# NOTICE OF INTENT INDIVIDUAL TREATMENT FACILITIES NPDES GENERAL PERMIT ARG550000

· · · · · · · · · · · · · · · · · · ·	cw Renewal (Permit # ARG55)
I. PERMITTEE/OPERATOR INFORMATI	
Dermittee (Local Name) The Day Co.	·
Permittee (Legal Name): Dylan Ruffner	Operator Type:
Permittee Mailing Address: 1148 Brookhav	- Lamer SARP
Permittee City: Alexander	
Permittee State: AR	
Permittee Telephone Number: 501-288-1014	
Permittee Fax Number:	The legal name of the Permittee must be
Permittee E-mail Address: Aylan . Tuf	fner Csbcglobal.net Arkansas Secretary of State.
H. INVOICE MAILING INFORMATION (H	ome owners are exempt.)
Invoice Contact Person:	City:
Invoice Mailing Company:	
Invoice Mailing Address:	Telephone:
IIL FACILITY INFORMATION	
Facility Name: Ruffner Residence	Facility Contact Person: Dylan Ruffner
Facility Address: 1148 Brookhaven Court	Telephone Number: 501-288-1014
Facility County: Saline	Facility City, State & Zip: 72002
•	Facility Longitude: 92 Deg 36 Min 21.81 Sec
Accuracy: Method:	Datum
IV. DISCHARGE INFORMATION	TO THE TAX PARTY OF TAX PART
Outfall Number: 001	Flow: _450_ gpd (Gallons per Day)
	Hydrologic Basin Code: 8040203
Outfall Latitude: 34 Deg 42 Min 23.97 Se	7 17 16 17 17 17 17 17 17 17 17 17 17 17 17 17
Accuracy: Method:	Datum : Scale: Description:
Type of Treatment: Bio-Microbics Microfast 0.	***************************************
Receiving Stream: Ouachita River	
V. FACILITY PERMIT INFORMATION	
NPDES Individual Penn	it Number (If Applicable): AR00
NPDES General Porm	it Number (If Applicable); ARG
• 7	struction Permit Number:
NPDES General Construction Stormwater Permi	it Number (If Applicable): ARR15

WATER DIVISION
5301 NORTHSHORE DRIVE / NORTH LITTLE ROCK, ARKANSAS 72118
PHONE 501-682-0623 / FAX 501-682-0880
www.adeq.state.ar.us

-5-

Vĭ.	OTHER INFORMATION:					
	Operator Name:	Dayid I	Meints	i		
	Operator License Number:	009055			License	Class: Class III
	Consultant Contact Name;	David 1	Meints	3	1	
	Consultant Email Address:			cowastewater.com		
	Consultant Address:	PO Bo			State: A	
	Consultant Phone Number:	501-80			tant Fax Number:	501-821-4048
	his treatment system been app	roved by	AUD	7 Yes 🗵 No 🗌		
Discto	sure Statements:					
staten: withou	ent with their applications. The	filing of disclosu	a discle re state	osure statement is ma ement even if you ha	adatory. No appli ve one on file wit	Quality (ADEQ) file a disclosure cation can be considered complete in the Department. The form may
_	representative under the understand that the De (Initial) "I certify under penalty supervision in accord evaluate the informating the informat	he provi partment y of law ance with on submiton, the i ware tha	sions of will act that the act sylinted.  In the act of	of 40 CFR 122.22(b) accept reports signed on this document and all ystem designed to as Based on my inquiration submitted is, to are significant penal	). If no cogniza only by the Appli attachments wer sure that qualific y of the person of the best of my kn ties for submittin	lified to act as a duly authorized of official has been designated, cant." a prepared under my direction of personnel properly gather and persons directly responsible for owledge and belief, true, accurate a false information, including the
Res	sponsible Official Printed Name	: Dylar	Ruffin	ter	Title: Owner	
	Responsible Official Signature	Duc	in li	uffner	Date: 412	FILC
	Responsible Official Email:	dylan	-ruffy	neresbeglobal-ne	<del>\</del>	
C	ognizant Official Printed Name:	-	Meint	ts a		Operator
	Cognizant Official Signature:	$\overline{\mathcal{D}}$	Q	a. M.		501-804-0837
	Cognizent Official Email: da			—	•	, <u> </u>
<u></u>	ERMIT REQUIREMENT VI		Prioni	<u>.</u>		
	Please check the following to yer				t	
•	tonge eneck the following to yes		ленолг No	" If No is answered fo	rs. r any of the questio	ns, then a permit can not be issued!
Sub	omittal of Complete NOI?	$\boxtimes$				·
Sub	omittal of Required Permit Fee?		_	Check Number:		
	omittal of AHD Form EHP-19?			An out-propose in		··· · · · · · · · · · · · · · · · · ·
	omittal of Site Map?		_			
	mittal of Disclosure	Ø	L			
Stat	tement?		$\boxtimes$			

#### ARKANSAS DEPARTMENT OF ENVIRONMENTAL QUALITY

#### NOTICE OF INTENT

### INDIVIDUAL TREATMENT FACILITIES NPDES GENERAL PERMIT ARG550000

	Application	туре:	New 🖂	Re	enewal 🗌	] (Permi	t # ARG55)		
I. PERMITTEE	OPERATOI	R INFORMA	TION						
Permittee (L	egal Name):	Dylan Ruffn	er				Oper	ator Type:	
Permittee Maili	ng Address:	1148 Brookh	aven Cou	rt		☐ Sta	ite	☐ Partne	rship
Per	mittee City:	Alexander				☐ Fee	deral	Corpo	ration*
Peri	nittee State:	AR			-	⊠ So	le Proprietor	ship/Private	
Permittee Telepho							_	ation:	
_						The le	gal name of	f the Permittee n	nust be
Permittee E-m							cal to the sas Secretary	name listed wi y of State.	th the
II. INVOICE MA	ILING INFO	DRMATION	(Home ov	wners are e	xempt.)	,			
Invoice Contact	Person:		•	•		City	/ <b>:</b>		
Invoice Mailing Co								Zip:	
Invoice Mailing									
III. FACILITY IN	FORMATIC	)N							
Facility Name:	Duffner Desi	danca		Facilit	v Contact	Dargon	Dylan Rufi	fnor	
									<del></del> -
Facility Address:			_	•				014	
Facility County:								() (° 01 01 0	
Facility Latitude:	34 Deg 4.	2 Min 24.29	Sec Dat	_	Longitude:		92 Deg 30	5 Min 21.81 Sec	
Accuracy:	Met	hod:			Scal	e:	Desc	cription:	
IV. DISCHARGE	INFORMAT	ION							
Outfall Number:	001				F	low:	450 gpd (0	Gallons per Day)	
Stream Segment:	2C			Hydrolog	ic Basin C	ode: 8	3040203		
Outfall Latitude:	34 Deg 42	Min 23.97			ongitude:	92 Deg	g 36 Min	18.03 Sec	
Accuracy:	Met	hod:	Dat	um :	Scal	e:	Desc	cription:	
Type of Treatment:	Bio-Micro	bics Microfas	t 0.5						
Receiving Stream:	Ouachita 1								
V. FACILITY PE	RMIT INFO	RMATION							
	NPDES	S Individual Pe	ermit Nun	nber (If App	licable):	AR00			
	NPD	ES General Pe				ARG			
	_			ion Permit 1	-			<del></del>	
NPDES General	Construction	Stormwater Pe	ermit Nun	nber (If App	licable): _	ARR15	<b>-</b>		

WATER DIVISION
5301 NORTHSHORE DRIVE / NORTH LITTLE ROCK, ARKANSAS 72118
PHONE 501-682-0623 / FAX 501-682-0880
www.adeq.state.ar.us

VI OTHER INCORMATION.			
VI. OTHER INFORMATION:			
Operator Name: Operator License Number:	David Meints 009055	I icense	Class: Class III
Operator Elcense Number.	009033	Liconsc	Class. Class III
Consultant Contact Name:	David Meints		
Consultant Email Address:	david@meincowastewater.com		7. 50000
Consultant Address: Consultant Phone Number:	PO Box 1001 City: Bryan 501-804-0837 Co	nt State: Ansultant Fax Number	<del></del> *
Has this treatment system been app	roved by A.H.D.: Yes M No [	_	
Disclosure Statements:  Arkansas Code Annotated Section 8-	4.406	. 0 . 1	
certification or operational authority is statement with their applications. The without one. You must submit a new be obtained from ADEQ web site at: 1	filing of a disclosure statement is disclosure statement even if you	mandatory. No applantation in the mandatory. No applantation is applantation in the mandatory.	ication can be considered complete
(Initial) "I certify that the cog representative under to understand that the De (Initial) "I certify under penalty supervision in accordance evaluate the information gathering the information and complete. I am a	the provisions of 40 CFR 122.2 epartment will accept reports signly of law that this document and lance with a system designed to submitted. Based on my intion, the information submitted is	s Application is qual (2(b)). If no cognizated only by the Application all attachments were assure that qualification of the person of the best of my kneuralties for submitting	lified to act as a duly authorized nt official has been designated, l
Responsible Official Printed Name	: Dylan Ruffner	Title: Owner	r
Responsible Official Signature	:	Date:	
Responsible Official Email	:		
Cognizant Official Printed Name	: David Meints	Title:	Operator
Cognizant Official Signature		Telephone:	501-804-0837
Cognizant Official Email: _da	avid@meincowastewater.com	_	
X. PERMIT REQUIREMENT VI Please check the following to ver Submittal of Complete NOI? Submittal of Required Permit Fee?	rify completion of permit require  Yes No * If No is answer  \[ \bigcup \Bigcu		ons, then a permit can not be issued!
Submittal of AHD Form EHP-19?			
Submittal of Site Map? Submittal of Disclosure			
Statement?			

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







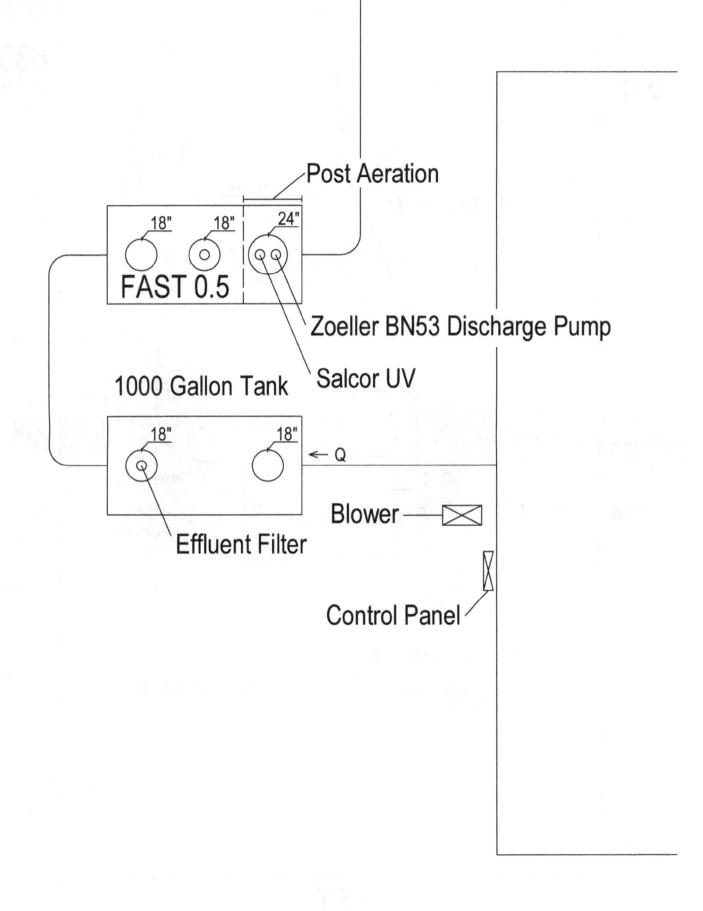
Receipt Number 1999 53 43

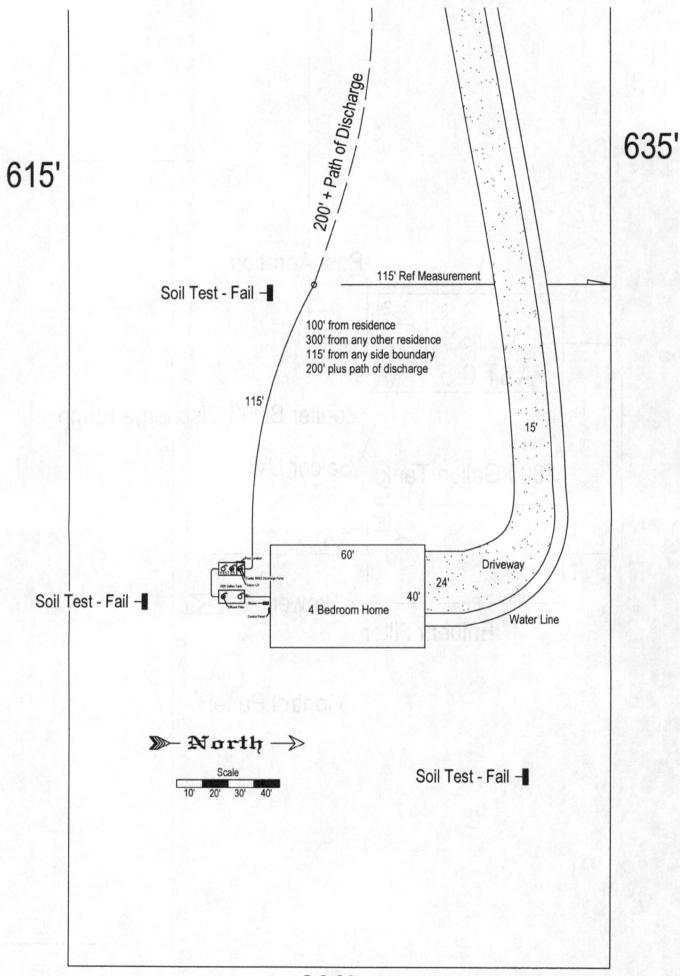
41				COLIGII		į.	1724			1 19	037	7
Individual C	nsite	Wastewater	r System Permi	t Applie	R.a	To amount of the second	Application - delibration of the state of th	Fee Schedule	for Structi	имя		11
Permit Type		New Installation						Structures 1500 sq it or less \$ 30,00				
		П	Alteration / Rep	pair			Structures more than 1500 sq ft and up to 2000 sq ft \$45.00					
DR Environme	l tetal	3.#						e than 2000 sq ft an			2 80.00	V
DI CHAROLANG	T T	J. #	<del></del>	1		e than 3000 sq fi and e than 4000 sq fi	a nb to 400	n ba or	\$120.00 \$150.00	H		
7 6 0	1	0 5 5	5 4 7	1 2 2 2		1	stion and f	min .			\$ 30.00	-
Part 1 Tre	atmer	nt Type (chec	k one)			Disposa	l Method	d (check one)	reversion		,	-
STD = Standa ISF = Intermit PMF = Propri OTH = Other	ard Sep tent Sa etary M (Descri	edia Filter be)	ATU = Aerobic Trea RSF = Re-circulating RGF = Re-circulating HLD = Holding Tank	Sand Fill Gravel F	ler	STD = 8	Standard A Surface Dis Sapping Fil	bsorpilon Field scharge	SRL	= Low Pres = Holding T = Serial Dis = Drip krigs	tribution	п
1. Owner's/Ap			, , , , , , , , , , , , , , , , , , , ,		THE STREET WAS ASSESSED.	avarius yeu	, , , ,	2. Phone Num	ber	Tarib little		
3. Mailing Add		sa Ruffner				**		501-288-1 4. County	1014			
3978 Eas	stern	Slope Drive	. Alexander, A	rkansa	s 7200	02		Saline				
5. Address of l	Propos	ed System (If	a 911 address is r es, Alexander,	ot availa	ble, att	ach detaile	d directio	ns or map)				
6. Subdivision	Name	Idyon Listar	es, Alexander,		oroval C			nte Recorded		9. Lot Nu	mhor	
Brookhav		states		20	06		2	006		20	INDE!	
10. Lot Dimens 230' x 63					tal Area	(Acres)		Bedrooms #Per 4 Bedroom	ople		Flow (GPD)	
14. Brief Legal	Descri	ption of Proper	rty (Attach a separ	ate shee	t of pap	er if neces	sary)			450	(11111111111111111111111111111111111111	
Section 2	11, To	wnship 1 N	lorth, Range 15	West,	Salin	e Count	y, Arkar					
Salem W		<u> </u>	if Public Water)			16. GPS 0 34.70		92.604925				7777
17. Loading Ra	tes	GPD /tt²	18. System Size									
Primary Site		n/a	a. Size of Septic	Tank	1000	5	al f.	Trench Depth	n/a		inches	
Secondary Site		n/a	b. Size of Dose T	ank	n/a		al g.	Trench Spacing	n/a		feet	
Percolation Tes		(mln/in)	c. Absorption Are	18	n/a	f	2 h.	Trench Media			i.Trench	Width
Primary Site Ave	ė	n/a	d. Number of Fiel	d Lines	n/a			n/a			n/a	in
Secondary Site		n/a	e. Length of Field	Lines	n/a			n/a			n/a	in
vas designed au inless there are uthorized agent 9. Utilization Vi I hereby att	Approduction of the community of the com	changed after oval for operating talled according tions or deviating revalidate a per tion 12, the re-	deemed invalid by approval of this ion does not constig to the Arkansas ions noted in the cermit more than on number of bedroor	permit, tute a gu Departn omments e (1) yes	or if the parantee nent of s. A Perantee per old per of pe	e informate that the s Health, Riemit for Corrior to the s	tion withingstem with ules and onstruction start of ar	n this permit is il function properly Regulations Perte n is valid for one (ny construction.	inaccurate.  The application to (1) year fr	e or has proval sta Onsite Wa om the da	been found tes that the systemater Systemate	to be ystem
type of syst	sm su	bmitted in this	site wastewater sy application relating	but not	this per limited	to: layout,	nstallation	ccurate. I have re on, maintenance,	end oper	nd unders ation.	tand the	
Owner/Applicant	7	4	a boffered			Ruffin	***************************************	Date		2015		
Arkansas Da	partm	ent of Health	e abové tests and Rules and Regulat	that the ions Pert	above I taining (	isted infon to Onsite V	Vastewat	er Systems.	h the late	st require	ments of the	
	Design:	eted Representa	tive Signature		Trin I		019		Soil Cer	tified [7	Yes 🔲 No	
		David A. M	-					mber 0/2015		E043.00	4.0007	
		Print Nam		***************************************			Da Da			501) 80 Phone N		_
		Authority				.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	THE REAL PROPERTY AND ADDRESS OF THE PARTY O	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	-	1,4445	ulling at	
The informatt	on and	specifications	in the application	has bee Wastewa	n revier ater Sye	wed and fo stems. A F	ound to m	eet the requireme	ents of the TION is h	Arkansar ereby <b>/</b> ssr	Department	of
Kan	and R	specifications	aul .	has bee Wastewa	n revier ater Sye	wed and fo stems. A F	ound to m	eet the requirements	ents of the TION is h	Arkansar perebylissi	Department	of

#### Individual Onsite Wastewater System Permit Application

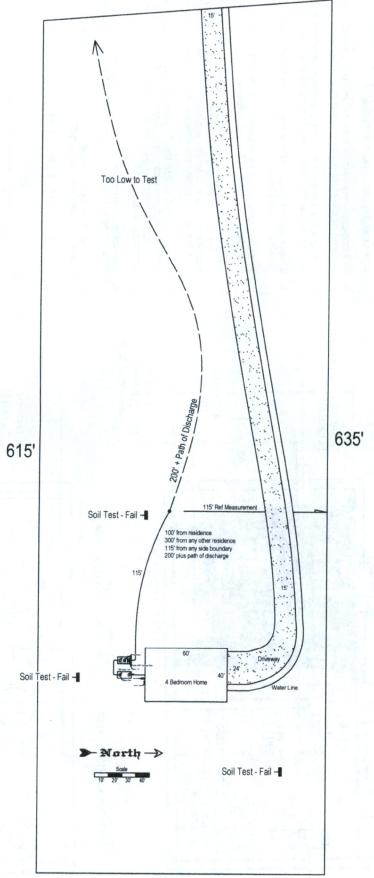
Receipt Number 19995343

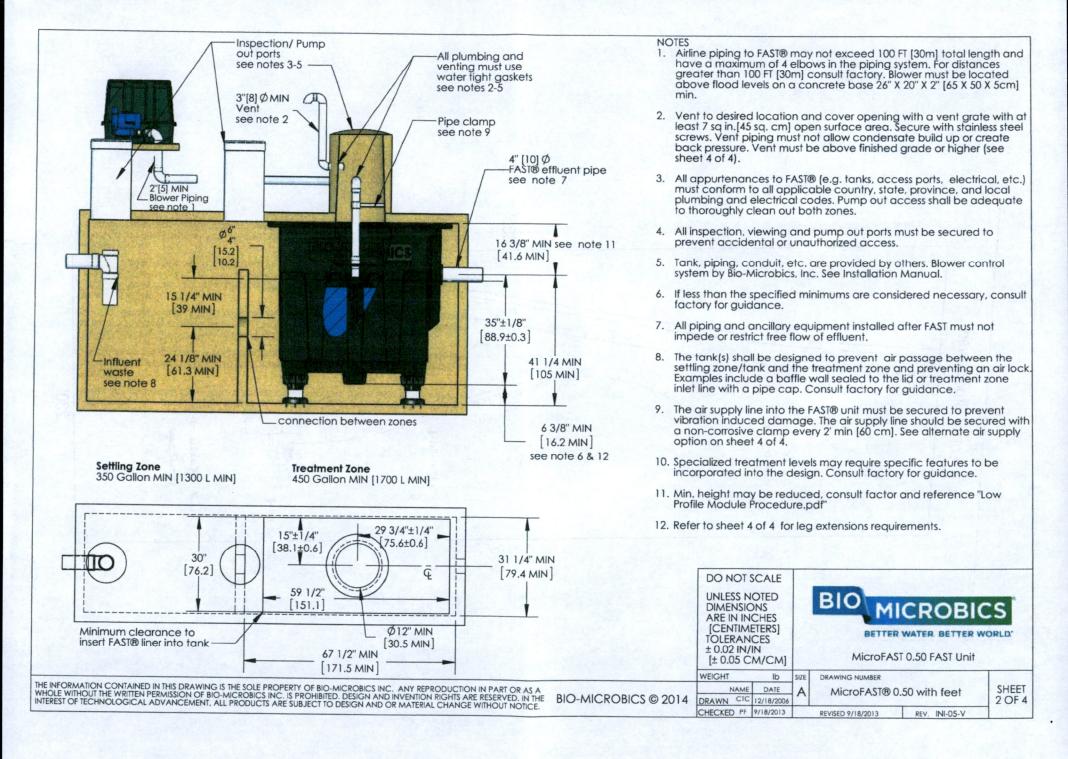
a. Bedrock >48"	b. B\$1		c. MSWT	d. LSWT	e. Adj. MSW1	f. Adj. LSWT	g. H.C./Depth	h. Loading Rate (gpd		
23. Soil Criter		ondary				f observed in the sol	Mod/48"	n/a		
a. Bedrock	b. BSV		c. MSWT	d. LSWT	e. Adj. MSWT					
>48"	0"		22"	not obsv	n/a	n/a	g. H.C./Depth Mod/48"	h, Loading Rate (gpd		
24. Seasonal		rable (			Irea	IIIa	10100/48	n/a		
Primary			1		ist Redoximorphic	Features and/or Cla	v Content Portriotic			
Brief	0"	( in	depletions		., .,	- Parales and or Old	y Comon Restrict	IIIS .		
Moderate .	20"	In	THE PERSON NAMED IN COLUMN 1		L-1-		THE STREET STREET			
-	obsv	in	THE RESIDENCE OF THE PARTY OF T	just above sl	naie		- Topick 47 183	L		
Secondar			n/a	7 :-	1 Podavimambia			The state of the s		
D 1-7		in		LI	st Redoxillorphic i	eatures and/or Clay	Content Restriction	ns		
	0"		depletions	and the second		A STATE OF S	o skapanik			
	2"	in		just above sh	nale	g-tige of the stops of	A SERBINATION FOR A			
Comments o	obsv	In	n/a			Marie III.				
	liation		ection			Starter of				
eptic tank man	ufacture	or W	Vhitten Co	ncrete - 1500	PI	imp information				
eptic tank mate	rial	- 0	Concrete	, market	Tr	Trench media and width				
ose tank manu	facturer		7011CICLE			oth of interceptor dr	and the second second			
ose tank mater	int	***************************************					ain			
				La para de	De	pth of settled fill				
ame of installer			David A.		gent of the		하는 것은 것은 기계에 다른 것으로 개념하였다.	cense Number 0925125		
stallation Inspe- leck one or Instal	cted by lersgns	System	o Environme Installation Ven	ntal Health Speci (Ication below)	ialist o Des	ignated Representa	tive			
		Signat	lure			EHS / Licens	a Number			
stem Installatio	n Verific	ation	erianad and t	yese and		THE PERSON NAMED AND POST OFFICE ADDRESS OF THE PERSON NAMED AND POST OF T	CATALOGRAPH	Date		
				Compliance with	n all Rules and Re	gulations Pertaining	to Onsite Wastewa	iter Systems.		
						0925125		12/18/2016		
	Ins	taller S	ignature			License Numi	ber	Date		
rt 3 Permit	for Op	eratio	on-		en in 1900 in					
Information co	ntained	in Par	11 and 2 of th	s form has been	reviewed and fou	nd to meet the requi	rements of the Arke	ansas Department of		
III. THE FER	WAT POI	VPE	KATION ON THE	is system is here	by issued.					
ironmental Hea	Ith Sac	nialini	(11	1		1/	Tell against	1/2/1		
	- Pha	ownst_	41	Signature		EHS Number	material des	1/7/1/		
nments	27					A POR CONTINE		Date L		
	nducted									











Specifications for MicroFAST 0.50 Wastewater Treatment System 1. GENERAL

The contractor shall furnish and install (1) MicroFAST®0.50 treatment system as manufactured by Bio-Microbics, Inc. The treatment system shall be complete with all needed equipment as shown on the drawings and specified herein.

The principal items of equipment shall include the FAST® system insert, blower assembly, blower controls and leg extensions or lid. All other items will be provided by others. The MicroFAST 0.50 unit shall be situated within a 450 Gallon [1700L] minimum compartment as shown on the drawings. Suggested maximum settling zone is [1] X the daily flow. Tank must provide adequate pump out access and conform to local, state, and all other applicable codes. The contractor shall coordinate the proper fabrication of the tank between the FAST system and tank supplier with regard to fabrication of the tank, installation of the FAST unit, and delivery to the iob site.

2. OPERATING CONDITIONS

The MicroFAST 0.50 treatment system shall be capable of treating the wastewater produced by typical family activities (bath, laundry, kitchen, etc.) ranging from (1) one to (8) eight people and not to exceed 500 US Gallons per day (1800 LPD) provided the waste contains nothing that will interfere with biological treatment. The FAST system is a biological treatment system not meant for non-biodegradable or industrial wastewater.

The FAST® media shall be manufactured of rigid PVC, polyethylene, or polypropylene and it shall be supported by the polyethylene insert. The media shall be fixed in position and contain no moving or wearing parts and shall not corrode. The media shall be designed and installed to ensure that sloughed solids descend through the media to the bottom of the septic tank.

The MicroFAST 0.50 unit shall come equipped with a regenerative type blower capable of delivering 17-25 CFM [31-46 m3/hr]. The blower assembly shall include an inlet filter with metal filter element. The blower shall be mounted outside the tank on a contractor supplied concrete base. Blower piping to the tank shall use non-corrosive material (PVC, Galvanized, or stainless Steel). Do not run galvanized pipe inside the treatment tank. Refer to Installation Manual for further details.

5. REMOTE MOUNTED BLOWER

The blower shall be placed on a contractor supplied concrete base. The blower must not sit in standing water and its elevation must be higher than the tank and normal flood level. A twopiece, rectangular housing shall be provided. The discharge air line from the blower to the MicroFAST® System shall be provided and installed by the contractor.

The electrical source should be within 150 feet [45 meters] of the blower consult local codes for longer wiring distances. All wiring must conform to all applicable codes(IEC, NEC, etc.). Wiring distances must prevent significant voltage loss. Input power on 60Hz electrical systems 110/220VAC, 1Ø, 3.5/1.7 FLA, on 50 Hz electrical systems 220VAC, 1Ø, 1.9 FLA. Other voltages and phase are also available. Actual power consumption varies with site conditions. All conduit and wiring shall be supplied by contractor.

7. CONTROLS

The control panel provides power to the blower and contains an alarm system consisting of a visual and audible alarm capable of signaling blower circuit failure and high water conditions. The control panel is equipped with SFR® (Sequencing Fixed Reactor) timed control feature. A manual alarm silence button is included.

8. INSTALLATION AND OPERATING INSTRUCTIONS

All work must be done in accordance with local codes and regulations. Installation of the FAST 0.50 shall be done in accordance with the written instructions provided by the manufacturer. Manuals shall be furnished, which will include a description of system installation, operation, and maintenance procedures.

FAST® systems have been successfully designed, tested and certified receiving gravity, demand-based influent flow. When influent flow is controlled by pump or other means to help with highly variable flow conditions, then multiple dosing events should be used to maximize performance. The flow rate shall not exceed 5 gpm (19 Lpm) with a maximum hourly flow not to exceed 10% of the design daily flow (50 gph (190 LPH)).

10.WARRANTY

Bio-Microbics, Inc. warrants all new residential FAST® models [MicroFAST® 0.50, 0.625, 0.75, 0.90, and 1.5] against defects in materials and workmanship for a period of two years after installation or three years from date of shipment which ever occurs first. All other FAST® system models are warranted for a period of one year after installation or eighteen months from date of shipment, whichever occurs first. All are subject to the following terms and conditions below:

During the warranty period, if any part is defective or fails to perform as specified when operating at design conditions, and if the equipment has been installed and is being aperated and maintained in accordance with the written instructions provided by Bio-Microbics, Inc., Bio-Microbics, Inc., will repair or replace at its discretion such defective parts free of charge. Defective parts must be returned by owner to Bio-Microbics, Inc., Stactory postage paid, if so requested. The cost of labor and all other expenses resulting from replacement of the defective parts and from installation of parts furnished under this warranty and regular maintenance items such as fillets or bulbs shall be barne by the owner. This warranty does not cover general system misuse, cerator components which have been damaged by Biooding or any fillets or bulbs shall be barne by the owner. This warranty does not cover general system misuse, acrator components which have been damaged by Biooding or any fillets or bulbs shall be barne by unauthorized persons, improperty installed or damaged due to altered or improper wiring or overload protection. This warranty applies only to the treatment plant and does not include any of the structure wiring, plumbing, drainage, septic tank or disposal system. Bio-Microbics, Inc. This warranty applies only to the treatment plant and does not include any of the FAST system, or any component part or parts thereof, without incurring any obligation to make such changes or modifications in present equipment. Bio-Microbics, Inc. is not responsible for consequential or inclidental damages of any nature resulting from such things as, but not limited to, defect in design, material, or workmanship, or delays in delivery, replacements or repairs.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESS OR IMPLIED. BIO-MICROBICS SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. NO REPRESENTATIVE OR PERSON IS AUTHORIZED TO GIVE ANY OTHER WARRANTY OR TO ASSUME FOR BIO-MICROBICS, INC., ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF ITS PRODUCTS. Contact your local distributor for parts and service.

DO NOT SCALE **UNLESS NOTED** DIMENSIONS ARE IN INCHES

[CENTIMETERS] TOLERANCES ± 0.02 IN/IN I± 0.05 CM/CM1 BETTER WATER, BETTER WORLD'

MicroFAST 0.50 FAST Unit

SHEET

3 OF 4

WEIGHT lb SIZE DATE NAME DRAWN CIC 12/18/2006 CHECKED PF 9/18/2013

DRAWING NUMBER MicroFAST® 0.50 Specifications REV. INI-05-V REVISED 9/18/2013

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF BIO-MICROBICS INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BIO-MICROBICS INC. IS PROHIBITED. DESIGN AND INVENTION RIGHTS ARE RESERVED. IN THE INTEREST OF TECHNOLOGICAL ADVANCEMENT, ALL PRODUCTS ARE SUBJECT TO DESIGN AND OR MATERIAL CHANGE WITHOUT NOTICE.

BIO-MICROBICS © 2014

#### 1. INSTALLATION INSTRUCTIONS

WARNING! Improper connection of the appliance grounding conductor can result in the risk of electric shock. Check with a qualified electrician or service representative if you are in doubt about whether the appliance is properly grounded.

Open and carefully unpack the shipping carton. Check for any damage that may have occurred in shipping. If there are any problems, call or fax *SALCOR INC*. explaining the problem(s).

The following list describes the components that are contained in the shipping carton.

- 1. Riser pipe: Four-inch diameter ABS pipe. The one-inch PVC bubble-wrapped insertion and removal handle containing the UV lamp is packed inside the riser pipe.
- 2. Disinfection chamber: three-inch diameter ABS pipe with 4-inch inlet and outlet hubs.
- 3. Disinfection subassembly consisting of an anodized aluminum frame supporting a Teflon ® sleeve containing a pure fused quartz tube. This complete item is packed inside of the three-inch disinfection chamber.
- 4. One-inch White PVC handle which is used for inserting and removing the disinfection subassembly.
- 5. Long Life UV lamp packed inside of the PVC handle.
- 6. Electrical subassembly junction box (rated 6P) with pre wired alarm board, electronic ballast, and the cable supplying power to the UV lamp.
- 7. Two 4-inch Schedule 40 ABS pipe couplings.
- 8. Watertight connection(s) for bringing the power and alarm wires into the junction box.

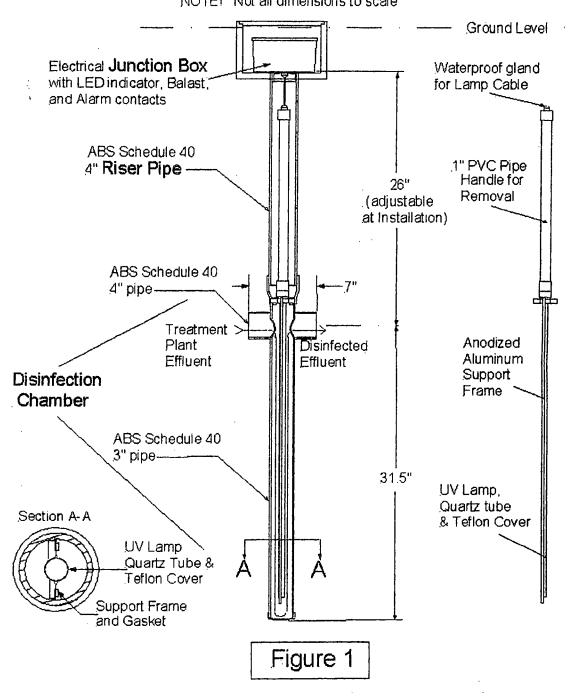
There will be some additional items needed for installation, which are:

- 1. ABS cement (also multipurpose cement if bonding to PVC pipe)
- 2. Teflon tape
- 3. Isopropyl (rubbing) alcohol
- 4. Glycerin (available from drug stores)
- 5. Power and Alarm Wires
- 6. Power and Alarm Wire Watertight Conduit for connecting to the Junction Box
- 7. Valve Box cover if unit is to be installed above ground

A schematic drawing of the unit is shown in figure 1.

## Salcor 3G UV Disinfection Unit

NOTE! Not all dimensions to scale



Contract Number:	Ruffner

## SERVICE AND MAINTENANCE CONTRACT

1.	Parties. This contract ("Agreement" or "Contract")  Dylan Ruffner	is betv	ween Meinco Septic Systems, Inc., ("Meinco") and ("Client"), referred to individually as a "Party" and
	collectively as the "Parties."		
2.	Service Location. This is a Contract for septice Meinco for Client located at Lot 20, Brookhaven Estate hereinafter referred to as the "Service Site."	syster es, Alexa	m service and maintenance services provided by ander, Arkansas
3.	Service Fees. Client agrees to pay Meinco One service and maintenance specifically work performore specifically below (hereinafter referred to invoiced amount is good consideration for this Chargained for terms of this agreement.	rmed e as "Se	d twenty five (\$ 125.00 ) for septic system every Quarterly and described ervice Work"). Meinco and Client agree that the and the services set forth below and reflects the
4.	Materials Charges. During regular maintenance Meinco will replace materials necessary to keep the septic system operating efficiently (chlorine tablets, UV light bulbs, floats, filters, etc.). Meinco and Client agree that Meinco shall submit to client the costs of maintenance parts and materials and Client will promptly pay the same.	9.	Modification to System. If the septic system is modified, abused, mis-used, or altered, then Meinco's responsibility to service or maintain the septic system is terminated. Meinco may remedy such conditions by replacing parts or correcting defects. If Meinco makes such changes to the septic system, then it may charge to client the costs of repairs, modifications, parts, and labor. Meinco may, at its
5.	Laboratory Fees.  A)  This paragraph is inapplicable.  B)  Client agrees that Meinco will use a third party laboratory, Environmental Services, Inc , for any sampling that is required under this Contract. In such event,	, ,	discretion, seek payment in advance of making any repairs or modifications to the septic system. In such event, Meinco shall not be responsible for any damage or adverse effects for its delay in making repairs or modifications to the septic system.
	Meinco shall submit to Client a laboratory fee of \$75.00 and Client will promptly pay the same.	10.	Access to System. Client agrees to provide Meinco access to the septic system as well as its parts and components.
6.	Services Provided. Meinco agrees to provide the following Service Work to the Client and the Service Site:	11.	<b>Termination by Client</b> . Client may terminate this contract by providing thirty (30) days written notice to Meinco.
	A) Maintenance requirements, including review of system components and their working condition, monitoring of solic levels to determine system efficiency, and periodic cleaning of system filters or media.	i	Termination by Meinco. Notwithstanding, and in addition to, any other provision or term in this Contract, <u>MEINCO MAY TERMINATE</u> THIS CONTRACT AT ANY TIME AND WITHOUT PREVIOUS NOTICE TO CLIENT.
	<ul> <li>B) 1.  This paragraph is inapplicable.</li> <li>II.  Necessary sampling and submission of paperwork every</li> <li>6 month(s) or as required to comply with the Arkansas</li> <li>Department of Health Onsite Maintenance Program.</li> </ul>	/	Solid Removal. Solid removal is not a covered service and shall incur an additional fee. If Meinco removes solids from the septic system, then it may charge to client the costs of solid removal. In any event, Meinco shall not be responsible for any damage or adverse effects for any delay in removing solids.
	C) Necessary paperwork every 6 month(s) as required to comply with the Arkansas Department of Health and/or the Arkansas Department of Environmental Quality.		Indemnity. To the fullest extent permitted by law, Client shall indemnify, hold harmless, and defend Meinco and any agent or employees of Meinco from and against all injuries, claims, damages,
	<ul> <li>D) I.  This paragraph is inapplicable.</li> <li>II.  Sampling of discharge every 6 month(s) in coordination with a 3rd party laboratory for required laboratory tests.</li> </ul>		losses, and expenses, including, but not limited to, attorneys' fees, arising directly or indirectly out of the obligations herein undertaken or resulting out of operations related to the Service Work or Service Site conducted by Meinco, Meinco's agents, anyone directly or indirectly employed by them or anyone for whose acts they may be
7.	Contract Duration. This contract shall be for a period of 24	_	liable, regardless of whether or not such injury, claim damage,

month(s) from the date this Contract is executed by the parties on

8. Flow Requirements. This contract shall be null and void if septic

system flow exceeds 450 gallons per day

losses, or expenses is caused in part by a party indemnified. Such obligation shall not negate, abridge, or otherwise reduce the rights or obligations of indemnity which would otherwise exist to a party or

person described in this paragraph.

- Assignment. Client agrees that even though this is a contract for services, Meinco may assign this Contract to any third party without written notice to Client.
- 16. Bilateral Contract. Meinco and client specifically agree that Client is seeking Meinco's promise to perform and not its performance.
- 17. Claims Against Meinco. Client shall give Meinco written notice of all claims within five (5) days of Client's knowledge of facts giving rise to the event for which claim is made. Otherwise, such claims shall be deemed waived by Client. All unresolved claims, disputes, and other matters in question between Meinco and Client shall be resolved in the manner provided for in this Agreement.
- 18. Rights Upon Breach. If Client breaches this Agreement with Meinco, Meinco may stop all work, including all Service Work. Additionally, Client will be liable to Meinco for consequential, incidental, and reliance damages as well as attorneys' fees and court costs. Such liability upon Client shall extend to petitions for and orders of contempt as well as any attempts by Meinco to collect upon any debt or damages owed to it by Client, including those entered by court of law or other dispute resolution proceeding.
- 19. Direct Discussion. If a dispute arises out of or relates to this Agreement, the Parties shall endeavor to settle the dispute through direct discussion before advancing to any dispute resolution proceeding.
- 20. Joint Drafting. The Parties expressly agree that this Agreement was jointly drafted and that this Agreement shall be construed neither against nor in favor of either Party. Instead, this Agreement shall be construed in a neutral manner.
- 21. Choice of Law. The Parties expressly agree that any dispute or claim filed or heard in any jurisdiction concerning or relating to this Agreement or worked performed as a result of this Agreement shall be governed by the laws of the State of Arkansas.
- 22. Forum Selection and Choice of Venue. The Parties expressly agree that any dispute or claim arising from, filed, or heard concerning or relating to this Agreement or work performed as a result of this Agreement shall be heard in Saline County, Arkansas, and no other forum. If this clause is penetrated and the hearing

- concerning the dispute removed to the United States federal court system, then the Parties expressly agree that the dispute shall be heard in the United States District Court for the Eastern District of Arkansas, Western Division, at the Richard Sheppard Arnold United States Courthouse in Little Rock, Arkansas.
- 23. Waiver of Agreement Terms. Meinco, at its sole discretion and leisure, may waive any term in this Agreement. Such waiver shall not, under any conditions or circumstances, constitute a modification of this Agreement. Additionally, such wavier shall not, under any conditions or circumstances, constitute a course of performance, course of dealings, or trade usage between Meinco and Client. Any waiver by Meinco shall be limited to a single incident or event. No waiver of any term of this Agreement is valid unless it is in writing, signed by Meinco, and attached to this Agreement as an addendum. It is the responsibility and duty of Client to draft any written waiver and to present it to Meinco for Meinco's approval and signature.
- 24. Force Majeure. Neither Party shall be in breach of its obligations under this Agreement (other than payment obligations) or incur any liability to the other Party for any losses or damages of any nature whatsoever incurred or suffered if and to the extent that the other party it is prevented from carrying out its obligations by, or such losses or damages are caused by, a force majeure event. For purposes of this paragraph, the failure of the state of Arkansas or the United States of America to act according to current practices, procedure, or law at the time of the making of this Contract shall be considered a force majeure event. Such event by the government shall be in addition to any current or commonly accepted definition of force majeure event.
- 25. Merger and Integration. Meinco and Client agree that this Agreement represents a full, final, and complete memorial of their Agreement for the Service Work and that this Agreement does not rely upon any term or promise not otherwise specified within the four corners of this Agreement.
- 26. No Oral Modification. Meinco and Client agree that this Agreement shall not be subject to oral modification. The Parties agree that any modification made or agreed to by the Parties shall be in writing, signed by both Parties, and attached to this Agreement as an Addendum.

By signing this Agreement below, I indicate that I have read this Agreement and its terms, consisting of two (2) pages, excluding any Addendum or Addenda, and that these express terms are both acceptable and agreeable to me. I further declare that these terms do not represent an undue hardship, are not illusory, and are not unconscionable as I have expressly bargained for these terms in consideration of entering into this Contract for the value specified in paragraph three (3).

	9/1/2015
Meinco Septic Systems, Inc.	Date
Client	Date



#### **Arkansas Department of Health**

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

#### MEMORANDUM OF AGREEMENT

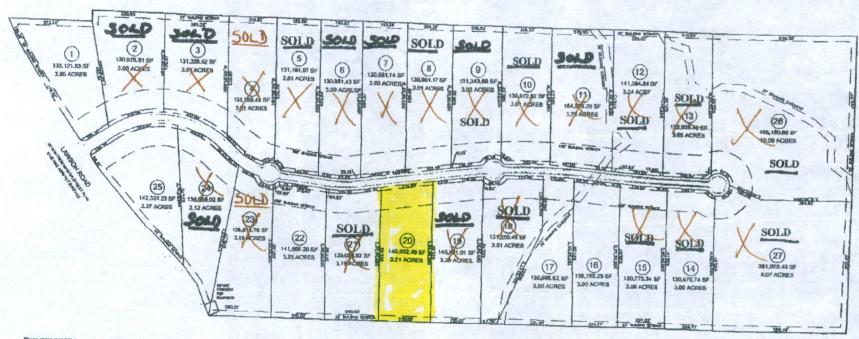
SUBJECT: ONSITE WASTEWATER SYSTEM APPLICATION

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.
- 2. 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.
- 4. The Arkansas Department of Health has no responsibility in the operation and maintenance of such systems.
- 5. That the Arkansas Department of Health may monitor the system as to its operation capabilities.
- 6. That the Arkansas Department of Health is granted permission to make such inspections as deemed necessary.
- 7. 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).
- 8. 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.

SIGNED:		SIGNED:	
	(Property Owner)		(Health Department)
DATE:		DATE:	





Phone (901) 219-8894 Fix (501) 217-0269

CeS (501) 600-8583 Track (501) 607-15-48

CHEMIS C. THOMAS INVESTMENTS CHEMI WEST DEVELOPERS, INC. EAGLE RUDGE DEVELOPERS, LLC

Maling Address: 30.80x 22515 LHIL Rock, AR 72221 USA

Street Address: 2836 Himson Road Lidle Rock, AR 72232 188

BROOKHAVEN ESTATES SALINE COUNTY, ARKANSAS



NOTE: THIS DRAWING IS FOR INFORMATION ONLY AND CANNOT BE USED AS A BURVEY OR A PLAT

Global Surveying Consultants, Inc.

Land Surveying . Planning . GPS . Subahision . Design . Englopening



15605 ALEXANDER ROAD ALEXANDER, ARCANSAS 72002 TEEE. (801) 456-4984 FAX (501) 458-8158 www.globel-burneying.gom





Meinco Wastewater PO Box 1001 Bryant, AR 72089





BRYANT, AR 72089 APR 24 17 AMOUNT \$1.19 R2304M113734-07

ADEQ Water Division (Permits) Water Division (Permits) 5301 North Share Drive North Little Rock, AR North Little Rock, MR

<u>իլի Մարդիկանիկան իրանին անդանին անձան առաջան անձան անձան</u>