ARG (NPDES non-stormwater general permit) Notice of Intent - ARG160000, ARG250000, ARG500000, ARG550000, ARG6400000, ARG670000, ARG750000, and ARG790000 Applications for New Permit Coverage

version 1.22

(Submission #: HQ5-KV1N-K18D6, version 1)

Details

Submission ID HQ5-KV1N-K18D6

Form Input

Type of Permit Application

Permit Type
ARG550000 - Individual Treatment System for Domestic Waste

Is this permit for an individual homeowner?
Yes

Initial Fee (in dollars)
0

Total Fee due with Application (in dollars)
0

ARG550000: Specific Information

Exclusions
Please note that the following discharges are excluded from coverage under the ARG550000 general permit:

1. Systems with multiple discharges,
2. Facilities requiring financial assurance in accordance with Arkansas Code Annotated 8-4-203(b), and
3. Discharges that include non-domestic waste

I certify that to the best of my knowledge, this facility is not subject to the exclusions listed above.
Yes

Other Exclusions
In addition to the above exclusion, waterbody-specific exclusions and/or other exclusions may be applicable. See the permit for details:
https://www.adeq.state.ar.us/downloads/WebDatabases/PermitsOnline/NPDES/Permits/ARG550000.pdf

The Aquaview application may be useful if you wish to check the status of receiving waters for the facility:
https://arkansasdeq.maps.arcgis.com/apps/webappviewer/index.html?id=fb5a6aa70fd940cda4c9a3d7bc2fbb15

Site Map
Please attach a site map that shows the following:
1. Entrance/driveway of the facility/residence,

2. Location of the treatment system, and
3. Location of the outfall

Site Map

Hopkins.jpg - 08/03/2024 11:25 AM
Comment
NONE PROVIDED

Please attach approval from the Arkansas Department of Health (typically the EHP-19 form)

Hopkins_Mark and Christy_US-64_Approved.pdf - 08/03/2024 11:25 AM
Comment
NONE PROVIDED

Permittee Information

AFIN (Enter if available)
NONE PROVIDED

Permittee (Legal Name)

The permittee means any person (an individual, association, partnership, corporation (i.e. LLC or Inc.), municipality, state, or federal agency) who has the primary management and ultimate decision-making responsibility over the operation of a facility or activity.

For individual homeowners, the permittee must be the name of the homeowner or homeowners, e.g. "Jane Doe" or "John and Jane Doe"

For corporations, the permittee legal name must be an EXACT MATCH with the Arkansas Secretary of State (including all punctuation). Below is a link to verify the match:
Arkansas Secretary of State

Permittee (Legal Name)
Mark and Christy Hopkins

Permitee Type
Individual Homeowner

Permittee Mailing Information

Prefix
NONE PROVIDED

First Name	Middle Name	Last Name
Mark and Christy	*NONE PROVIDED*	*Hopkins*

Title
NONE PROVIDED

Phone Type	Number	Extension
Mobile	501-201-6398	

Email
christydhopkins@yahoo.com

Address

4877 Hwy 64

Augusta, AR 72006

Is the invoice address the same as the mailing address for permit documents?
Yes

Is there an active consultant for this facility?
Yes

Consultant Information

Prefix
NONE PROVIDED

First Name	Middle Name	Last Name
David	*NONE PROVIDED*	*Meints*

Title
Class III Operator

Consulting Firm Name
Meinco Wastewater Systems

Phone Type	Number	Extension
Business	501-821-3837	

Email
david@meincowastewater.com

Address

P.O. Box 1001

Bryant, AR 72089

United States

Facility/Site Information

Facility/Site Name
Mark and Christy Hopkins

Location of the Facility/Site

Please provide the 911 address if available. If a 911 address is not available, please provide a description of the site location (e.g. 0.5 miles north of intersection of A Street and B Street).

Facility/ Site Information

Facility/Site Contact

Prefix
NONE PROVIDED

First Name	Middle Name	Last Name
Mark and Christy	*NONE PROVIDED*	*Hopkins*

Title
Homeowners

Phone Type	Number	Extension
Mobile	501-201-6398	

Email
christydhopkins@yahoo.com

Facility/Site Address

4877 Hwy 64

Augusta, AR 72006

Facility County (if the facility/site is in multiple counties, choose "other" and explain)
Woodruff

Coordinates of the Facility/Site Entrance. This should be the driveway or front gate for most facilities, or the location of the project trailer/other local staging point for hydrostatic testing
35.285591,-91.335511

Common SIC & NAICS Codes

Facility Type	SIC Code	NAICS Code
Individual Homeowner (sewage treatment)	4952	221320

Facility Type	SIC Code	NAICS Code
Solid Waste Landfill	4953	562212
Construction Sand and Gravel	1442	212321
Crushed and Broken Limestone	1422	212321
Crushed and Broken Stone, Not Elsewhere Classified	1429	212319
Water Supply	4941	221310
Carwashes	7542	811192

For other SIC and NAICS codes, you can search the following website:
https://www.naics.com/search/

Primary SIC Code
4952

Primary NAICS Code
221320

Other applicable SIC codes and/or NAICS codes
NONE PROVIDED

Permit Numbers and/or names of any permits issued by DEQ or EPA for an activity located in Arkansas that is presently held by the applicant or its parent or subsidiary corporation

Permit Name	Permit Number	Held By

Licensed Wastewater Operator(s) (if applicable). ARG55 coverage requires a Class II Municipal or higher license. ARG64 coverage requires a Class I Municipal or Basic Industrial, or higher license. ARG16 and ARG79 coverage requires a Basic Industrial or higher license or higher. ARG67 coverage does not require a licensed operator. Other ARG coverage may or may not require a licensed operator depending on the type of treatment, see the permits for details.

Operator Name	License Number	Municipal License Class	Industrial License Class
David Meints	009055	III	N/A

Discharge/Outfall Information

Receiving Stream Information

Below is a link the DEQs AquaView Mapping Tool that may be useful for receiving stream information and ultimate receiving stream information. You can also check for special waterbody designations and impairments that could exclude discharges from coverage under a general permit.
Aquaview

The outfall latitude and longitude must be entered in decimal format (like 36.1234, -92.1234). Do you have a Degree/Minute/Second measurement (like 36°12'34.56", 92°12'34.56") that you need to convert?
No

Outfall Information

Outfall Number	Latitude	Longitude	Estimated Flow - Please include units, such as MGD or GPD	Effluent Description	Name of Receiving Stream (i.e. an unnamed tributary of Mill Creek, thence into Mill Creek, thence into the Arkansas River)	Type of Treatment System (Include all components of the treatment system. Can be "none" if no treatment is used)	Coordinates Check
001	35.285241	-91.334873	1500 GPD	Treated Sanitary Wastewater	White River	Bio Microbics Microfast 1.5 W/ UV	NONE PROVIDED

Outfall Number	Latitude	Longitude	Estimated Flow - Please include units, such as MGD or GPD	Effluent Description	Name of Receiving Stream (i.e. an unnamed tributary of Mill Creek, thence into Mill Creek, thence into the Arkansas River)	Type of Treatment System (Include all components of the treatment system. Can be "none" if no treatment is used)	Coordinates Check
NONE PROVIDED	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED
NONE PROVIDED	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED	NONE PROVIDED

Responsible and Cognizant Official Information

Cognizant Official (duly authorized representative)

40 CFR 122.22(b) states that all reports required by the permit, or other information requested by the Director, shall be signed by the applicant (or person authorized by the applicant) or by a duly authorized representative of that person. A person is a duly authorized representative only if:
(1) the authorization is made in writing by the applicant (or person authorized by the applicant);
(2) the authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity responsibility, or an individual or position having overall responsibility for environmental matters for the company.

Cognizant Official Designation
More than one Cognizant Official is designated for this facility

The applicant hereby designates the following person as a Cognizant Official, or duly authorized representative, for signing reports, etc., including Discharge Monitoring Reports (DMR) required by the permit, and other information requested by the Director:

Cognizant Official

Prefix
NONE PROVIDED

First Name	Middle Name	Last Name
David	*NONE PROVIDED*	*Meints*

Title
Class III Operator

Phone Type	Number	Extension
Business	501-821-3837	

Email
david@meincowastewater.com

The applicant hereby designates the following additional person(s) as Cognizant Official(s), or duly authorized representative(s), for signing reports, etc., including Discharge Monitoring Reports (DMR) required by the permit, and other information requested by the Director:

Additional Cognizant Officials

Name	Title	Telephone	Email

Responsible Official

In accordance with 40 CFR 122.22, all NOI shall be signed as follows:

1) For a corporation: by a responsible corporate officer. For purposes of this section, a responsible corporate officer means:
a. A president, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or
b. The manager of one or more manufacturing, production, or operating facilities, provided, the manager is authorized to make

management decisions which govern the operation of the regulated facility including having the explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to ensure long term environmental compliance with environmental laws and regulations; the manager can ensure that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements; and where authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively;

3) For a municipality, State, Federal or other public agency: by either a principal executive or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:
a. The chief executive officer of the agency; or
b. A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

For individual homeowners seeking coverage under the ARG550000 general permit, the homeowner is the responsible official. For joint ownership, one of the co-owners must sign as the responsible official.

Responsible Official Information

Prefix
NONE PROVIDED

First Name	Middle Name	Last Name
Mark and Christy	*NONE PROVIDED*	*Hopkins*

Title
Homeowners

Phone Type	Number	Extension
Mobile	501-201-6398	

Email
christydhopkins@yahoo.com

HD694

Arkansas Department of Health
Environmental Health Protection

Receipt Number 26291593

Individual Onsite Wastewater System Permit Application

Permit Type ☐ New Installation ☑ Alteration / Repair

DR Environmental ID # 7 6 0 1 0 5 5 5 4 7

Fee Schedule for Structures		√
Structures 1500 sq ft or less	$ 30.00	☐
Structures more than 1500 sq ft and up to 2000 sq ft	$ 45.00	☐
Structures more than 2000 sq ft and up to 3000 sq ft	$ 90.00	☐
Structures more than 3000 sq ft and up to 4000 sq ft	$120.00	☐
Structures more than 4000 sq ft	$150.00	☐
Alteration and Repair	$ 30.00	☑

Part 1 Application

Treatment Type (check one)
- ☐ STD = Standard Septic Tank
- ☐ ISF = Intermittent Sand Filter
- ☐ PMF = Proprietary Media Filter
- ☐ OTH = Other (Describe)
- ☑ ATU = Aerobic Treatment Plant
- ☐ RSF = Re-circulating Sand Filter
- ☐ RGF = Re-circulating Gravel Filter
- ☐ HLD = Holding Tank

Disposal Method (check one)
- ☐ STD = Standard Absorption Field
- ☑ SUR = Surface Discharge
- ☐ CPF = Capping Fill
- ☐ OTH = Other
- ☐ LPD = Low Pressure Distribution
- ☐ HLD = Holding Tank
- ☐ SRL = Serial Distribution
- ☐ DRP = Drip Irrigation

1. Owner's/Applicant's Name: Mark & Christy Hopkins c/o M.J. Herr, Inc.	2. Phone Number: (501) 351-4581
3. Mailing Address: P.O. Box 241219, Little Rock, Arkansas 72223	4. County: Woodruff
5. Address of Proposed System (If a 911 address is not available, attach detailed directions or map): 4877 US-64, Augusta, Arkansas 72006	

6. Subdivision Name	7. Approval Date	8. Date Recorded	9. Lot Number
n/a	n/a	n/a	n/a
10. Lot Dimensions	**11. Total Area (Acres)**	**12. # Bedrooms # People**	**13. Daily Flow (GPD)**
~744' x ~300'	5.0	5 Bedroom - 20	1500

14. Brief Legal Description of Property (Attach a separate sheet of paper, if necessary)
NW 1/4, NW 1/4, Section 32, Township 8 North, Range 3 West, Woodruff County

15. Water Supply (Specify supplier, if Public Water)	16. GPS Coordinates
Public Water	35.2853073, -91.3360202

17. Loading Rates	(gpd/ft²)	18. System Specifications						
Primary Area	n/a	a. Size of Septic Tank	2200	gal	f. Trench Depth	n/a	inches	
Secondary Area	n/a	b. Size of Dose Tank	Basin	gal	g. Trench Spacing	n/a	feet	
Percolation Test	(min/in)	c. Absorption Area	n/a	ft²	h. Trench Media (List Below)		i.Trench Width	
Primary Area Avg	n/a	d. Number of Field Lines	n/a		n/a		n/a	in
Secondary Area	n/a	e. Length of Field Lines	n/a	ft	n/a		n/a	in

TO THE OWNER
The permit for construction may be deemed invalid by the local Environmental Health Specialist before the start of construction, if the site and/or soil conditions have changed after approval of this permit, or if the information within this permit is inaccurate or has been found to be misrepresented. Approval for operation does not constitute a guarantee that the system will function properly. The approval states that the system was designed and installed according to the Arkansas Department of Health, Rules and Regulations Pertaining to Onsite Wastewater Systems, unless there are exceptions or deviations noted in the comments. A Permit for Construction is valid for one (1) year from the date of approval. The authorized agent must revalidate a permit more than one (1) year old prior to the start of any construction.

19. Utilization Verification
I hereby attest that item 12, the number of bedrooms (number of persons for commercial) and square footage of the structure that will utilize the designed individual onsite wastewater system in this permit application, is accurate. I have reviewed the permit application and understand the layout, installation, maintenance, operation and expense(s) that may be associated with this system.

Owner/Applicant Signature Christy Hopkins (Client) Date 10-13-23

20. I certify that I have conducted the above tests and that the above listed information is in accordance with the latest requirements of the Arkansas Department of Health Rules and Regulations Pertaining to Onsite Wastewater Systems.

David A. Meints — Designated Representative — Soil Certified ☑ Yes ☐ No

Designated Representative Signature | Title

David A. Meints | 10/10/2023 | 501-821-3837/501-503-9829

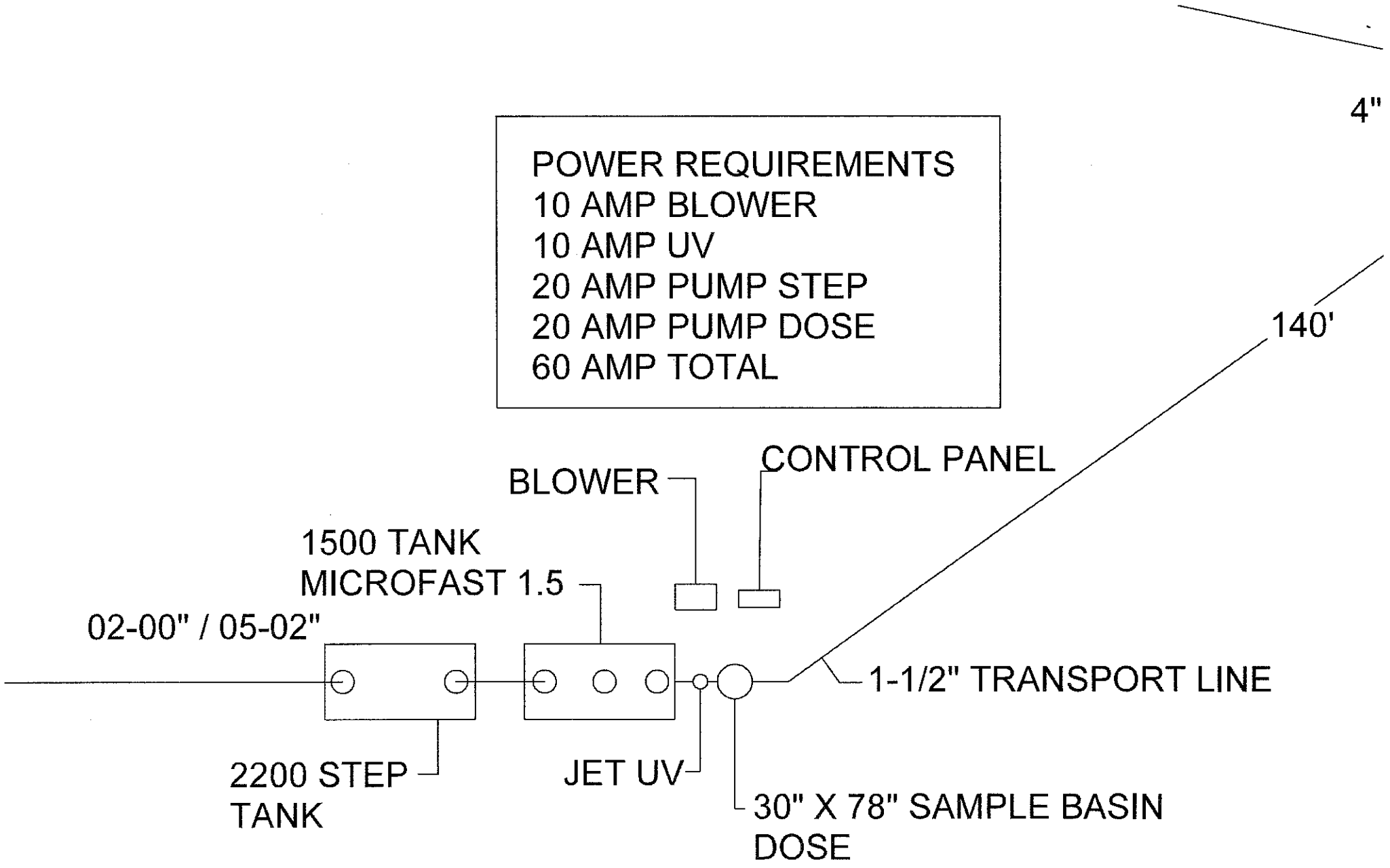
Print Name | Date | Phone Number

21. Approval of Health Authority
The information and specifications in the application has been reviewed and found to meet the requirements of the Arkansas Department of Health Rules and Regulations Pertaining To Onsite Wastewater Systems. A PERMIT FOR CONSTRUCTION is hereby issued.

Environmental Specialist Signature — RS 867 — 10/24/23

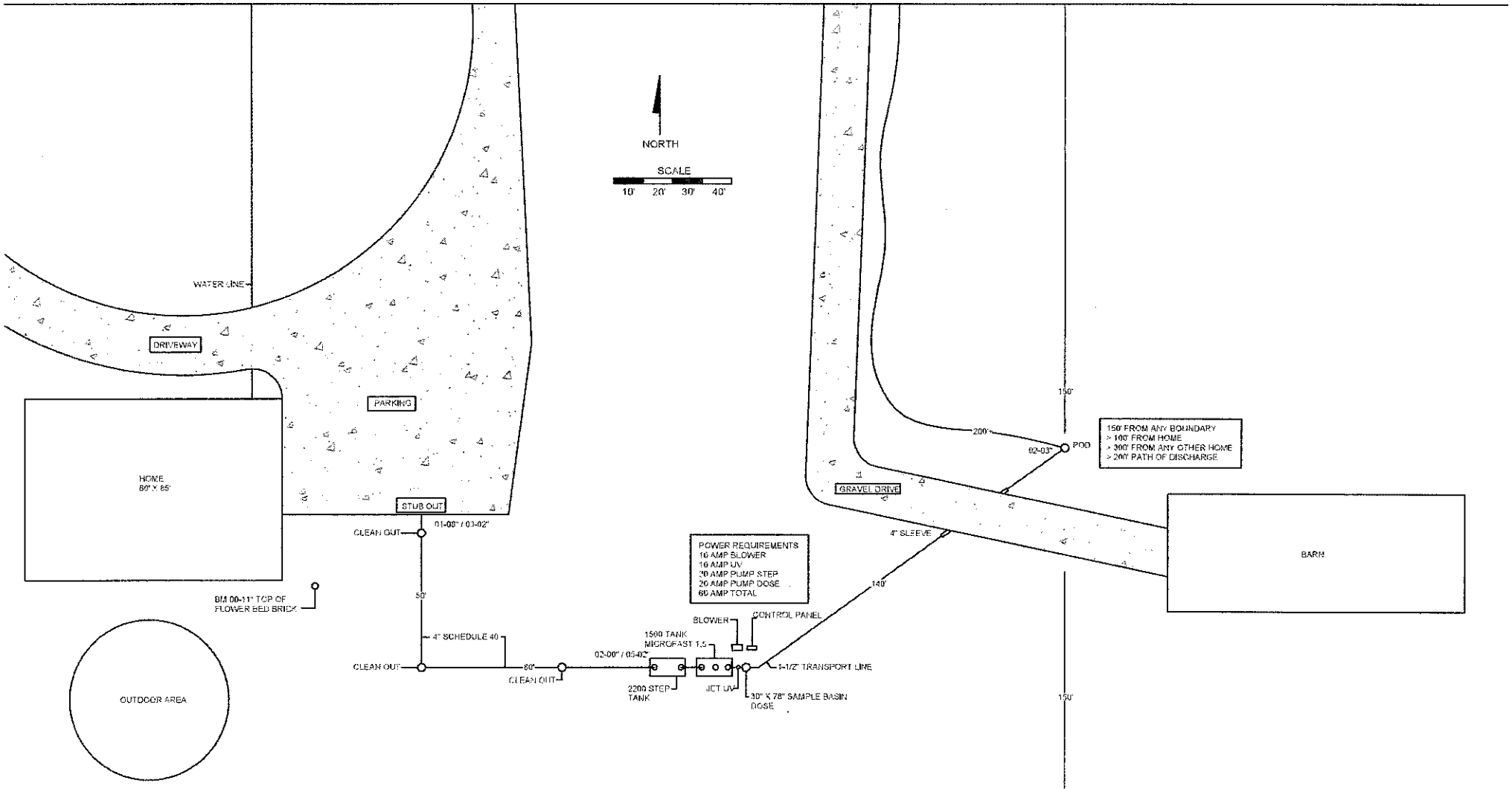
EHS Number — Date

255 10/24/23


4"
POWER REQUIREMENTS
10 AMP BLOWER
10 AMP UV
20 AMP PUMP STEP
20 AMP PUMP DOSE
60 AMP TOTAL
140'
CONTROL PANEL
BLOWER
1500 TANK
MICROFAST 1.5
02-00" / 05-02"
1-1/2" TRANSPORT LINE
2200 STEP
TANK
JET UV
30" X 78" SAMPLE BASIN
DOSE

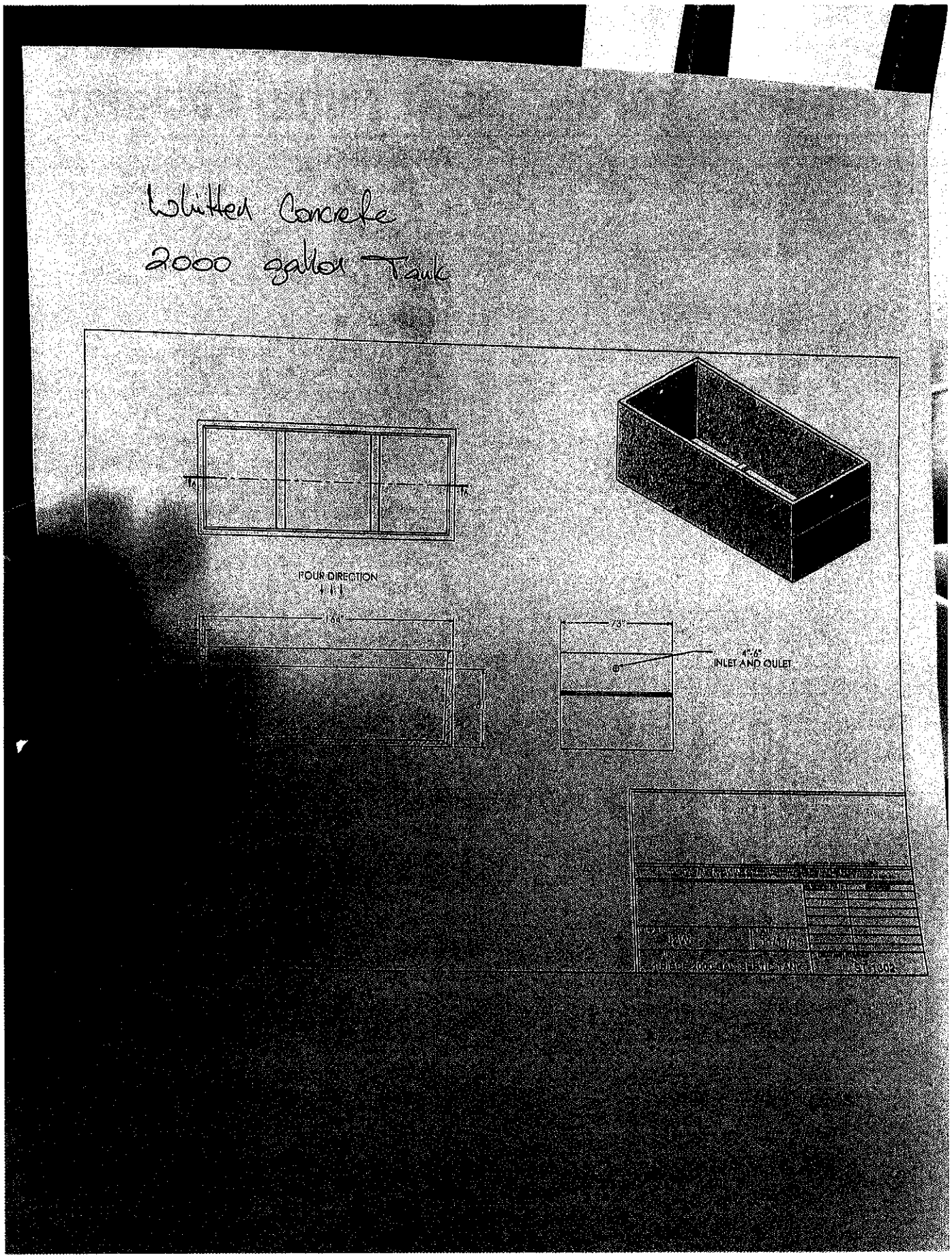
4877 US-64, AUGUSTA, ARKANSAS 72006

744'



374'

374'


Whitten Concrete
2000 gallon Tank
FOUR DIRECTION
4"-6"
INLET AND OULET

Product Code Diagram

BPP - ☐ - ☐ - ☐ - ☐ - ☐ - ☐ BPP-P02-M11-10-SB-68-SD1

Discharge assembly; details:
SD1 = HV100BCFCX; field-cut, 1in PVC, ball valve, check valve, flow control, 10gpm pumps only
SD2 = HV100BCX; field-cut, 1in PVC, ball valve, check valve, 10 or 20gpm pumps
SD3 = HV125BCX; field-cut, 1.25in PVC, ball valve, check valve, 30gpm pumps
SD4 = HV200BCX; field-cut, 2in PVC, ball valve, check valve, 50gpm pumps
CW1 = HV100BCFCX + HVCW100-KIT; field-set, 1in PVC, ball valve, check valve, flow control, 10gpm pumps only
CW2 = HV100BCX + HVCW100-KIT; field-set, 1in PVC, ball valve, check valve, 10 or 20gpm pumps
CW3 = HV125BCX + HVCW125-KIT; field-set, 1.25in PVC, ball valve, check valve, 30gpm pumps
CW4 = HV200BCX + HVCW200-KIT; field-set, 2in PVC, ball valve, check valve, 50gpm pumps
DB1 = HV100B-DB; field-set, ball valve, drainback, 10 or 20gpm pumps
DB2 = HV125B-DB; field-set, ball valve, drainback, 30gpm pumps
DB3 = HV200B-DB; field-set, ball valve, drainback, 50gpm pumps
HD1 = HDA24125FCASLC-FS; field-set, 1.25in hose, flow control, P01 (PF100511CV) pump only
HD2 = HDA24125ASLC-FS; field-set, 1.25in hose, P01 (PF100511CV) pump only
HD3 = HDA24125CFCASLC-FS; field-set, 1.25in hose, check valve, flow control, 10gpm pumps only
HD4 = HDA24125CASLC-FS; field-set, 1.25in hose, check valve, 10, 20, or 30gpm pumps

Pump vault height, in (mm), for 18in (450mm) diameter filter:
48 = 48 (1219) PVU-Series
57 = 57 (1448) PVU-Series
68 = 68 (1727) PVU-Series
60 = 60 (1524) PVP-Series
55 = 55 (1397) PV-Series

Splice box options:
SB = Internal splice box
SX = External splice box

Float switch & pump cord lengths, ft (m):
10 = 10 (3)
20 = 20 (6)

Control panel; float switches:
S11 = S1; 3P
S12 = S1ETMCT; 3P
S13 = S1HR; 2P
S14 = S1PTRO; 2BN
S15 = S1PTROETMCT; 2BN
S16 = S1RO; 3PN
S17 = S1ROETMCT; 3PN
S18 = S1ROETMCTSA; 3PN
S19 = S1ROMTSGR-NC; 3PN
M11 = MVP-S1DM; 3P
M12 = MVP-S1DMHT; 3P
M13 = MVP-S1DMHTSA; 3P
M14 = MVP-S1DMHTMTSGR-NC; 3P
M15 = MVP-S1DM(DEMAND); 3P
M21 = MVP-S2DM; 3P
M22 = MVP-S2DMHT; 3P
M23 = MVP-S2DMHTSA; 3P

Submersible effluent pump model; details:
P01 = PF100511CV; 10gpm (0.6L/sec), 0.50hp (0.37Kw), 120V for HD1 and HD2 only
P02 = PF100511; 10gpm (0.6L/sec), 0.50hp (0.37kW), 120V
P03 = PF100512; 10gpm (0.6L/sec), 0.50hp (0.37kW), 240V
P04 = PF100712; 10gpm (0.6L/sec), 0.75hp (0.56kW), 240V
P05 = PF101012; 10gpm (0.6L/sec), 1.00hp (0.75kW), 240V
P08 = PF200511; 20gpm (1.3L/sec), 0.50hp (0.37kW), 120V
P09 = PF200512; 20gpm (1.3L/sec), 0.50hp (0.37kW), 240V
P10 = PF201012; 20gpm (1.3L/sec), 1.00hp (0.75kW), 240V
P11 = PF300511; 30gpm (1.9L/sec), 0.50hp (0.37kW), 120V
P12 = PF300512; 30gpm (1.9L/sec), 0.50hp (0.37kW), 240V
P13 = PF300712; 30gpm (1.9L/sec), 0.75hp (0.56kW), 120V
P14 = PF301012; 30gpm (1.9L/sec), 1.00hp (0.75kW), 240V
P15 = PF500511; 50gpm (3.2L/sec), 0.50hp (0.37kW), 120V
P16 = PF500512; 50gpm (3.2L/sec), 0.50hp (0.37kW), 240V
P17 = PF500712; 50gpm (3.2L/sec), 0.75hp (0.56kW), 240V
P18 = PF501012; 50gpm (3.2L/sec), 1.00hp (0.75kW), 240V
P90 = PVA100511; 10gpm (0.6L/sec), 0.50hp (0.37kW), 120V
P91 = PVA300511; 30gpm (1.9L/sec), 0.50hp (0.37kW), 120V
P92 = PVA500511; 50gpm (3.2L/sec), 0.50hp (0.37kW), 120V

Biotube® ProPak™

Specifications

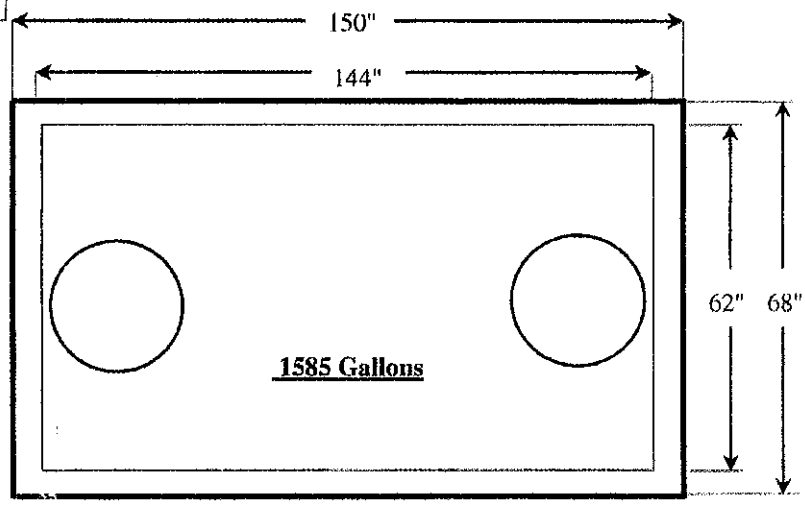
Pump Model	Design gpm (L/sec)	Horsepower (kW)	Phase	Nameplate voltage	Actual voltage	Design flow amps	Max amps	Impellers	Discharge size and material [1]	Length, in. (mm)	Min. liquid level, [2] in. (mm)	Weight, [3] lb (kg)	Rated cycles/day
PF100511	10 (0.6)	0.50 (0.37)	1	115	120	12.7	12.7	6	1 ¼ in. GFP	23.0 (660)	16 (406)	26 (12)	300
PF100511CV	10 (0.6)	0.50 (0.37)	1	115	120	12.7	12.7	6	1 ¼ in. GFP	23.0 (660)	16 (406)	26 (12)	300
PF100512	10 (0.6)	0.50 (0.37)	1	230	240	6.3	6.3	6	1 ¼ in. GFP	23.0 (660)	16 (406)	26 (12)	300
PF10053200	10 (0.6)	0.50 (0.37)	3	200	208	3.8	3.8	6	1 ¼ in. GFP	23.0 (660)	16 (406)	26 (12)	300
PF100712 [4,5]	10 (0.6)	0.75 (0.56)	1	230	240	8.3	8.3	8	1 ¼ in. GFP	25.9 (658)	17 (432)	30 (14)	300
PF10073200 [4,5]	10 (0.6)	0.75 (0.56)	3	200	208	5.1	5.2	8	1 ¼ in. GFP	25.4 (645)	17 (432)	31 (14)	300
PF101012 [5,6]	10 (0.6)	1.00 (0.75)	1	230	240	9.6	9.6	9	1 ¼ in. GFP	27.9 (709)	18 (457)	33 (15)	100
PF10103200 [5,6]	10 (0.6)	1.00 (0.75)	3	200	208	5.5	5.5	9	1 ¼ in. GFP	27.3 (693)	18 (457)	37 (17)	300
PF102012 [5,6,7,8]	10 (0.6)	2.00 (1.49)	1	230	240	12.1	12.1	18	1 ¼ in. SS	39.5 (1003)	22 (559)	48 (22)	100
PF102032 [5,6,8]	10 (0.6)	2.00 (1.49)	3	230	240	7.5	7.6	18	1 ¼ in. SS	37.9 (963)	20 (508)	44 (20)	300
PF10203200 [5,6,8]	10 (0.6)	2.00 (1.49)	3	200	208	8.7	8.7	18	1 ¼ in. SS	37.9 (963)	20 (508)	44 (20)	300
PF150311	15 (1.0)	0.33 (0.25)	1	115	120	8.7	8.8	3	1 ¼ in. GFP	19.5 (495)	15 (380)	23 (10)	300
PF150312	15 (1.0)	0.33 (0.25)	1	230	240	4.4	4.5	3	1 ¼ in. GFP	19.5 (495)	15 (380)	23 (10)	300
PF200511	20 (1.3)	0.50 (0.37)	1	115	120	12.3	12.5	4	1 ¼ in. GFP	22.3 (566)	18 (457)	25 (11)	300
PF200512	20 (1.3)	0.50 (0.37)	1	230	240	6.4	6.5	4	1 ¼ in. GFP	22.5 (572)	18 (457)	26 (12)	300
PF20053200	20 (1.3)	0.50 (0.37)	3	200	208	3.7	3.8	4	1 ¼ in. GFP	22.3 (566)	18 (457)	26 (12)	300
PF201012 [4,5]	20 (1.3)	1.00 (0.75)	1	230	240	10.5	10.5	7	1 ¼ in. GFP	28.4 (721)	20 (508)	33 (15)	100
PF20103200 [4,5]	20 (1.3)	1.00 (0.75)	3	200	208	5.8	5.9	7	1 ¼ in. GFP	27.8 (706)	20 (508)	33 (15)	300
PF201512 [4,5]	20 (1.3)	1.50 (1.11)	1	230	240	12.4	12.6	9	1 ¼ in. GFP	34.0 (864)	24 (610)	41 (19)	100
PF20153200 [4,5]	20 (1.3)	1.50 (1.11)	3	200	208	7.1	7.2	9	1 ¼ in. GFP	30.7 (780)	20 (508)	35 (16)	300
PF300511	30 (1.9)	0.50 (0.37)	1	115	120	11.8	11.8	3	1 ¼ in. GFP	21.3 (541)	20 (508)	28 (13)	300
PF300512	30 (1.9)	0.50 (0.37)	1	230	240	6.2	6.2	3	1 ¼ in. GFP	21.3 (541)	20 (508)	25 (11)	300
PF30053200	30 (1.9)	0.50 (0.37)	3	200	208	3.6	3.6	3	1 ¼ in. GFP	21.3 (541)	20 (508)	25 (11)	300
PF300712	30 (1.9)	0.75 (0.56)	1	230	240	8.5	8.5	5	1 ¼ in. GFP	24.8 (630)	21 (533)	29 (13)	300
PF30073200	30 (1.9)	0.75 (0.56)	3	200	208	4.9	4.9	5	1 ¼ in. GFP	24.6 (625)	21 (533)	30 (14)	300
PF301012 [4]	30 (1.9)	1.00 (0.75)	1	230	240	10.4	10.4	6	1 ¼ in. GFP	27.0 (686)	22 (559)	32 (15)	100
PF30103200 [4]	30 (1.9)	1.00 (0.75)	3	200	208	5.8	5.8	6	1 ¼ in. GFP	26.4 (671)	22 (559)	33 (15)	300
PF301512 [4,5]	30 (1.9)	1.50 (1.11)	1	230	240	12.6	12.6	8	1 ¼ in. GFP	32.8 (833)	24 (610)	40 (18)	100
PF30153200 [4,5]	30 (1.9)	1.50 (1.11)	3	200	208	6.9	6.9	8	1 ¼ in. GFP	29.8 (757)	22 (559)	34 (15)	300
PF301534 [4,5]	30 (1.9)	1.50 (1.11)	3	460	480	2.8	2.8	8	1 ¼ in. GFP	29.5 (685)	22 (559)	34 (15)	300
PF302012 [5,6,7]	30 (1.9)	2.00 (1.49)	1	230	240	11.0	11.0	10	1 ¼ in. SS	35.5 (902)	26 (660)	44 (20)	100
PF30203200 [5,6]	30 (1.9)	2.00 (1.49)	3	200	208	9.3	9.3	10	1 ¼ in. SS	34.0 (864)	24 (610)	41 (19)	300
PF303012 [5,6,7,8]	30 (1.9)	3.00 (2.23)	1	230	240	16.8	16.8	14	1 ¼ in. SS	44.5 (1130)	33 (838)	54 (24)	100
PF303032 [5,6,8]	30 (1.9)	3.00 (2.23)	3	230	240	10.0	10.1	14	1 ¼ in. SS	44.3 (1125)	27 (686)	52 (24)	300
PF305012 [5,6,7,8]	30 (1.9)	5.00 (3.73)	1	230	240	25.6	25.8	23	1 ¼ in. SS	66.5 (1689)	53 (1346)	82 (37)	100
PF305032 [5,6,8]	30 (1.9)	5.00 (3.73)	3	230	240	16.6	16.6	23	1 ¼ in. SS	60.8 (1544)	48 (1219)	66 (30)	300
PF30503200 [5,6,8]	30 (1.9)	5.00 (3.73)	3	200	208	18.7	18.7	23	1 ¼ in. SS	60.8 (1544)	48 (1219)	66 (30)	300
PF500511	50 (3.2)	0.50 (0.37)	1	115	120	12.1	12.1	2	2 in. SS	20.3 (516)	24 (610)	27 (12)	300
PF500512	50 (3.2)	0.50 (0.37)	1	230	240	6.2	6.2	2	2 in. SS	20.3 (516)	24 (610)	27 (12)	300
PF500532	50 (3.2)	0.50 (0.37)	3	230	240	3.0	3.0	2	2 in. SS	20.3 (516)	24 (610)	28 (13)	300
PF50053200	50 (3.2)	0.50 (0.37)	3	200	208	3.7	3.7	2	2 in. SS	20.3 (516)	24 (610)	28 (13)	300
PF500534	50 (3.2)	0.50 (0.37)	3	460	480	1.5	1.5	2	2 in. SS	20.3 (516)	24 (610)	28 (13)	300
PF500712	50 (3.2)	0.75 (0.56)	1	230	240	8.5	8.5	3	2 in. SS	23.7 (602)	25 (635)	31 (14)	300
PF500732	50 (3.2)	0.75 (0.56)	3	230	240	3.9	3.9	3	2 in. SS	23.7 (602)	25 (635)	32 (15)	300

Orenco Systems® Inc., 814 Airway Ave., Sutherlin, OR 97479 USA • 800-348-9843 • 541-459-4449 • www.orenco.com

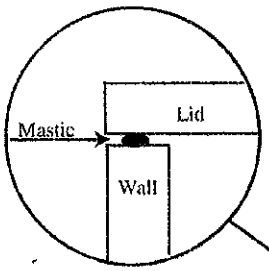
1500 – Gallon Single Compartment Septic Tank

TOP VIEW

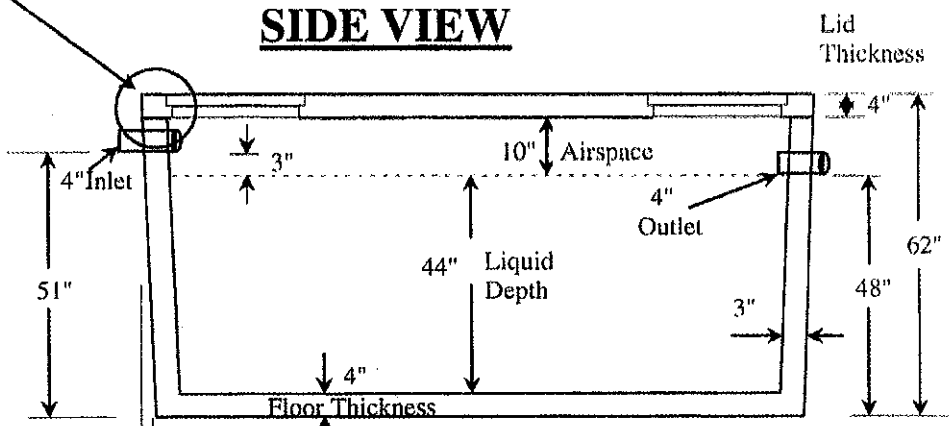
Drawings Not To Scale



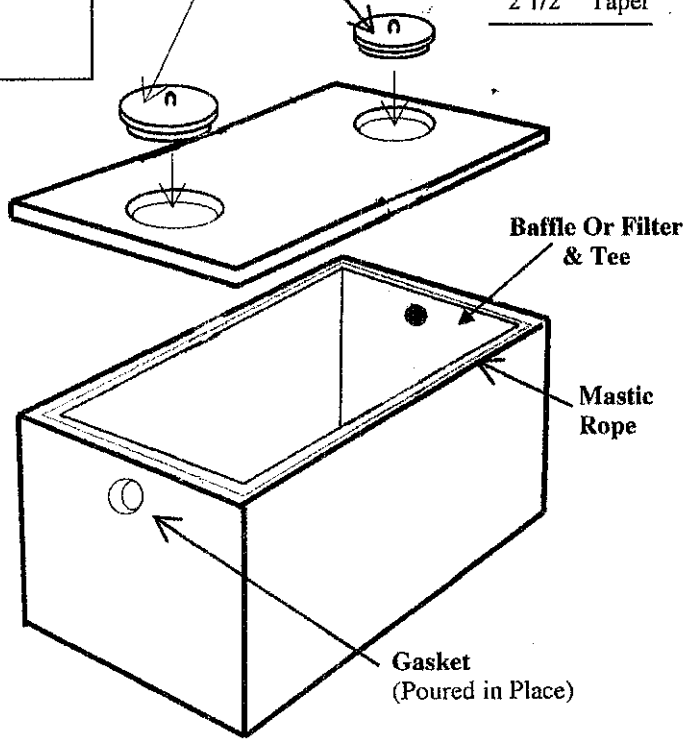
Enlarged Detail



SIDE VIEW



Manhole Lids/Openings



WHITTEN CONCRETE CO.
2703 W. 2nd AVE.
PINE BLUFF, AR. 71601
PHONE: 870-534-6901
FAX: 870-534-6902

1500 – Gallon Single Compartment Septic Tank
Drawing #: DZ-2
Drawing by: SMR **Date: 1/19/2011**

Specifications for MicroFAST 1.50 Wastewater Treatment System

1. GENERAL

The contractor shall furnish and install (1) MicroFAST®1.50 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 FAST® system insert, leg extensions, or lid, blower assembly, blower controls and alarms. All other items will be provided by others. The MicroFAST 1.50 unit shall be situated within a 1125 gallon [4200 L] 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 tank and FAST system suppliers as well as the installation of the FAST unit, and delivery to the job site.

2. OPERATING CONDITIONS

The MicroFAST 1.50 treatment system shall be capable of treating the wastewater produced by typical family activities (bath, laundry, kitchen, etc.) ranging from (6) six to (21) twenty-one people and not to exceed 1500 US Gallons per day (5600 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.

3. MEDIA

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.

4. BLOWER

The MicroFAST 1.50 unit shall come equipped with a regenerative type blower capable of delivering 20-45 CFM [38-85 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 must not set in standing water and its elevation must be higher than the normal flood level. A two-piece, rectangular housing shall be provided. The discharge air line from the blower to the MicroFAST System, shall be provided and installed by the contractor.

6. ELECTRICAL

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, 5/2.5 FLA, on 50 Hz electrical systems 220VAC, 1Ø, 5.7 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 with 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 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 1.5 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.

9. FLOW AND DOSING

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 7.8 gpm (28 Lpm) with a maximum hourly flow not to exceed 10% of the design daily flow (150 gph (570 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 operated 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.'s factory 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 filters or bulbs shall be borne by the owner. This warranty does not cover general system misuse, aerator components which have been damaged by flooding or any components that have been disassembled by unauthorized persons, improperly 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. reserves the right to revise, change or modify the construction and/or design 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 incidental 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
[± 0.05 CM/CM]

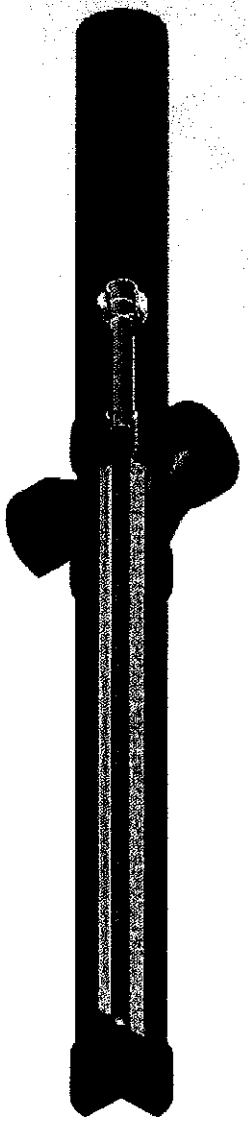
BIO MICROBICS
BETTER WATER. BETTER WORLD.

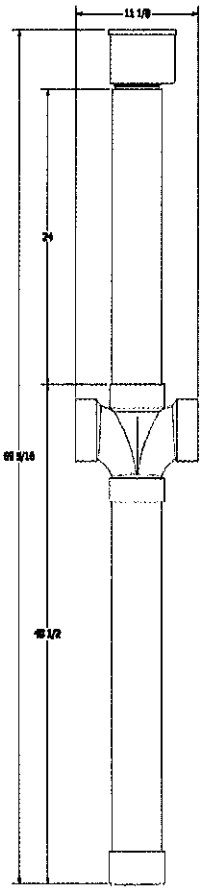
MicroFAST 1.50 FAST Unit

WEIGHT	lb	SIZE	DRAWING NUMBER		
	NAME / DATE	A	MicroFAST® 1.50 Specifications		SHEET 3 OF 4
DRAWN	12/18/2006				
CHECKED PF	9/18/2013		REVISED 9/18/2013	REV.	

Jet®
Wastewater Treatment Solutions
Founded on Innovation. Anchored by Service.®

Illumi-Jet UV Disinfection Unit®





Designed to disinfect the effluent from advanced onsite treatment systems, the model Illumi-Jet is capable of reducing fecal coliform bacteria levels to well below the most stringent U.S. treatment standards. The Illumi-Jet utilizes a germicidal lamp which emits 95% of the ultraviolet energy at the wavelength of 254 nanometers. This wavelength is in the region of maximum germicidal effectiveness and is highly lethal to virus, bacteria, protozoa and mold. The disinfection chamber couples directly to any system's 4" discharge pipe and is permanently installed below grade. When fully inserted, the lamp housing is properly positioned by an integrated keyway near the top of the disinfection chamber. This creates a well defined flow path ensuring system effluent has the proper ultraviolet exposure time. Under standard operating conditions, fecal coliform reduction exceeds 99.9%.

Parameter	Specification
UV Lamp	GPH793T5
UV Dose at 10 GPM	64,000 µW at 0-4cm
Lamp Wattage	37
Ballast Type	WH3-120-C
Voltage	120 VAC
Frequency	50/60 HZ
Current	0.4 A
Power	40 W
Alarm Contacts	NC/NO
Indicator Light	Green LED
Enclosure Type	NEMA 6P
Unit Height	53" - 70"
Connections	4"
Material	ABS
Reservoir Capacity	~2 Gallon
Max. Flow Rate	10 GPM
Min. Influent Quality	30 TSS / 30 BOD

DANGER: Ultraviolet Radiation. Disconnect Power Before Replacing Lamp

WARNING: Electric Shock Risk. Disconnect Power Before Servicing

FOR OUTDOOR USE ONLY!

c UL us LISTED

Electrical Ratings

Voltage:	120 VAC
Frequency:	50/60 Hz
Current:	0.4 Amp
Power:	40 Watts

Manufacturing Data

Model Number:	982
UV Lamp Model:	9521001
Maximum Lamp Wattage:	37 Watts

Patent Pending

MADE IN THE U.S.A.

Jet Inc. 750 Alpha Drive Cleveland, OH 44143 www.jetincorp.com 800.321.6960

Your Peace of Mind is Our Top Priority®

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.

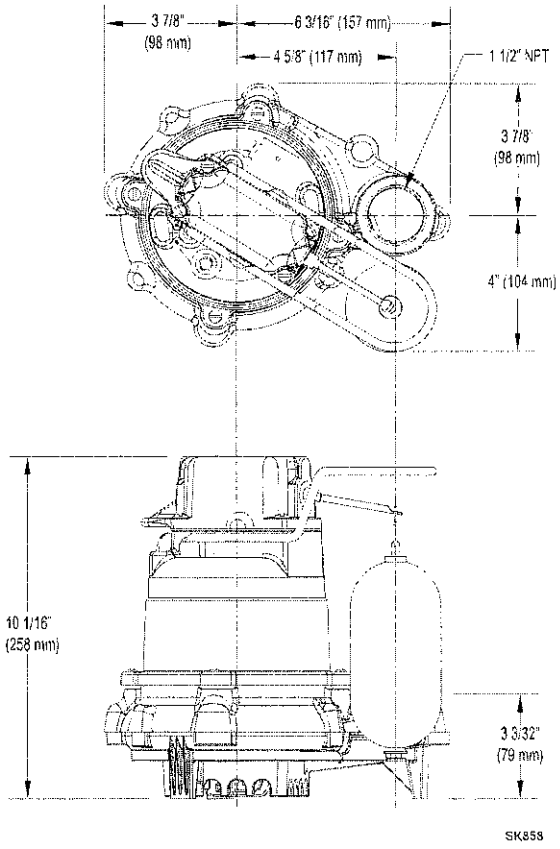
ZOELLER®
PUMP COMPANY
Zoeller Family of Water Solutions

SECTION: 2.15.020
FM2778
0515
Supersedes
0315

TECHNICAL DATA SHEET
MIGHTY-MATE SERIES
Cast Iron Models 53, 57 and Bronze Models 55, 59
Submersible Effluent / Dewatering Pumps

PRODUCT SPECIFICATIONS

MOTOR	Horse Power	3/10
	Voltage	115 or 230
	Phase	1 Ph
	Hertz	60 Hz
	RPM	1550
	Type	Shaded pole
	Insulation	Class B
	Amps	4.8 - 9.7
PUMP	Operation	Automatic or nonautomatic
	Auto On/Off Points	7-1/4" (18.4 cm) / 3" (7.6 cm)
	Discharge Size	1-1/2" NPT
	Solids Handling	1/2" (12 mm) spherical solids
	Cord Length	9' (3 m) automatic, 15' (5 m) nonautomatic
	Cord Type	UL listed, 3-wire, grounded plug
	Max. Head	19.25' (5.9 m)
	Max. Flow Rate	43 GPM (163 LPM)
	Max. Operating Temp.	130° F (54° C)
	Cooling	Oil filled
	Motor Protection	Auto reset thermal overload
MATERIALS	Cap	Cast iron or bronze
	Motor Housing	Cast iron or bronze
	Pump Housing	Cast iron or bronze
	Base	Cast iron, bronze or engineered thermoplastic
	Upper Bearing	Sleeve bearing
	Lower Bearing	Sleeve bearing
	Mechanical Seals	Carbon and ceramic
	Impeller Type	Non-clogging vortex
	Impeller	Plastic, cast iron or bronze
	Hardware	Stainless steel
	Motor Shaft	AISI 1215 cold rolled steel
	Gasket	Neoprene



SK858

NOTE: See model comparison chart for specific details.

Tested to Standard UL778 and Certified to CSA Standard C22.2 No. 108

SSPMA

POWDER COATED TOUGH

502-778-2731 | 800-928-7867 | 3649 Cane Run Road | Louisville, KY 40211-1961 | www.zoeller.com

Contract Number: Hopkins

SERVICE AND MAINTENANCE CONTRACT

1. **Parties.** This contract ("Agreement" or "Contract") is between Meinco Septic Systems, Inc., ("Meinco") and Mark & Christy Hopkins, ("Client"), referred to individually as a "Party" and collectively as the "Parties."

2. **Service Location.** This is a Contract for septic system service and maintenance services provided by Meinco for Client located at 4877 US-64, Augusta, Arkansas 72006, hereinafter referred to as the "Service Site."

3. **Service Fees.** Client agrees to pay Meinco One Hundred Seventy Five ($175.00) for septic system service and maintenance specifically work performed every Three Months (Quarterly) and described more specifically below (hereinafter referred to as "Service Work"). Meinco and Client agree that the invoiced amount is good consideration for this Contract and the services set forth below and reflects the bargained for terms of this agreement.

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.

5. **Laboratory Fees.**
   - A) ☐ This paragraph is inapplicable.
   - B) ☑ Client agrees that Meinco will use a third party laboratory, Arkansas Analytical, for any sampling that is required under this Contract. In such event, Meinco shall submit to Client a laboratory fee of $175.00 and Client will promptly pay the same.

6. **Services Provided.** Meinco agrees to provide the following Service Work to the Client and the Service Site:
   - A) Maintenance requirements, including review of system components and their working condition, monitoring of solid levels to determine system efficiency, and periodic cleaning of system filters or media.
   - B) I. ☑ This paragraph is inapplicable.
     II. ☐ Necessary sampling and submission of paperwork every ___ month(s) or as required to comply with the Arkansas Department of Health Onsite Maintenance Program.
   - 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.
   - D) I. ☐ This paragraph is inapplicable.
     II. ☑ Sampling of discharge every 6 month(s) in coordination with a 3rd party laboratory for required laboratory tests.

7. **Contract Duration.** This contract shall be for a period of 24 month(s) from the date this Contract is executed by the parties on page 2

8. **Flow Requirements.** This contract shall be null and void if septic system flow exceeds 1500 gallons per day.

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 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.

10. **Access to System.** Client agrees to provide Meinco access to the septic system as well as its parts and components.

11. **Termination by Client.** Client may terminate this contract by providing thirty (30) days written notice to Meinco.

12. **Termination by Meinco.** Notwithstanding, and in addition to, any other provision or term in this Contract, **MEINCO MAY TERMINATE THIS CONTRACT AT ANY TIME AND WITHOUT PREVIOUS NOTICE TO CLIENT.**

13. **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.

14. **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, 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 liable, regardless of whether or not such injury, claim damage, 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.

...ment of Health
...s 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:

1. 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.
3. 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: Christy Hopkins (Property Owner) SIGNED: _____ (Health Department)

DATE: 10-13-23 DATE: _____

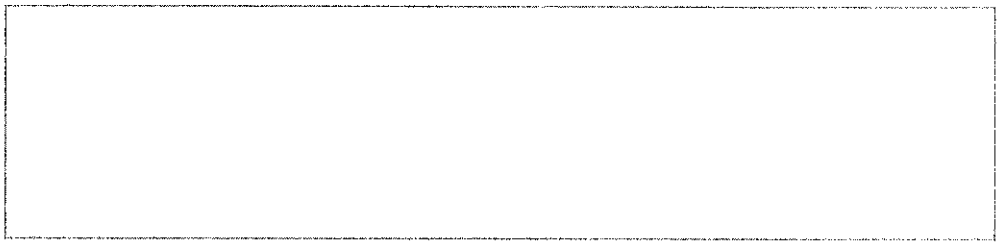
EHP-35 (R 1/13)

bing maps

A Woodruff County Health Unit, 623 N 9th St, Augusta, AR 72006

B 4877 Highway 64 E, Augusta, AR 72006, United States

3 min , 1.4 miles
Light traffic
Via Magnol a St, US-64 E



A Woodruff County Health Unit

↑	1.	Head **north** on **N 9th St** toward Magnolia St	210 ft
↱	2.	Turn **right** onto **Magnolia St**	0.2 mi
↱	3.	Turn **right** onto **US-64 E / AR-33 / Shell St**	1.2 mi
	4.	Arrive at **US-64 E / US Highway 64** on the right The ast intersection before your destination is AR-33 / State Highway 33 If you reach County Road 221, you've gone too far	

B 4877 Highway 64 E, Augusta, AR 72006, United States

Date: 10/24/2023

Arkansas
Department of Health
Keeping Your Hometown Healthy

SEPTIC TANK PERMIT

Customer Name: DAVID MEINTS
Customer No: 7601055547

Transaction Date: 10/24/2023
Transaction No: 26291593 Created By: jrshanks

Amount Received: $30.00 Payment Method: Check No. 8351

Paid By: David Meints

Owner's Name:	Mark and Christy Hopkins
Site Location:	4877 US 64 Augusta AR 72006
Subdivision:	N/A
Lot Number:	N/A
Desiginated Rep:	198 DAVID MEINTS
Sanitarian:	Flowers, Joshua

Thank you for your payment

Woodruff County Health Unit - Augusta
PO Box 542

Augusta AR 72006

Hopkins Residence

4877 US 64
Augusta, Ar 72006

Legend

64

POE

U.S. Hwy 64

POD

4877 US-64

N

100 ft

Google Earth