MAINTENANCE SERVICE, MONITORING AND INSPECTION CONTRACT

FOR SUBSURFACE SEWAGE TREATMENT SYSTEM OPERATING PERMIT

It is hereby agreed this 18 day of 144 2023 by and between	
It is hereby agreed this 18 day of 1013 by and between (Inspector) and 166th Buckluchient)	
(Client) Name JoSoph Bucklau	
Site Address 29090-434Th Place	
City, State, Zip 1111 , MN 56431	

That in consideration of the payments provided herein, the Inspector shall provide services to perform Preventative Maintenance, Monitoring and Inspection of the Subsurface Sewage Treatment System (SSTS) located at the property described in the Aitkin County Operating Permit.

Each inspection includes an examination of the SSTS followed by a written report to the client. This inspection report shall contain recommendations for operation and maintenance for failure-preventative measures, if any are deemed appropriate by the inspector and a list of recommended corrective measures or replacement parts. The Inspector is authorized to submit a copy of the report to the Aitkin County Environmental Services Department.

This contract does not assume any responsibilities or obligations, which are normally the responsibilities of the Client, as related to parts or labor and does not extend to cover any costs that may be associated with any recommendations made under this contract.

The Inspector can only contract or subcontract for parts or labor after authorization. Billings for service calls shall be made on a case by case basis. This contract only covers maintenance, monitoring and inspection services per current Aitkin County Covers and does not cover alarm calls of any kind.

The Inspector shall be provided access to the site and the system in order to perform the following services:

(Check the boxes needed to fill the requirements of the Operating Permit)

A STATE OF THE STA	•	
Check septic tank and compartments for solids buildup and necessary, have tanks pumped.	general appearance.	Iſ
(*Cost of pumping is the responsibility of the client).		

Check effluent filter for buildup and clean, if applicable.

SEPTIC TANK AND LIFT STATIONS INSPECTION

Check pumping system, including control panel and floats.

Record and date the readings of the elapsed time meter and event counter(s).

Operating Permit Maintenance Contract Page 2 of 3
Check dosing settings (in the control panel, if applicable).
Other:
PRETREATMENT DEVICE
Inspect pretreatment unit (aerobic tank, sand filter, etc.) per manufacturer's recommendation.
Inspect and clean any parts per manufacturer's recommendation.
Inspect and clean laterals, if applicable.
Inspect the appearance of the wastewater inside the unit for color, turbidity and examination of odors."
Sample effluent per Operating Permit monitoring requirements. (*Cost of sampling and analysis is the responsibility of the Client)
Other:
DISPERSAL FIELD
Inspect for visible signs of failure (surface discharge, soggy ground, wet spots, settling, etc.)
If liquid level monitors are installed, levels will be observed and recorded.
Flush filters and clean cartridges, if applicable.
Check field control unit solenoid operations or manual control, if applicable. Other:
In no event shall the Inspector be responsible for special or consequential damages, including but not limited to, loss of time, injury to personal property or any other consequential damages or incidental or economic loss due to equipment failure or for any other reason. This contract does not assume any responsibilities or obligations, which are normally, the responsibility of the Client or as, related to parts or labor and does not extend to cover any costs that may be associated with any recommendations made under this contract.
This contract shall be effective: Beginning
and Ending,
Cost for Maintenance Service, Monitoring and Inspection Contract is:
\$/yr. For years totaling \$

Operating Permit Maintenance Contract Page 3 of 3

The Inspector agrees to provide inspection, monitoring and routine maintenance service only under this contract. The Client remedies for breach of this contract shall be limited to refund of any of the amounts paid in advance for service. This contract may be renewed 30 days from the ending date.

(Office Use Only	y)	Wastewate	er Treatmer	nt and Dispersal
Operating Permit #			Operating Permit	
Application #			•	
Date issued:	Charles and the Agents and the Charles and the		Aitkin County I	Invironmental Services Planning & Zoning
Expiration date:			307	Second St. NW, Room 219
Renewal period:				Aitkin, MN 56431 218-927-7342
Facility Information				aitkinpz@co.aitkin.mn.us
Permittee name:	on Parkly	U		
Mailing address: 290	90.434 City:	ATTICIN	State: 1	N Zip: 51/421
Email:		Phone:		0613
Property ID number:	0-0102201			
Property address:	me As Almie	. 1		ner men en e
System type:		Treatme	ent level:	
System design flow (gpd):	5 GRD	Resider	ntial/Commercial:	
System components:	1500 Le	Mbo /5	20/ift	10x38 Rockland
Monitoring Requirement	ts	l		1.00
Parameter	Effluent limits	Frequency	Locat	tion
Design flow (gpd)	342 610			1
Average flow (gpd)	370 CM		C 6	AIGHIANO
Ponding/Surfacing in soil treatme	0 /)	V	
Monitoring Requirement	is Comment Field:			
Maintenance Requireme Maintenance requirements shall b		Management Plan a	s prepared by the sy	stem's Designer.
System component	Maintenance	1	Frequency	
Septic tank/Trash tank	PUNLPIBACO	MARIN	BURA	KS
Pump tank and controls				
Effluent screen	Clan			M BI ANNUALLY
Soil treatment and dispersal	MISUALING	rection	ANNIA	M
	v ")			1

Monitoring Protocol

Any sampling and laboratory testing procedures shall be performed in accordance with the proprietary treatment product's protocol, Standard Methods, and at a Minnesota Department of Health approved laboratory. Results shall be submitted to the permitting authority at: Aitkin County Environmental Services, 307 2nd St NW, Room 219, Aitkin, MN 56431 no later than the expiration date listed.

Contingency Plan

In the event the wastewater treatment system does not meet required performance requirements as contained in this operating permit, the owner shall notify Aitkin County Environmental Services within thirty (30) days of receiving non-compliant information. The owner is responsible to obtain the services of a Minnesota Pollution Control Agency (MPCA) licensed Service Provider or other qualified practitioner to complete the required corrective measures.

Authorization

Aitkin County Environmental Services authorizes the Permittee to operate a wastewater treatment and dispersal system at the address named above in accordance with the requirements of this operating permit, attached Management Plan and contract with the Service Provider/Inspector.

This permit is effective on the issuance date identified above. This permit and the authorization to treat and disperse wastewater shall expire on the expiration date identified above. The Permittee is not authorized to discharge after the above date of expiration. The Permittee shall submit monitoring information on forms as required by Aitkin County Environmental Services no later than thirty (30) days prior to the above date of expiration for operating permit renewal. This permit is not transferable.

The owner is required to obtain the services of a Minnesota Pollution Control Agency (MPCA) licensed and trained: 1) Service Provider or Inspector to provide ongoing system operation, maintenance, and monitoring and 2) Maintainer to pump the system's sewage tanks and components. The owner is responsible to provide the name of the Service Provider or Inspector business prior to the issuance of this operating permit. The owner has secured the services of as the Service Provider or Inspector for this system. The Service Provider or Inspector is hereby authorized to provide the required monitoring data and routine maintenance service records to both Aitkin County Environmental Services.

[For systems that generate high strength wastewater, the following items should be added to the operating permit: "If there is a change of use within the facility (i.e., change in menu, increase in food capacity, change in water use fixtures, etc.), the permittee is required to notify Aitkin County Environmental Services and the Service Provider before any changes occurs. Changes to the facility that could potentially impact performance of the wastewater treatment and dispersal system shall not take place until appropriate evaluation has been completed."]

I hereby certify with my signature as the Permittee that I understand the provisions of the wastewater treatment and dispersal system operating permit including maintenance and monitoring requirements. I agree to indemnify and hold Aitkin County harmless from all loss, damages, costs and charges that may be incurred by the use of this system. If I fail to comply with the provisions of this operation permit, I understand that penalties may be issued. If I sell this property during the life of the permit, I will inform the new owner(s) of the permit requirements and the need to renew the operating permit.

The Operating Permit is hereby granted to:			
Permittee (please print); JOSEPH RICHLUM	Permitting Authority (please print):		
Title: Date: 11/23	Title:		Date:
Permittee Signature Permitee Signature	Permitting Authority Signature: -	Aitkin County Representati	ive Signature

Instructions for Completing an Operating Permit

The following instructions provide an explanation for local units of government to complete the operating permit template. This is intended to provide guidance to local units of governments (LGU) in developing operating permits for Type IV and Type V systems, including both residential and commercial systems. The template could be modified for holding tanks or any other system. Since the Management Plan is considered part of the operating permit, it needs to be attached to the operating permit. A signed contract, between the owner and Service Provider, should be attached to the operating permit to help ensure the owner has made the necessary arrangements to have the system maintained and monitored.

LGU Name, Department and Address – fill in the name, department and address of local unit of government at the top of the operating permit.

Wastewater Treatment and Dispersal Operating Permit No. – assign an operating permit number to be able to track the system over the years.

Permittee Name, Business Name, Telephone Number, and Address – fill in the name, address and phone number of the owner. If this is a business, fill in name of the business, too.

Property Id. Number (GPS Location) – these are simply identifiers used by local units of government in the event the property address changes over time.

Name of Local Unit of Government – fill in the name of the local unit of government. This authorizes the Permittee to operate the wastewater treatment system at the address named above, according to the operating permit, attached Management Plan and contract with the Service Provider.

Issuance Date – fill in the date the operating permit is issued. The operating permit should not be issued until all required information is submitted.

Expiration Date – fill in the date when this operating permit expires. The first time an operating permit is issued to an owner, it should be issued for one (1) year. This helps ensure the owner actually does the required maintenance and monitoring during the first year. If the owner complies, the operating permit can then be issued for a longer period of time as determined by the local unit of government (typically 3 to 5 years). However, if the owner does not comply the first year, the second operating permit could, again, be issued for a period of one (1) year.

System Type - fill in as Type IV or Type V system. Holding tanks may also be issued operating permits (Type II system).

Treatment Level – specify Treatment Level A, A2, B, B2, C, TN or TP. Treatment Level A = Carbonaceous Biochemical Oxygen Demand, five day (CBOD₅) 15 milligrams per liter (mg/L), Total Suspended Solids (TSS) 15 mg/L, Fecal Coliform Bacteria 1000 per 100 milliliter (mL); Treatment Level A2 = CBOB₅ 15 mg/L, TSS 15 mg/L; Treatment Level B = CBOD₅ 25 mg/L, TSS 30 mg/L; Troatment Level B = CBOD₅ 125 mg/L, TSS 60 mg/L, Oil and Grease (O&G) 25 mg/L; Total Nitrogen (TN) = 20 mg/L or less, or Total Phosphorus (TP) = 2 mg/L or less.

System Design Flow – fill in the design flow specified on the construction permit for the system, along with the projected average daily flow for the system. Average daily flow is generally 60 to 70 percent of design flow.

Residential/Commercial – specify if the system is residential or commercial. You may specify additional information, such as classification of dwelling, number of bedrooms; or type of commercial establishment.

System Components – provide a brief description of the system components. An example would be the following: 600 gallon trash tank, 600 gallon Brand X proprietary treatment device, 1 Brand Y Ultra Violet (UV) light disinfection unit, 500-gallon pump tank, pump, floats and controls, and 250-foot shallow trenches using pressure distribution.

Monitoring Requirements (Table)

The monitoring requirements specified in an operating permit are unique to the site and soil conditions of the property (its environmental sensitivity) and system complexity. The monitoring requirements include specific parameters to be monitored, target limits and the frequency and location of monitoring. The monitored parameters, at a minimum, would include: 1) wastewater flow the most basic parameter to know in understanding system performance, 2) ponding in the soil treatment system and 3) surfacing of the soil treatment system. Monitoring for CBODs, TSS, fecal coliform bacteria and nitrogen are unique to the site, its receiving environment and complexity of the wastewater system. Field tests for temperature, bH and dissolved oxygen can be performed by the Service Provider to serve as general indicators of system performance.

- Flow flow to each system needs to be determined as specified in the Management Plan or as determined by the local
 unit of government. Flow can be determined several ways, using water meters, event counters, and running time clocks.
 Telemetry can also be used and has the advantage that flow can be determined continually.
 - The determination for the frequency of flow measurement is done on a case-by-case basis. At first, daily flow monitoring may be needed to determine average flow and peak flows to a system. After a period of time, weekly or monthly flow determination may be acceptable. Flow determinations once a year generally provide limited information.
- 2. CBOD₅ monitoring for CBOD₅ is not typically required for the majority of wastewater systems used for single-family homes generating typical domestic strength effluent. However, monitoring for CBOD₅ may be needed periodically. For example, there may be a need to audit systems as part of the product registration process in Minnesota or if the Service Provider is trying to troubleshoot a system. For commercial systems, monitoring for CBOD₅ is generally necessary to determine CBOD₅ removal efficiencies of proprietary treatment devices and/or organic loading rates to the soil's infiltrative surface.

- 3. TSS monitoring for TSS is not typically required for most residential wastewater systems that generate typical domestic strength effluent. However, turbidity measurements may be taken in the field by Service Providers. Monitoring for TSS may be needed periodically as part of an audit process for the registration of proprietary treatment products in Minnesota. For commercial systems, monitoring for TSS may be necessary.
- O&G monitoring for Oil and Grease (O&G) is not typically required for most residential wastewater systems; however, it is an important parameter to monitor for facilities that have food preparation and service and for residences that generate high strength wastewater.
- Fecal Coliform Bacteria monitoring for fecal coliform bacteria should generally be required for systems listed as Treatment Level A and Treatment Level B systems where reduced vertical soil separation is used.
- Total Nitrogen and Total Phosphorus monitoring for Total Nitrogen (TN) may be needed in areas identified as nitrogen sensitive environments. Monitoring for Total Phosphorus (TP) may be required in phosphorus sensitive lake environments.
- Operational Field Tests these are tests performed by the Service Provider to help 'monitor' system performance and identify problems (troubleshooting a system). Although field tests are not a strict monitoring requirement, they are appropriate to list in the operating permit if specified in the Management Plan or in the product's Operation and Maintenance Manual. The local unit of government will determine if the permittee is required to report field test results as part of the operating permit.
- Ponding/Surfacing in Soil Treatment all systems should be monitored periodically as specified in the Management Plan to determine extent and frequency of ponding in soil treatment systems. A check for surfacing is needed.

Maintenance Requirements (Table)

This table lists some of the basic maintenance requirements for each major component of the wastewater system. Since you can't possibly list all the maintenance requirements in this table, it is best to reference the Management Plan. You could also reference the proprietary products Operation and Maintenance Manual.

- System Component list each system component, including the external grease interceptor, septic tank, trash tank, surge tank, effluent screen, pump tank and controls, proprietary treatment product, disinfection device, and soil treatment and dispersal system.
- Maintenance briefly identify the maintenance requirements of each major system component. For additional information, you could also reference the proprietary product documents listed on the MPCA website at http://www.pca.state.mn.us/programs/ists/productregistration.html.
- Frequency briefly identify the frequency of maintenance as per the systems Management Plan and Operation and Maintenance Manual.

Monitoring Protocol - this section of the operating permit states that testing needs to be performed in accordance with approved methods and the results submitted to the: 1) local unit of government and 2) manufacturer within a specified time frame. Fill in the name and address of both entities in the spaces provided.

Contingency Plan - this briefly describes requirements if the system does not function as intended. The owner must notify the local unit of government within thirty (30) days of receiving non-compliant information. The Management Plan may identify some of the corrective actions required or the permittee will need to consult their Service Provider. The owner is responsible to obtain the services of a MPCA-licensed Service Provider or other qualified practitioner to complete the required corrective measures. More detail could be added here by the local unit of government.

Authorization - fill in the length of time of the operating permit; this is typically one to five years. Fill in the name of the local unit of government in the second blank space. Note that this permit is not transferable.

Next, fill in the name of treatment product's manufacture; the manufacturer is required to train practitioners in servicing the registered treatment device(s). Fill in the name of the Service Provider in the next space; the owner is required to identify who the MPCA licensed Service Provider will be (in a contract). This is needed to ensure the owner has made the necessary arrangements to have the system maintained and monitored.

The Service Provider is authorized to provide monitoring data and routine maintenance service records directly to the local unit of government and to the manufacturer of the treatment product. For systems generating high strength wastewater, the following should be added to the operating permit: "If there is a change of use within the facility (i.e., change in menu, increase in food capacity, change in water use fixtures, etc.), the permittee is required to notify the local unit of government and the Service Provider before the change(s) occurs." Changes to the facility that could potentially impact performance of the wastewater treatment and dispersal system shall not take place until appropriate evaluation has been completed.

In the final paragraph, fill in the name of the local unit of government. It contains a general indemnification statement. The permittee is reminded that this permit is not transferable and that a new operating permit would be needed by a new property owner.

The Operating Permits Hereby Granted to - print the name of the owner who signed the operating permit.

Signature of Permittee (and date of signature) - the owner signs and dates the operating permit.

By Order of – signature of the permitting authority, title, and date.