RSMo 644.051 unless requested by the applicant or required by enforcement.

### **PREREQUISITES:**

- 1. The Sewer Extension Construction Permit application, appropriate fee, and documentation in accordance with 10 CSR 20-6.010(5)(G).
- 2. Submit the Sewer Extension Construction Permit application at least sixty (60) days in advance of the start of construction in accordance with 10 CSR 20-6.010(5)(F).
- 3. Submit an electronic copy of the construction permit application and documents to <a href="mailto:DNR.WPPEngineerSection@dnr.mo.gov">DNR.WPPEngineerSection@dnr.mo.gov</a> in accordance with 10 CSR 20-6.010(5)(G)3.
- 4. The plans and specifications, each signed, sealed, and dated by a professional engineer registered in the State of Missouri in accordance with 10 CSR 20-8 and 10 CSR 20-6.010.
- 5. The Design Certification form, Engineering Report, or Summary of Design, signed, sealed, and dated by a professional engineer registered in the State of Missouri, certifying the design of the system is in accordance with 10 CSR 20-6 and 10 CSR 20-8.
- 6. A statement from the continuing authority, as defined in 10 CSR 20-6.010, accepting the wastewater for treatment and indicating the permitted treatment facility has the available capacity.
- 7. A statement from the continuing authority, as defined in 10 CSR 20-6.010, accepting responsibility for the operation and maintenance of these facilities.

#### **PERMIT CONDITIONS:**

- 1. This permit authorizes the activities and scope of work detailed in the plans and specifications submitted with the request.
- 2. The construction must be in accordance with the final plans and specifications received by the Department. Revisions that affect capacity, flow, or system layout must be approved by the Department prior to construction.

#### **PERMIT CONDITIONS: (continued)**

- 3. If construction will incorporate minor changes from previously submitted plans and specifications (i.e., changes that do not affect the capacity, flow, or system layout), submit an electronic copy of the as-built plans and specifications in accordance with 10 CSR 20-8.110(11).
- 4. State and Federal Law does not permit bypassing of raw wastewater; therefore, the applicant must take steps 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 regional office per 10 CSR 20-7.015(9)(E) or through the Online Bypass/SSO Reporting service on the Missouri Gateway for Environmental Management (MoGEM) portal found at <a href="https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem">https://dnr.mo.gov/data-e-services/missouri-gateway-environmental-management-mogem</a>.

See <a href="https://dnr.mo.gov/document-search/missouri-gateway-environmental-management-mogem-frequently-asked-questions-pub2988/pub2988">https://dnr.mo.gov/document-search/missouri-gateway-environmental-management-mogem-frequently-asked-questions-pub2988/pub2988</a> for more information.

- 5. Protection of drinking water supplies must meet the requirements of 10 CSR 20-8.120(5).
  - A. 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.
  - B. Lay sewers at least 50 feet (50') in a horizontal direction from any existing or proposed public water supply well or other water supply sources or structures.
- 6. Position manholes so that the top access is at or above grade level.
- 7. In addition to the requirements for a construction permit, see 10 CSR 20-6.200 for land disturbance requirements 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. Applicants shall obtain land disturbance permits through the Department's ePermitting system, available online at <a href="https://dnr.mo.gov/data-e-services/water/electronic-permitting-ep

See <a href="https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/stormwater/construction-land-disturbance">https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/stormwater/construction-land-disturbance</a> for more information.

8. Entities applying for funding under 10 CSR 20-4, "Grants and Loans" will need to comply with those requirements in addition to the requirements of 10 CSR 20-8.

## **PERMIT CONDITIONS: (continued)**

9. The Department may require a United States (U.S.) Army Corps of Engineers (COE) permit (404) and a Water Quality Certification (401) or a permit waiver for the activities described in this permit. If construction activity will disturb any land below the ordinary high water mark of Jurisdictional Waters of the U.S., then a 404/401 is required. Fulfillment of these requirements is necessary before the permit is considered valid. Since the COE makes determinations on what is jurisdictional, you must contact the COE to determine permitting requirements. You may call the Department's Operating Permits Section at 573-522-4502 for more information.

See <a href="https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/section-401-water-quality">https://dnr.mo.gov/water/business-industry-other-entities/permits-certification-engineering-fees/section-401-water-quality</a> for more information.

- 10. If this project eliminates a wastewater treatment facility under the jurisdiction of the Department, then the applicant shall submit a full closure plan with a Facility Closure Request Form, Form MO 780-2512, to the Department's appropriate regional office for review and approval. In accordance with 10 CSR 20-6.010(12), the closure plan must meet the requirements outlined in Standard Conditions Part III of the Missouri State Operating Permit. Closure shall not commence until the Department approves the submitted closure plan.
- 11. If this project is part of a project to resolve an enforcement action or is receiving funding from the Department, submit a <u>statement of work complete</u> following the completion of construction.
- 12. Applicants may submit, prior to the expiration date of this permit, a written request that additional time is needed in accordance with 10 CSR 20-6.010(5)(H)3.

# MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM APPLICATION FOR CONSTRUCTION PERMIT – SEWER EXTENSION

FOR DEPA	RTM	ENT USE ONLY		
APP NO.	CP	NO.		
FEE RECEIVED		CHECK NO.		
DATE RECEIVED				

<u></u>							DATE RECEIVED		
		the accompanying							
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 ls	1.1 Is this a Federal/State funded project? ☐ YES ☑ N/A Funding Agency: Project #:								
1.2 H	1.2 Has the Department of Natural Resources approved the proposed project's engineering report*?  ☑ YES Date of Approval: 11/28/22 □ NO □ N/A								
1.3 ls	a copy of the ap	propriate plans* and s	pecification	ns* inc	luded with this ap	pplication?	✓ YES □ NO		
lf	the project is usi	ng standard specificat	ions, nam	e of co	mmunity:			XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
1.4 ls	a summary of de	esign* included with th	is applica	tion?	YES NO	)			
	the appropriate ee Section 7.0	fee or JetPay confirma	ation inclu	ded wit	h this application?	? 🛛 YES	□NO		
		Missouri registered p	rofession	al engir	neer's seal, signat	ture and dat	e.		
	ROJECT INFORI E OF PROJECT	MATION				ing of the second			
l .		mprovements & Force	Main						
ADDRES			CITY Perryville	`		STATE MO	ZIP CODE 63775	COUNTY	
	gal Description:	1/4, 1/	4, USS		Sec. 846 ,		, R 10 & 11 E	Perry	
				,	,	. 33 14	TOATIL		
√.	2.3 Project Components (check all that apply):  ☑ Gravity sewers ☑ Pumping stations ☑ Force mains ☐ Alternative sewer system ☐ Other (Describe below.)								
	ECT DESCRIPTION	tion and 6" force main	with new	lift stati	on and approxima	ately 3 000 l	F of 1/1" force mai	n	
rtopiac	o oxioting intotal	norrana o noroc man	WILLITEW	iiit stati	он ана аррголина	atery 5,000 i	L.I . OI 14 TOICE IIIai	11.	
	•								
	gn information pulation or numb	er of lots to be served	by this ex	tensior	: SEE ENGINEE	RING REPO	ORT		
		e contributed by this e				gpd	Design Peak Hour	ly Flow: gph	
C. Inc	lustrial Wastes:	Type:	Flo	w:	gpd		-		
D. Re	ceiving Sewer:	Size: inches	Ca	pacity:	gpm				
E. Does this project (check all that apply):									
☑ Co	nnect to an existi	ng treatment plant	Resolve	enforc	ement issue	Eliminate o	r consolidate an exis	sting treatment plant	
		of onsite systems bein							
		sociated with piping: \$			Estimated costs a	ssociated w	rith lift station(s): \$		
3.0 PF	OJECT OWNER								
NAME			Sente and a standard as world	i	ONE NUMBER WITH AR	REA CODE	EMAIL ADDRESS		
ADDRES	y of Perryville		CITY	0/3-5	47-2594	STATE	N/A ZIP CODE		
215 N.	West St.		Perryville	:		MO	63775		
CHARTE	R NUMBER (SECRETAR	Y OF STATE) or REGISTERED	AGENT						

4.0 CONTINUING AUTHORITY: A continuing for ensuring compliance with the permit requi Continuing authority should be a relatively pe when needed, of the permitted facility or active hired by the permittee to sample or operate a analytical laboratory. To access the regulator Water Commission Chapter 6. A continuing a (SoS's) webpage: Missouri Secretary of State required to register with the SoS.	rements a rmanent e rity. A cont and mainta y requiren authority's	and provide entity respor tinuing auth ain the syste nent regardi name must	continuous s nsible for the nority is not, h em for a defin ing continuing be listed exa	table oversige ongoing open nowever, an ended time perion g authority, 1 actly as it app	ght of the permitted facility or activity. The eration, maintenance and modernization, entity or individual that is contractually od, such as a certified operator or 10 CSR 20-6.010(2), please visit Clean pears on the Missouri Secretary of State's		
NAME		I	NUMBER WITH AREA CODE		EMAIL ADDRESS		
The City of Perryville  ADDRESS	OLTY /	573-547-2	594	07475	N/A		
215 N. West St.	сітү Perryville	<u>م</u>		STATE MO	ZIP CODE 63775		
CHARTER NUMBER (SECRETARY OF STATE)	TOTTYVIIIC	,		IVIO	00170		
4.1 Has appropriate continuing authority accepting A letter from the continuing authority accepting different than the original owner of the construction of the const	ig respons uction), or	sibility for co a properly	ontinued mair executed "Co				
5.0 ENGINEER ENGINEER NAME / COMPANY NAME		TELEPHONE I	NUMBER WITH AR	REA CODE	EMAIL ADDRESS		
Timothy J. Baer / Baer Engineering, LLC		573-547-2		CA CODE	tbaer@baerengineering.com		
ADDRESS 313 N. Jackson St.	CITY Perryville			STATE MO	ZIP CODE 63775		
6.0 RECEIVING WASTEWATER TREATMENT				IVIO			
NAME TELEPHONE NUMBER WITH AREA CODE EMAIL ADDRESS							
Perryville Southeast Wastewater Treatment P MISSOURI STATE OPERATING PERMIT #	lant	573-547-20 COUNTY	690		N/A REMAINING CAPACITY (GPD)		
MO-0051144		Perry			800,000		
6.1 If different from the owner, has a letter been provided from the receiving treatment facility demonstrating that they agree to accept the expanded flow or has a properly executed Continuing Authority and Receiving Wastewater Treatment Facility Acceptance MO 780-2584 form been provided?   YES NO NA  6.2 A letter from the receiving wastewater treatment facility, if different than the continuing authority, is included with this application.							
☐ YES ☐ NO ☑ N/A  6.3 If the receiving treatment plant or continui							
Certificate of Convenience and Necessity has			Yes – Date:		□ No ☑ N/A		
OPTIONAL QUESTIONS REGARDING MILI	TARY SE	RVICE					
Have you or an immediate family member even U.S. Armed Forces?		☐ Ye	es	□ No			
If yes, would you like information about military-related services in Missouri?			☐ Ye	es	□ No		
7.0 Application Fee							
			☐ JetPay Confirmation Number				
8.0 PROJECT OWNER: I certify under penalt supervision in accordance with a system desi submitted. Based on my inquiry of the person gathering the information, the information sub aware there are significant penalties for submiviolations.  PROJECT OWNER SIGNATURE	gned to as or person mitted is,	ssure qualifins who man to the best	ied personne age the syste of my knowle	el properly ga em, or those edge and beli	ather and evaluate the information persons directly responsible for ief, true, accurate and complete. I am		
w Lutin							
PRINTED NAME					DATE		
Jeff Layton TITLE OR CORPORATE POSITION TELEPHONE NUMBER WITH ARE					11/7/23		
TITLE OR CORPORATE POSITION Public Works Director		573-547-25		REA CODE	EMAIL ADDRESS jefflayton@perryvillemo.gov		
Mail completed copy to:	, , , , ,						
MISSOURI DEPARTMENT OF NATURAI WATER PROTECTION PROG PO BOX 176 JEFFERSON CITY, MO 65102	RCES	Submit completed electronic copy to:  Missouri Department of Natural Resources at DNR.WPPEngineerSection@dnr.mo.gov					

MO 780-1632 (10-22)

9.0 SE	WER EXTENSIO	N CHECKLIST		
SEWE applica	R EXTENSION D able to the design	<b>ESIGN CERTIFICATION:</b> Answer all questions yes or N/A. Answer N/A only if the question is of the proposed sewer extension.	clearly r	not
	REGULATION		YES	N/A
1.	8.110(3)(A)	Is the design flow based on actual flow data for an existing system?	V	
2.	8.110(3)(B)	Are average design flows, peak hourly flows and I&I contributions for new systems calculated?	V	anners and
3.	8.110(9)(B)	Is there a detailed plan showing tributary area, boundaries, pertinent elevations, topography, existing and proposed facilities?	<b>V</b>	
4.	8.120(2)	Does the sewer exclude water from roofs, streets, groundwater from foundation drains and combined wastewater?	V	
5.	8.120(3)(A)	Is the pipe installation, embedment and backfill designed to prevent damage to the pipe and its joints?	$\checkmark$	
6.	8.120(3) (A)1	Is all sewer pipe constructed with a slope to obtain mean velocities of not less than 2 feet per second?	$\overline{V}$	an-oroanas
7.	8.120(3)(A)2	Is the pipe covered with at least 36" of soil or sufficiently insulated to prevent freezing?	$\checkmark$	
8.	8.120(3)(B)	Is deflection testing specified to ensure no pipe exceeds a deflection of 5% of the inside diameter?	<b>V</b>	
9.	8.120(4)(A)	Are manholes located at the end of each line, at all changes in grade, size or alignment and at all intersections?		
10.	8.120(4)(C)	Are manholes at least 42 inches in diameter with a clear opening of 22 inches on sewer line larger than 8"?	V	
11.	8.120(4)(C)	Where cleanouts are used at the end of a lateral instead of a manhole, they are a minimum diameter of 8 inches or larger and equal to the diameter for pipes < 8"?	V	
12.	8.120(4)(E)	Are the manholes watertight, constructed and installed in accordance with the manufacturer's recommendations and procedures?	V	
13.	8.120(4)(F)	Do the specifications include a requirement for inspection and testing for manholes?	V	
14.	8.120(5)(A)	Is the sewer free from physical connections to a potable water supply system and no water pipes come in contact with a sewer manhole?	<b>V</b>	
15.	8.120(5)(B)	Are sewers and manholes located at least 50 feet horizontally from any existing or proposed water supply well, sources, structures?	V	
10.0 P		RS, GRINDER PUMP, STEP AND STEG SEWER CHECKLIST		
	REGULATION		YES	N/A
16.	8.125(5)(A)1.	Does the cleaning velocity of ≥ 2 ft/s happen more than once per day?		<b>V</b>
17.	8.125(5)(A)2.	Is the diameter of the pressure sewer main pipe at least 1.5"?		$\checkmark$
18.	8.125(5)(B)	Are appurtenances compatible with the piping system?		V
19.	8.125(5)(B)2.	Are isolation valves located: upstream of major pipe intersections; both sides of stream, bridge and RR crossings; at terminal end of system?		$\checkmark$
20.	8.125(5)(C)	Do service line pipes have a minimum diameter of 1.25"?		$\checkmark$
21.	8.125(5)(D)1.A	Do simplex grinder pump stations service only a single equivalent dwelling unit (EDU)? i.e. 1 residence – 1 grinder pumpt.		$\checkmark$
22.	8.125(5)(D)1.B	Are multiple unit pump stations owned, operated and maintained by an approved continuing authority?		<b>V</b>
23.	8.125(5)(D)3.	Is there at least 70 gallons of storage in the grinder pump unit?		$\checkmark$
24.	8.125(5)(D)4.	Do grinder pump stations have shutoff valves, check valves and anti-siphon valves (where siphoning could occur) that are accessible from the ground surface?		<b>V</b>
25.	8.125(5)(D)7., 8.130(3)(B)2.	Are units serviceable and replaceable under wet conditions without electrical hazard and is electrical equipment suitable for hazardous locations (National Electrical Code, Class I, Group D, Division 1 location)?		<b>V</b>
26.	8.125(5)(D)8., 8.125(2)(F)6.	Are provisions in place to avoid interruption of service due to mechanical or power failure by providing standby power, storage capacity, or interconnection with another disposal system?		<b>7</b>
27. 28.	8.125(6)(D) 8.125(6)(F)	In a STEP system is at least one septic tank (1,000 gallons or more) provided for each EDU with 20% of tank volume dedicatied to freeboard and ventillation?  Are duplex pumps provided for the design flow of 1,500 gallons or greater?		✓

11.0 PUMP STATION CHECKLIST										
	REGULATION					YES	N/A			
29.	8.125(7)(C)	Is the minimum diameter sewer main pipe and service line of STEG sewer at least 4"?				<b>V</b>	П			
30.	8.130(2)(A) 8.140(2)(B)	Is the pump station	on designed to withstar	nd the 100-year flood?		<b>V</b>				
31.	8.130(3)(A)	Is the dry well completely separate from the wet well and is a suitable and safe means of access provided to each?								
32.	8.130(3)(B)	If the design flow is 1,500 gpd or more, are there at least 2 pumps or pneumatic ejectors provided?								
33	8.130(3)(D)	Are valves located outside wet well unless integral to a pump or its housing?								
34.	8.130(3)(F) 8.140(8)(J)	Do wet and dry w	ells have separate ven	tilation systems?		<ul><li>✓</li></ul>				
35.	8.130(3)(G)	Does all potable	water brought to pump	stations comply with 8	.140(7)(D)?	<b>V</b>				
36.	8.130(6)	Is an alarm syste	m provided with uninte	rrupted power?		<b>V</b>				
37.	8.130(7)(A)		etention of the peak ho eak hourly flow for a de		ow > 100,000 gpd or 4 hrs		<b>√</b>			
38.	8.130(7)(B)	Are there indeper	ndent utility substations pump station at its rat	provided for emergen	cy power capable of starting		<b>V</b>			
39.	8.130(8)(A)		velocity of ≥ 2 ft/s main			<b>V</b>	П			
40.	8.130	Are there comple	te operation instruction	s for the pumpting stat	ions provided that include					
		necessary?		,	and spare parts that may be	$\checkmark$				
12.0 S		MP AND SUBMER	SIBLE PUMP STATIC	N CHECKLIST						
	REGULATION					YES	N/A			
41.	8.130(4)	Are the suction lif	t pumps of the self prin	ning or vacuum priming	type?		<b>√</b>			
42.	8.130(4)(A)	Is the combined total of dynamic suction lift at the "pump off" elevation and required net positive suction head at design operating conditions less than or equal to 22 feet?								
43.	8.130(4)(B)									
44.		Are submarable recording an area of the recording air from the suction lift pump?								
44. 8.130(5)(A) Are submersible pumps readily removable and replaceable without personnel entering, or disconnecting any pipe in the wet well?										
200			CERTIFICATION STA							
For any questions answered "N/A" provide an explanation. Also provide any useful general comments regarding design for review engineer.										
37. See	e Missouri Clean V	Vater Commission (	Order Granting Variand	e No. CWC-V-1-23 dat	ted 4/12/23.					
38. See	e Missouri Clean V	Vater Commission (	Order Granting Variand	e No. CWC-V-1-23 dat	ted 4/12/23.					
			,							
				OF MICON	la.					
				The second						
TIMOTHY ?										
Missouri Professional Engineer's seal, signature and date:										
NUMBER SEE										
E-29398 E-29398										
Lathy O Bar										
Name: Timothy J. Baer										
Address: 313 N. Jackson St.										
City: Perryville State: MO				ZIP Code: 63775						
Telephone Number with Area Code: 573-547-2310				Email:tbaer@baerengineering.com						
140 700 400	2.700.4622.(40.22)									