# ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY NOTICE OF INTENT

## INDIVIDUAL TREATMENT FACILITIES NPDES GENERAL PERMIT ARG550000

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erator Type:
Partnership
Comoration*
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ary of State.
Zip:
org, AR 71846 O5 Min 20Sec escription:
Gallons per Day)
21Sec
escription:
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WATER DIVISION
5301 NORTHSHORE DRIVE / NORTH LITTLE ROCK, ARKANSAS 72118
PHONE 501-682-0623 / FAX 501-682-0880
www.adeq.state.ar.us

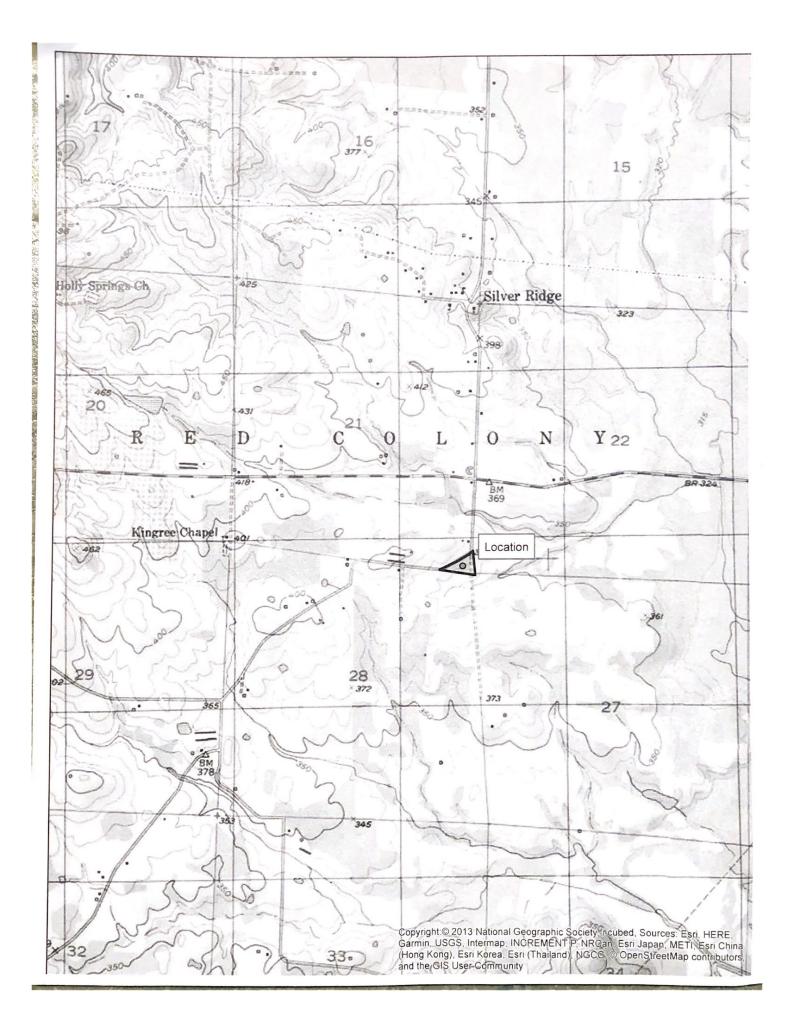
	OTHER INFORMATION:								
	Operator Name:	Donal	ld Crittenden				v.		
	Operator License Number:	00493	30		I	icense	Class: IV		
	Consultant Contact Name:	Dona	ld Crittenden						
	Consultant Email Address:								
	Consultant Address:			: Texarkana			X	Zip:	<u>75501</u>
	Consultant Phone Number:				tant Fax N	umber:			-
Has th	his treatment system been app	roved l	by AHD? Yes	X No 🗌					
	osure Statements: usas Code Annotated Section 8-								
be obt	ut one. You must submit a new tained from ADEQ web site at: h	nttp://w	ww.adeq.state.ai	us/disclosure	e_stmt.pdf		Tare Depar	amont. 11	
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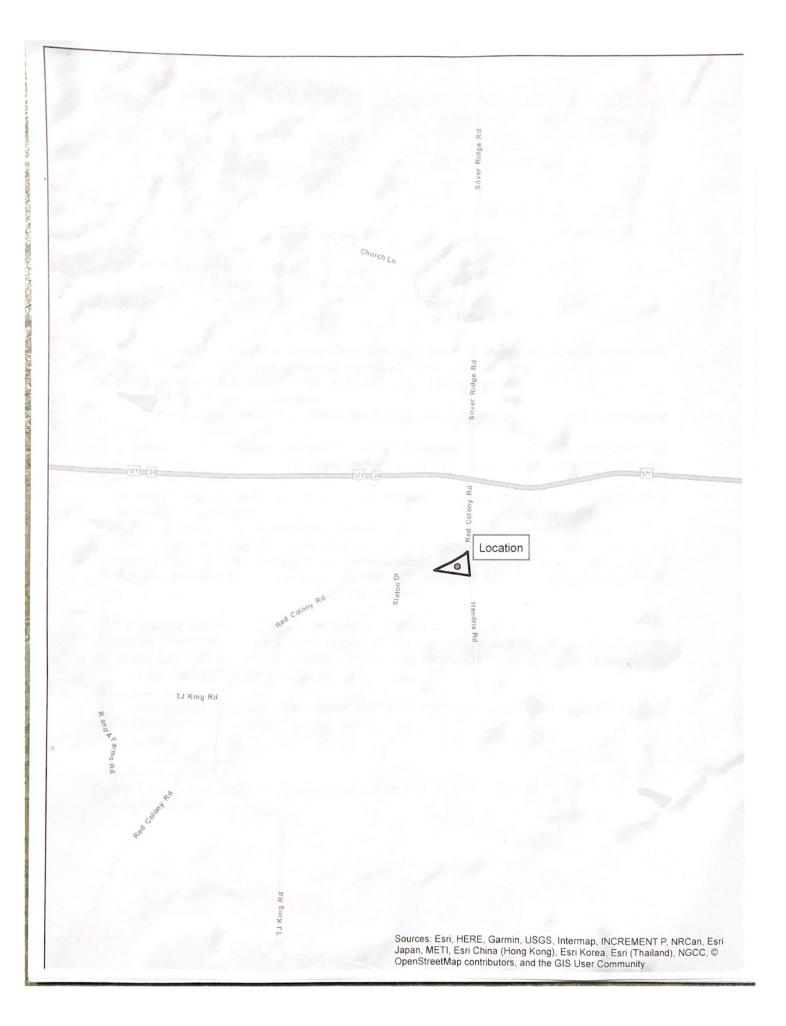
WATER DIVISION 5301 NORTHSHORE DRIVE / NORTH LITTLE ROCK, ARKANSAS 72118 PHONE 501-682-0623 / FAX 501-682-0880

www.adeq.state.ar.us

Submittal of Disclosure Statement?

> WATER DIVISION 5301 NORTHSHORE DRIVE / NORTH LITTLE ROCK, ARKANSAS 72118 PHONE 501-682-0623 / FAX 501-682-0880







# Arkansas Department of Health

4815 West Markham Street • Little Rock, Arkansas 72205-3867 • Telephone (501) 661-2000 Governor Asa Hutchinson José R. Romero, MD, Secretary of Health

January 27, 2021

Gwen Waiker or Sherri Conrad 612 South School Avenue Murfreesboro, AR 71958 Permit# 23953195

The plans and specifications for the above captioned project have been received and reviewed. Please be advised that as the owner you are responsible for the following:

- 1. All costs relating to the operation and maintenance of the system.
- 2. Meeting all effluent requirements.
- 3. Financial responsibility for effluent monitoring and sampling by a Certified Maintenance Person.
- 4. Filing for the National Pollutant Discharge Elimination System (NPDES) General Permit (ARG550000) permit with the Arkansas Department of Environmental Quality before any construction begins.
- 5. Any changes from the specified design will require a new maintenance contract and a resubmission of the permit.
- 6. This approval is for an on-site retention scheme for all effluent generated from the specified residence on the permit on 4 acres on 106 Hendrix Road near Lockesburg, Arkansas in Sevier County. Any off-site discharge or further subdivision of the property may void this approval. Additional measures to ensure on-site retention of all sewage effluent generated may be required at a later date should the discharge leave the property.

This system must be installed to meet the specifications for the design attached to the construction permit, and installation should not begin until the installer has reviewed these specifications. Health Department approval of this project does not release the owner of any liability resulting from the discharge of sewage effluent.

If you have any questions, please contact the local environmental health specialist at your local health department.

Sincerely

Robbie Crocker SWR Senior Environmental Onsite Program Specialist 870 403 1329 (cell)



# Arkansas Department of Health Environmental Health Protection

Receipt Number	00
730 531	95
237 001	10

Individual Onsite \	Nastewat	ter	System	Permit	Applic	ation		1901	No.	Fee Schedule fo	or Struct	ures		√ 
Permit Type	e od A	X	New In	stallation	1			Structures 1500 sq ft or less \$30.00 Structures more than 1500 sq ft and up to 2000 sq ft \$45.00				\$ 30.00		
		_	Alterat	ion / Rep	nair									
	L	_	Alterati	on rep	Juli					than 2000 sq ft and			\$ 90.00	-
OR Environmental ID	#									\$120.00				
7 6 0 1	0 2	6	8 1	7						\$150.00 \$30.00				
							Altera	tion a	and Re	pali		- 10 000	\$ 50.00	
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☐ PMF = Proprietary Me☐ OTH = Other (Describ			RGF = Re- HLD = Hol			Filter	☐ CPF = C		ng Fill			= Serial Distrib		
Owner's/Applicant			TIED - TIO	ding rain	`			tiloi		2. Phone Numb		2117 1113	No.	1
Gwen Walker or Sher	rri Conrad	hini	neil hen	of yeld	Telbria.	2011/20	Linguomia	Stoy.	tie.	870-455-5122		50	A yrabne	000
<ol> <li>Mailing Address</li> <li>South School Ave</li> </ol>	o Murfrood	shor	ro AD 71	050						4. County Sevier				
5. Address of Propos					not avail	lable att	ach dotaile	d dir	ection		rom s	NJ III	7.7	NG IN
106 Hendrix Rd, Lock								u un	ection	softher C				
6. Subdivision Name					7. A	oproval [	Date	100		te Recorded		9. Lot Numl	per	rinon
N/A					N/A				N/A			N/A		
10. Lot Dimensions approx 450'x750'x875	5'				11. 7	Total Are	ea (Acres)	1		Bedrooms # Ped	ple	13. Daily FI 150	ow (GPD)	(Filer
14. Brief Legal Descri		one	rty (Attac	h a cons		ot of na	nor if noce					100		
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Secondary Area	N/A	_	e. Length	n of Field	Lines	N/A		Į .		Name of the Party	-	1-100		
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### Individual Onsite Wastewater System Permit Application

Receipt Number

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a. Bedrock	b. BS	WT	c. MSWT	d. LSWT	e. Adj. MSWT	f. Adj. LSWT	g. H.C./Depth	h. Loading Rate (gpd/ft²)
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23. Soil Crite	ria (Sec	ondary	Area)	Indicate the c	lepth to items a-f, if	bserved in the soi	I (designate inches)	
a. Bedrock	b. BS	WT	c. MSWT	d. LSWT	e. Adj. MSWT	f. Adj. LSWT	g. H.C./Depth	h. Loading Rate (gpd/ft²)
48	12	20		32	17	24	M	.16
24. Seasona	al Water	Table (	SWT) Classes	Detail	Be a march. DI			
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Part 2 Installation Inspection		The state of the s
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Septic tank material	Trench media and width	Marco , detail protess 51
Dose tank manufacturer	Depth of interceptor drain	
Dose tank material	Depth of settled fill	If Auth publicant
Name of Installer	A34 0 00 0 20 9 20 6	License Number
		AND THE STATEMENT
Installation Inspected by   Environmental Health Specialist (check one or installer signs System Installation Verification below)	Designated Representative	ACK PARAGORATO
Signature	EHS / License Number	Date
System Installation Verification I have installed this system as designed and in compliance with all Rule	A STATE BOY IS NOT THE OWNER OF THE OWNER.	the second second second second second
Installer Signature	License Number	Date

Part 3 Permit for Operation	I'm reno oreset so year tell years agen but		
The information contained in Part 1 and Health. THE PERMIT FOR OPERATION	2 of this form has been reviewed and foun N of this system is hereby issued.	d to meet the requirements of the	Arkansas Department of
Environmental Health Specialist	were to all a new reliable below of given	THE STATE OF LINE OF THE STATE OF	
	Signature	EHS Number	Date
Comments		The state of	
Site Revalidation conducted by (check one)	□ Environmental Health Specialist	□ Designated Repr	resentative
Signature		EHS / License Number	Date

## \* Optional System Utilization Verification Form



# Arkansas Department of Health Environmental Health Protection

Receipt Number		

	tewater System Pern	nit Application	Fee Schedule for Structures	1
Permit Type	pe		Structures 1500 sq ft or less \$ 30,00	
r ciliii 1990			Structures more than 1500 sq ft and up to 2000 sq ft \$45.00	
	LI Alteration / P	Керап	Structures more than 2000 sq ft and up to 3000 sq ft \$ 90.00	
DR Environmental ID#			Structures more than 3000 sq ft and up to 4000 sq ft \$120.00	
			Structures more than 4000 sq ft \$150.00	
☐ Homeowner	55.245 n. r.c.		Alteration and Repair \$ 30,00	
- Homeowiei				
☐ Builder/Develo	per			
TO THE PROPER	RTY OWNER			
TO THE PROPER	CIT OWNER			
Onsite Wastewate	er System Utiliza	tion Verificati	ion	
Property location:				
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	(Addre	ess of Proposed	System, City, State, Zip)	
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EHP-19, OPT-A (R 8/13)

#### 2020R002030

CORPORATION WD
RECORDED AND CERTIFIED ON
07/23/2020 09:00 AM
Pages: 3
KATHY SMITH - CIRCUIT CLERK
SEVIER COUNTY, ARKANSAS

Prepared under the supervision and direction of: Steel and Gunter, Attorneys at Law 219 North Main St. Nashville, AR 71852 File Number: 20-246

### **CORPORATE WARRANTY DEED**

STATE OF ARKANSAS COUNTY OF SEVIER

KNOW ALL MEN BY THESE PRESENTS:

THAT F & K Properties, LLC, a corporation organized under the laws of Arkansas, GRANTOR, by its below designated officer, duly authorized by proper resolution of its Board of Directors, for the consideration of Ten Dollars (\$10.00) and other good and valuable consideration, cash in hand paid by Gwen Walker and Sherri Conrad, GRANTEES, the receipt of which is hereby acknowledged, does grant, bargain, sell and convey unto the said GRANTEES and unto their heirs and assigns forever, the following lands located in Sevier County, Arkansas, to wit:

All of the SE¼ SE¼ of Section 21, Township 9 South, Range 29 West, Sevier County, Arkansas, Lying South of County Road NO. 25, Containing Approximately 4 Acres, More Or Less.

Subject to any valid right of ways and/or easements. Subject to all reservation or conveyances, if any, in oil, gas and other minerals of every kind and character, particularly, any and all reservations and/or conveyances.

TO HAVE AND TO HOLD the same unto the said GRANTEES, and unto their heirs and assigns forever, with all appurtenances thereunto belonging.

And Grantor herein, hereby covenants with the said GRANTEES that it will forever warrant and defend the title to the said lands against all claims whatsoever.



### Site Evaluation Form

Applicant: U		Permit Application		
Evaluator:		Date:		
PIT # OR LO	CATION:	(SEC)		
DEPTH		Color		
(INCHES)	MATRIX	MOTTLE	TEXTURE	STRUCTURE
			ILXIORE	BIRCOTORD
0-8	5424/6	Ch30124		ļ
848	7.5425/6	Ch2@11		
		750% Ch2@28"		
	Par 98"			
				sales et Ma
	URATION: TO BEDROCK:	28 ADJUST	ED LSWT:	23 .23
DEPTH 1	TO BEDROCK:	(Pein)	ED LSW1:	73
DEPTH 7	CATION: 7		TEXTURE	
DEPTH 1 PIT # OR LOG DEPTH	CATION: 7	(Prin) Color		STRUCTURE
DEPTH TO DEPTH (INCHES)	CATION: 7  MATRIX 542414	Color MOTTLE		
DEPTH 1 PIT # OR LOG DEPTH (INCHES)	CATION: 7	Chain)  Color  MOTTLE  Ch3@12		
DEPTH TO DEPTH (INCHES)	CATION: 7  MATRIX 542414	Color MOTTLE  Ch3 ©12  Ch2 © 10		
DEPTH TO DEPTH (INCHES)	CATION: 7  MATRIX 542414	Chain)  Color  MOTTLE  Ch3@12		
DEPTH TO DEPTH (INCHES)	CATION: 7  MATRIX 542414	Color MOTTLE  Ch3 ©12  Ch2 © 10		
PIT # OR LOO DEPTH (INCHES)	CATION: 7  MATRIX 542414	Color MOTTLE  Ch3 ©12  Ch2 © 10		



### **Arkansas Department of Health**

4815 West Markham, Slot 46 Little Rock, Arkansas 72205-3867

#### MEMORANDUM OF AGREEMENT

#### SUBJECT: ONSITE WASTEWATER SYSTEM APPLICATION

This is an agreement that the onsite wastewater system installed on this property has been permitted under authority of Act 402 of 1977 and by the Arkansas Department of Health with the understanding that the following provisions are met:

- Onsite Wastewater Systems requiring a Monitoring Contract with a Certified Monitoring Personnel are Holding Tanks, Experimental Systems (i.e. Reduced Absorption Areas, \*ABGs), and Drip Dispersal Systems. \*Aerobic Biological Generators – Commercial applications only, residential applications must follow manufacturers' service contract requirements.
- The property owner assumes all responsibility for the proper operation of the onsite wastewater system.
- The property owner must maintain a monitoring contract with a licensed Certified Monitoring Personnel for the life of the system and retain Onsite Wastewater System Assessments (EHP-71), on file, for at least five (5) years.
- The Arkansas Department of Health has no responsibility in the operation and maintenance of such systems.
- That the Arkansas Department of Health may monitor the system as to its operation capabilities.
- That the Arkansas Department of Health is granted permission to make such inspections as deemed necessary.
- Subsurface systems with flows ≥3000 gpd and all surface discharging systems require the owner to file an additional permit application with the Arkansas Department of Environmental Quality (ADEQ).
- That, on the sale of the property, the owner of the property must disclose
  to the perspective buyer notice of this agreement and any permit
  requirements. The buyer is to sign memoranda, contracts or permit name
  change forms and submit these documents to the appropriate regulatory
  agency.

agency.		
SIGNED: Shem Compade (Property Owner)	_SIGNED:	(Health Department)
DATE: 12 - 28 - 20	_DATE:	1-27-2021

EHP-35 (R 1/13)

#### Fischer Construction PO BOX 558 212 Redwater Blvd E Redwater, TX 75573 903-280-4974

#### <u>Charlesfischer1@aol.com</u> Maintenance Contract

	Owner: Sherri Conrad or Gwen Walker Cherri Conrad or Gwen Walker	Date: Jan 6, 2020								
	s: 106 Hendrix Rd	Installed by: Charles Fischer								
	ate and Zip: Locksburg, AR	Contract Start Date:								
	number:	Contract End Date:								
Contact	number.	proprieta de la companya de la compa								
1.	An Inspection/Service Call every 6 months which servicing of the mechanical and electrical components	includes inspection, adjustment and nent parts as necessary to ensure proper								
II.	function.  An effluent quality inspection consisting of a visual and an examination for odors.	g of a visual check for color, turbidity, scum overflow								
III.	If required, a sample shall be pulled from the aera there is an excess of solids in the treatment plant	ample shall be pulled from the aeration tank every 6 months to determine if ess of solids in the treatment plant. If the test results determine a need for								
IV.	solids removal. The owner will bear all cost and responsibility for doing so.  If any improper operation is observed which cannot be corrected at the time, the user shall be notified immediately of the condition and the estimated date of correction along with any additional cost.									
V.	If required, a chlorine residual test will be taken e commercial only.) If a grab test is required, the or grab test.									
disinfection replacem written or tablets or	er is responsible for keeping chlorine (calcium Hypocon) in the chlorinator as well as the cost of the chlorinent components, laboratory test work, and pumping verbal authority from the owner and at an additional liquid bleach upon each inspection at the owner's election cost varies).	ne. Additional service, as ordered including of the unit or pre-tank will be done upon charge. (I can supply & install chlorine								
the maint the owner hours of t service o	Fischer, who has been certified by the state, will be reenance contract, as well as responding to any comport of the system. Concerns and/or complaints will addition to the initial contact. All calls for unscheduled client call charge for Monday thru Friday, \$125.00 for we service. All equipment, parts, labor and supplies for	laints and/or addressing any concerns by dresses and we will visit the site within 48 request will be subject to a \$95.00 sekend and holidays. Payment is due at								
Upon exp needs.	iration of this service policy, Charles Fischer will offe	er a continuing service policy to meet your								
тніз і	POLICY DOES NOT INCLUDE PUMPING SLUDGE	FROM THE UNIT WHEN NECESSARY								
Accepted	byDate									
Accepted	Charles Fischer Date	2.346								



## **OWNERS MANUAL**

### 4" SUBMERSIBLE PUMP

Series P20 – Two Wire, ½ HP, 115 Volt, 60Hz Series P30 – Two Wire, 1 HP, 230 Volt, 60Hz

Installation \* Operation

#### LIMITED WARRANTY

Clearstream warrants to the original consumer of the products listed below, that they will be free from defects in material and workmanship for the Warranty Period from the date of installation as noted.

Product

Warranty Period

4" Submersible Pump

2 Year

Our warranty will not apply to any product that has been subject to negligence, misapplication, improper installation or maintenance

Buyers only remedy and Clearstreams only duty is to repair or replace defective products (at Clearstream's choice). Buyer agrees to pay all labor and shipping associated with this warranty and to request warranty service through the installing dealer as soon as a problem is discovered. If warranty service is requested after the Warranty Period has ended, it will not be honored.

CLEARSTREAM SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, OR CONTINGENT DAMAGES WHATSOEVER.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES. IMPIED WARRANTIES, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL NOT EXTEND BEYOND THE WARRANTY PERIOD PROVIDED HERIN.

Certain states do not permit the exclusion of incidental or consequential damages or the placing of limitations on the duration of an implied warranty, therefore, the limitations or exclusions herein may not apply. This warranty sets forth specific legal rights and obligations, however, additional rights may exist, which may vary from state to state.

Supersedes all previous publications.

Clearstream, P.O. Box 7568, Beaumont, TX 77726

CLEARSTREAM
P.O. Box 7568, Beaumont, TX 77726

PRINTED IN U.S.A.

CL370 (Rev. 10/1/10)

Start pump. Slowly open valve until the desired flow rate is reached. Final setting must be within pump's recommended operating range.

#### **OPERATION**

- The pump must be submerged at all times during normal operation.
   Do not run pump dry.
- Make sure that the float switches are set so that the pump stops before the pump runs dry or breaks suction. If necessary, adjust float switches to achieve this.
- The motor bearings are lubricated internally. No maintenance is required or possible on the pump or the motor.

#### Table 1: Recommended Fusing Data 60 Hz/1 Phase 2-Wire Cable

НР	Volts/Hz/ Phase	Motor Winding Resistance Ohms	Max Load Amps	Locked Rotor Amps	Fuse Size Standard Dual Element
1/2	115/60/1	1.0-1.3	7.8	21	20/15
1	230/60/1	2.2-2.7	9.8	48.7	25/12

#### Table 2: Power Supply Wire (Cable) Length in Feet 1 Phase, 2 Wire Cable, 60 Hz (Copper Wire Size – Service to motor)

Volts	НР	14 AWG	12 AWG	10 AWG	8 AWG	6 AWG	4 AWG	3 AWG	2 AWG	1 AWG	0 AWG
115	1/2	100	160	250	390	620	960	1190	1460	1780	2160
230	1	250	400	630	940	1540	2380	2960	3610	4410	5360

- Maximum wire lengths shown maintain motor voltage at 95% of service entrance voltage, running at maximum nameplate amperes. If service entrance voltage will be at least motor nameplate voltage under normal load conditions, 50% additional length is permissable for all sizes.
- Sizes given are for copper wire. For aluminum wire go two sizes larger (i.e., if #12 copper wire, use #10 aluminum wire.

**Motor Insulation Resistance Readings** 

Normal Ohm/Megohm readings for all motors, between all leads and ground. Set ohmmeter to 100K scale.

Condition of Motor and Leads	Ohm Value	Megohm Value	
New Motor, without power cable	20,000,000	20.0	
Used motor, which can be reinstalled in tank	10,000,000	10.0	
Motor in Tank – Readings are Pow	ver Cable plus Motor	2 3	
New Motor	2,000,000 (or more)	2.0	
Motor in reasonably good condition	500,000 to 2,000,000	0.5-2.0	
Motor which may be damaged or have damaged power cable  Do not pull motor for these reasons	20,000 to 500,000	0.02-0.5	
Motor definitely damaged or with damaged power cable  Pull motor and repair	10,000 to 20,000	0.01-0.02	
Failed motor or power cable-Pull motor and repair	Less than 10,000	0-0.1	

#### Important Electrical Grounding Information

MARNING HAZARDOUS VOLTAGE

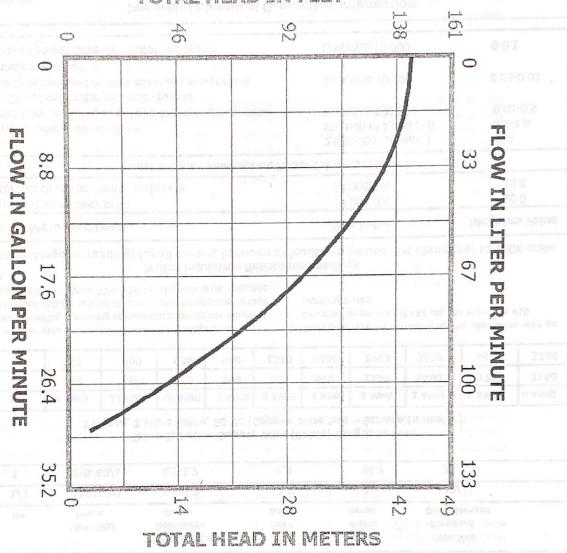
Hazardous voltage. Can shock, burn, or kill. To reduce the risk of electrical

shock during pump operation, ground and bond the pump and motor as follows:

- A. To reduce risk of electrical shock from metal parts of the assembly other than the pump, bond tegether all metal parts accessible at the tank top (including metal discharge pipe, metal tank top, and the like). Use a metal bonding conductor at least as large as the power cable conductors running down the wall to the pump's motor.
- B. Clamp or weld (or both if necessary) this bonding conductor to the grounding conductor to the equipment-grounding terminal, the grounding conductor on the pump housing, or an equipment grounding lead. The equipment-grounding lead, when provided will be the conductor having green insulation; it may also have one or more yellow stripes.
- C. Ground the pump, motor and any motallic conduit that earries power cable conductors. Ground these back to the service by connecting a copper conductor from the pump, motor, and conduit to the grounding screw provided within the supply-connection box wiring compartment. This conductor must be at least as large as the circuit conductors supplying the pump.

#### SAVE THESE INSTRUCTIONS

TOTAL HEAD IN FEET



# CLEARSTREAM INSTALLATION INSTRUCTIONS

Before installation of the Clearstream Treatment Tank, first install a pretreatment tank (septic tank) with a volume of not less than 50% of the gallon per day rating of the Clearstream Unit. Pretreatment tanks shall comply with minimum sizing specifications outlined in the Clearstream specifications section.

## CLEARSTREAM TANK INSTALLATION

- 1. Prepare an excavation having minimum dimensions of at least one (1) foot larger than the dimensions of the tank. Make sure the depth of the excavation is deep enough to allow gravity flow to the inlet of the system and that the excavation bottom is level. Never install the Clearstream tank deeper than a depth that will require more than a maximum of 18 inches of riser depth. The access cover shall always be above final grade after tank installation. In applications where more than the maximum 18 inches of riser is required, install a lift pump upstream of the Clearstream tank in order to pump the pretreatment tank effluent to the Clearstream tank at normal grade. In these special applications where a lift pump is required, contact Clearstream for more details as to pump size, maximum dosages and maximum flow rates.
- Set the Clearstream tank in a prepared excavation that has a solid, level bottom that will eliminate tank settling. The excavation bottom should have no rocks or sharp objects present.
- 3. When lowering the concrete tank into the prepared excavation use a spreader bar. Only spreader bars and other lifting devices, that have been designed and tested for lifting Clearstream conrete tanks, should be used. Never lift concrete Clearstream tanks unless they are empty of all liquids.
- Make sure the inlet 4" Sch. 40 PVC pipe is aligned properly to incoming sewage line.
- 5. For the Clearstream Unit to function properly, the tank must be level. To properly level the tank, lay a three (3) foot level across the tank in several directions. Shift the tank in the hole, as necessary, to make the tank level in all directions. The tank may be slightly out of level, but it should not be out of level enough to cause tank malfunctions.
- 6. Fill the tank with water, checking periodically to make sure the tank remains level.
- 7. Connect the 4" Sch. 40 PVC Clearstream inlet pipe to the incoming sewage line. Make sure the incoming sewage pipe is level with or higher than the inlet pipe to the Clearstream Unit. The Clearstream Unit should only be connected to a plumbing system from a wastewater source which has been properly trapped and vented in compliance with State and Local plumbing codes.
- 8. Back fill the excavation in layers with back fill material that will settle properly around the tank. Tamp the back fill material as each layer is placed around the tank. If necessary, use water to help settle the soil around the tank. Special care should be taken to either tamp soil under where inlet and outlet pipes are bridging the excavation or use some other method of supporting pipes across the excavation. Do not back fill with heavy clay or large rocks.

- 9. Before completing the back fill, be sure the electrical conduit from the tank to the Control Panel has been laid underground.
- 10. For below normal grade installations a Clearstream 20 inch diameter riser may be used. In no case shall more than 18 inches of additional riser depth be used on a Clearstream Unit to bring the access covers above final grade. All risers must be sealed with silicone to prevent ground water intrusion before back fill is completed.
- 11. Before leaving excavation site, be sure to securely fasten the Clearstream access covers in place with the tamper resistant bolt(s). Tighten bolts firmly to keep unauthorized personnel from gaining access to the inside of tank.

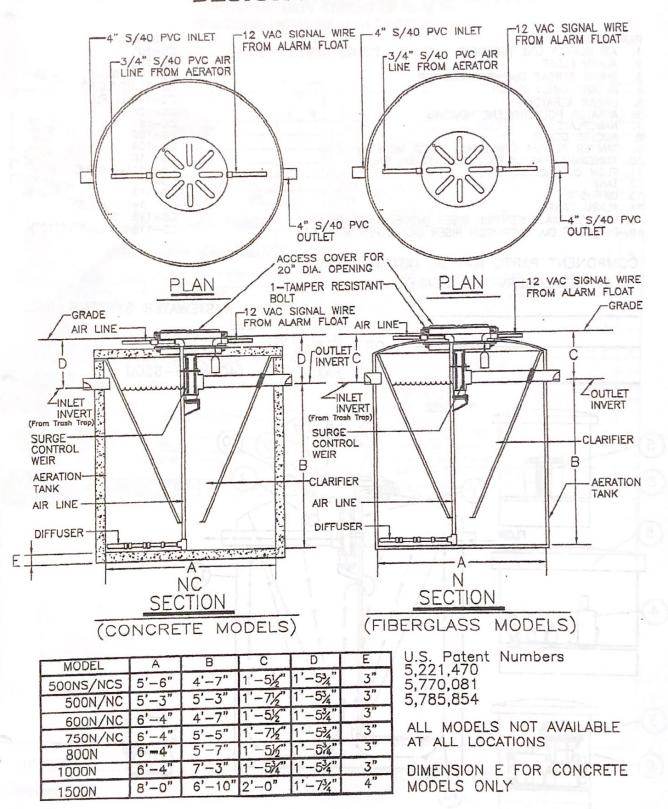
#### CLEARSTREAM AERATOR AND CONTROL PANEL INSTALLATION

- Mount one of the Clearstream Control Panel Model series CS-114 in a location that can be easily noticed by the occupants.
- 2. Wire 115 Volt, 60Hz power from an electrical disconnect to Clearstream Control Panel. Wire from Control Panel to Clearstream Tank electrical junction box through conduit. Use wiring diagram provided for each version of the Clearstream Control Panel Model series. All electrical wiring should be installed by a qualified person in compliance with applicable section of the National Electrical Code or other more stringent local codes.
- 3. Install Aerator Model CS-103 as close as practical to the tank, but in no case greater than one hundred (100) feet away (50' on 1500 G.P.D. unit). Run 3/4" Sch. 40 PVC air line from aerator connector to air line connection at Clearstream tank. Be careful to back fill underground air line in manner which will not cause air line to leak. Aerator must be installed in a location that is dry, non-dusty, and highly ventilated.
- 4. Turn power on at electrical disconnect and check for proper system operation.

#### COMPLIANCE WITH LAWS

The Clearstream Unit must never be installed without first obtaining all permits and approval from the local regulatory body. In areas that do not have local control over environmental activities, all applicable State and Federal environmental codes must be adhered to as well. Only properly licensed and trained individuals should install Clearstream equipment.

### DESIGN DRAWINGS



## PARTS LIST AND FLOW DIAGRAM

PART NUMBER PART NAME CS-101 CS-102 1. AIR SUPPLY LINE ASSEMBLY ALARM FLOAT CS-103(FD) CS-103(E,F,G,H) SHORT STROKE DIAPHRAM AERATOR 4. ROTARY VANE AERATOR CS-103(EL, FLL) 5. LINEAR AERATOR CS-106 AERATOR POLYETHYLENE HOUSING NAMEPLATE CS-107 CS-108 ACCESS COVER TAMPER RESISTANT BOLT(ALL OTHER MODELS) CS-109 CS-110 10. TINNERMAN FASTENERS (MODEL 1500N ONLY) CS-111(A,B,C,D,E) 11. FLOW CONTROL WEIR CS-112 12. TANK CS-113 13. DIFFUSER CS-114(A,B,C,D,E) 14. ALARM PANEL
15. FRP 32" DIA. EXTENSION RISER (MODEL 1500 ONLY)
16. POLY 20" DIA. EXTENSION RISER (ALL OTHER MODELS) CS-115 (6") CS-116A(2"),B(6"),C(12") COMPONENT PARTS MAY BE OBTAINED FROM: YOUR LOCAL SERVICING DEALER: CLEARSTREAM WASTEWATER SYSTEMS, INC. P.O. BOX 7568 BEAUMONT, TEXAS 77726 OR (409)755 - 1500OFFICE: (409)755 - 6500FAX: 2 FLOW 4

# ARKANSAS DEPARTMENT OF HEALTH ENVIRONMENTAL HEALTH PROTECTION

### INDIVIDUAL ONSITE SYSTEM PERMIT APPLICATION AUDIT

	Applicant's Name			-	Permit#		
	DI AT DRAMING	\ \ \	N.		FUD 40	T	Τ.
-	PLAT DRAWING  1 Scale 1:20 or 1:30 indicated and used	Υ	N	40	EHP-19 Application sumitted in triplicate	Y	N
-	2 North indicated	-	-		Items 1-15 filled in adequately and accurately	+-	+
	3 Benchmark indicated	-	-			+	+
	4 Slope Indicated	-	_		Vicinity Map provided	+-	+-
	Property lines defined and dimensions shown		_	22	Directions provided	-	-
-	Distance to two opposing property lines shown				Items 17-19 filled in adequately (if applicable)	+-	-
-	Structures and their dimensions shown				Item 20 filled in accurately	+	-
-		,			Items 21 and 23 signed and dated	+	-
8	Setbacks indicated (utilities, geographic features, etc.)				P-6 attached and completed	+	-
1	Driveway and parking area dimensions shown (if				PUMP SYSTEMS	Y	N
	applicable)				All pump calculations provided		
	Ground elevation shots indicated				Pump selected has a pump curve attached		
111	Flow-line elevation shots calculated and shown				Alarm selected has a spec sheet attached		
1	Location, elevation, and distance of well shown			29	Distribution device (spider valve, hydrosplitter,		
12	(100 ft)				etc.) spec sheet attached		
	Location, elevation, and distance of surrounding						
13	property's wells shown (100 ft)				OMP SYSTEMS	Y	N
	Primary absorption area located and sized			30	OPM contract signed by a certified provider		
14	accurately			31	Aerobic unit spec sheet attached		
	Alternate absorption area located and sized				Disinfection type indicated		
15	accurately			33	Disinfection type spec sheet provided		
	Location of soil pits/perc holes shown for primary						
	and alternate area				PRE-SITE REVIEW	Y	N
	Clean out and stub out shown				All system components staked and identified		
	Unusual site conditions indicated (pond,			35	Primary area lateral lines flagged and on contour		
	sinkholes, etc.)			36	Alternate area flagged and on contour		
NO	TE: Justify Items checked "N" in the Comments Se	ction	. ]	37	Perc holes/test pits flagged		
	nments:						
	HS Name:	Asse	esso	r Na	ame:		

