22-1019



STATE OF FLORIDA DEPARTMENT OF HEALTH ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM CONSTRUCTION PERMIT

RECEIPT #: 28

PERMIT NO.

DATE PAID: (2-20.

Ichetucknee EH OSTDS permit app.doc

	STRUCTION PERMI New System Repair	[]	ngineered - ATU Existing System Abandonment	[]	Holding Tank Temporary	[] [X]	
APPL	ICANT: State						
AGEN PROP			D. Repasky, PE 003 US Highway 27, Fo			EPHONE	: 850-251-7743
LOT:		BLOCK:	SUBDI	VISION:	Metes/bounds		
PROP	PERTY ID #: _2	4-6S-15-00	515-000		[SECTION, TOWNSHIP [OR TAX ID NUMBER]	, RANGE,	PARCEL NUMBER]
SYST	EM MUST BE CONS	TRUCTED IN	ACCORDANCE WITH SP	ECIFICAT	IONS AND STANDARDS	S OF SI	ECTION 381.0065
F.S.	, AND CHAPTER	62-6, F.A.C	. DEPARTMENT APPR	OVAL OF	SYSTEM DOES NOT	GUARAN	TEE SATISFACTOR
			PERIOD OF TIME. A				
			MIT, REQUIRE THE AF				
		The same of the sa	IIS PERMIT BEING MAI COMPLIANCE WITH OTH				
	DEVELOPMENT OF			EK FEDER	CALL, STATE, OR LOC	AL PER	MITTING REQUIRES
						-	
SYST	TEM DESIGN AND	SPECIFICA!	TIONS				
			C TANK/AEROBIC UN				
A []	1500] * GALLONS	GPD AEROE	BIC UNIT CAPACITY	2 in 135	0 gals. MULTI-C	HAMBER	RED/IN-SERIES
			TERCEPTOR CAPACIT				
K [3	3518] GALLONS	DOSING TA	NK CAPACITY	2 ZONES	x [300] GALS. @ [5] I	DOSES	DAY # PUMPS
		*****	*SEE PAGE 2 FOR AL	DITIONA	L TANK INFO****	****	
Carlo			Y DRAINFIELD SYSTE	EM			
-] SQUARE F	EET	SYSTEM				
			ARD [] FILLED				
N			H [] BED	Alexander and the second			
F T.	OCATION OF BEN	CHMARK.	Fir /c:	= 46.50	,		
I EI	LEVATION OF PRO	POSED SYSTE			[ABOVE/BELOW] B	ENCHMAR	K/REFERENCE POI
E BO	OTTOM OF DRAIN				[ABOVE/BELOW] B		
L F	ILL REQUIRED:	[0] INCHES			RED: [0] INCHES		
D							
			ign. See Engine				
			ied to install	of PBTS	components in	this	system by the
	gineer (or man			-	4 /0 0 /4		
	croFAST 1.5		SLOWER: [34-40] CF		1/2-3/4 HP	2"	PVC BLOWER P
			for ATU or PBTS render 62-6, Part(s				
			DOH only. PROPER			milet c	ontact all oth
			ng departments B				Engineer is
			mply withmoules				The second secon
	dinances.	// /	WAK D. REPATIL				
	///	Innly	LINA CENSE TE	rev dat	e 3/8/23:		
	CATIONS BY! Mai	k D. Repa		clarify	National Control of the Control of t	E: PE	0036872 SR0011
CIFIC			Street, Tallahass	ēe, Flo		1 -	
CIFIC	1 2 2001						
ROVED	BY: Sallie	ford		ETLE: E	inv. Health nice		Columbia
ROVEL	BY: SUED: 4.12-23	Ford	STATE OF T		EXPIRATIO		
ROVED E ISS	BY: SUED: 4.12-23	Ind			EXPIRATIO		

ENGINEER'S ADDITIONAL INSTALLATION SPECIFICATIONS

CONSTRUCTION PERMIT FOR: 11627 SW US Highway 27, Fort White, FL 32038 24-68-15-00515-000 Engineered - ATU 3000 gpd ALSO SEE PERMIT APPLICATION DRAWINGS AND NOTES.

Property owner/Contractor/Installer must request bid documents from Engineer.

ENGINEER MUST APPROVE ANY AND ALL SUBSTITUTIONS PRIOR TO CONSTRUCTION [6.004(4)].

PROPERTY OWNER or Contractor must contact local Underground Utility Locator and have all onsite underground utilities located prior to any excavation/site preparation. Engineer and/or Installer assume no responsibility for damage to underground utilities.

Connections of electrical components to power supply requires properly licensed/insured electrician. Connection of building sewer to inlet of first tank requires properly licensed/insured plumber. Other trades work may be required; ensure licensure/insurance prior to commencement of work.

Maintain 200 ft from all public wells with flow of 2000 gallons per day or more.

Roof and lot drainage shall be directed away from system area.

Installer is responsible for installing the minimum category of tank in accordance with 62-6.013(3)(f), FAC.

Installation must have minimum 42" suitable soil below bottom of drainfield.

Installation must have minimum 24" separation between bottom of drainfield and ESHW.

Bottom of drainfield infiltrative surface must be no more than 30" below finished grade.

Engineer or his designated representative shall be notified prior to health department final inspection.

Requires design engineer to certify that the installed system complies with the approved design and installation requirements. [62-6.003(2)(c)1. and 62-6.004(4)]

ENGINEER-APPROVED EQUIPMENT

Manufacturer/Supplier	Material	Function	Engineer Spec	Tank #-Category
Florida Septic, Inc.	Concrete	Pretreatment tank	2800 effective gallons	01-011-52D-C4
Goulds	N/A	Lift Pump	WS0311B	if applicable
Bonded Septic Tank	Concrete	Treatment tanks (2)	1350 effective gallons	09-030-BM1S-C3
Wastewater Technologies, Inc.	plastic	Treatment units (2)	MicroFAST 1.5	
Florida Septic, Inc.	Concrete	Dosing tank	3518 total gallons	01-011-52P-C4
Orenco, Inc.	N/A	Dosing Pump	WS0511B or WS0712B	

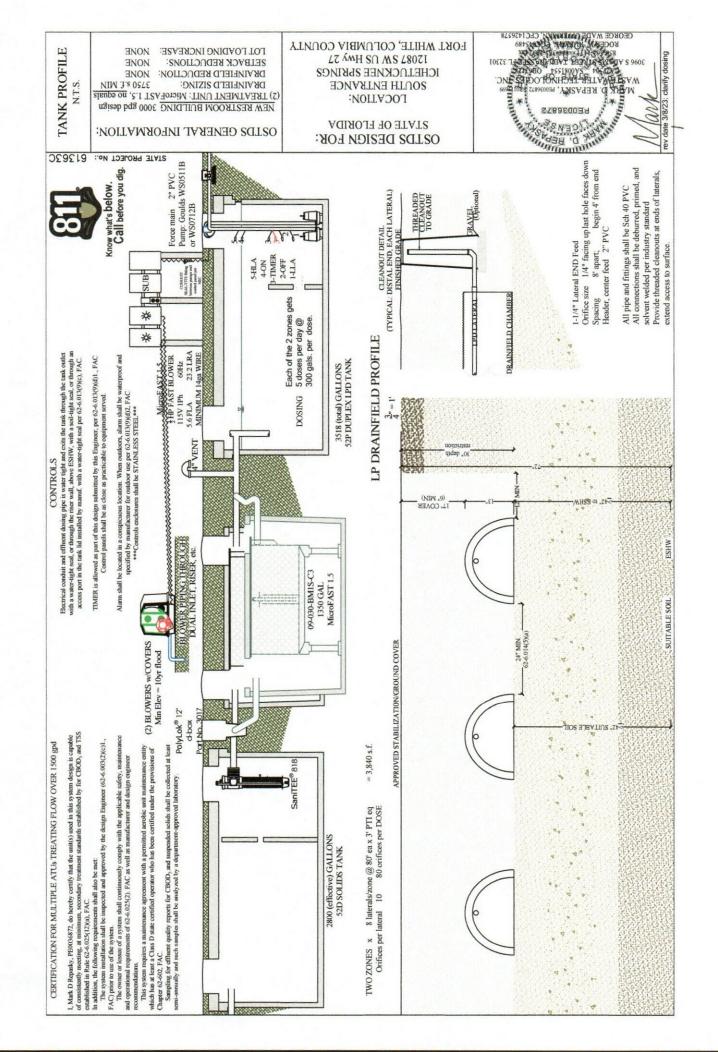
SPECIFICATIONS BY: k D. Repasky

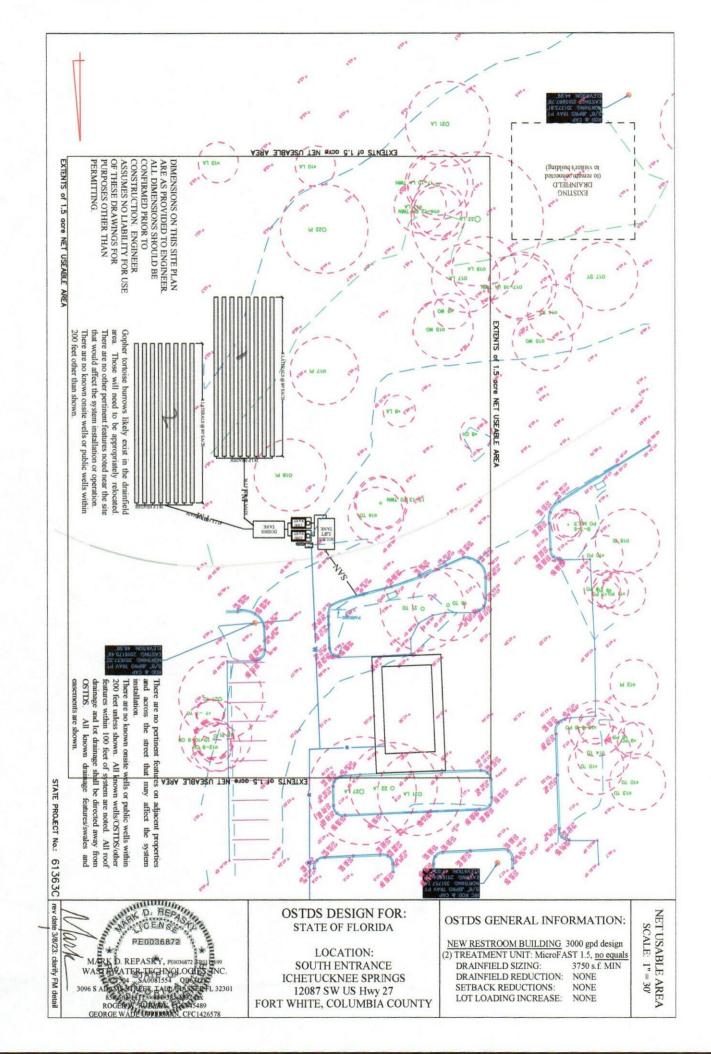
15 November 2022 TITLE: PE0036872 SR00111699

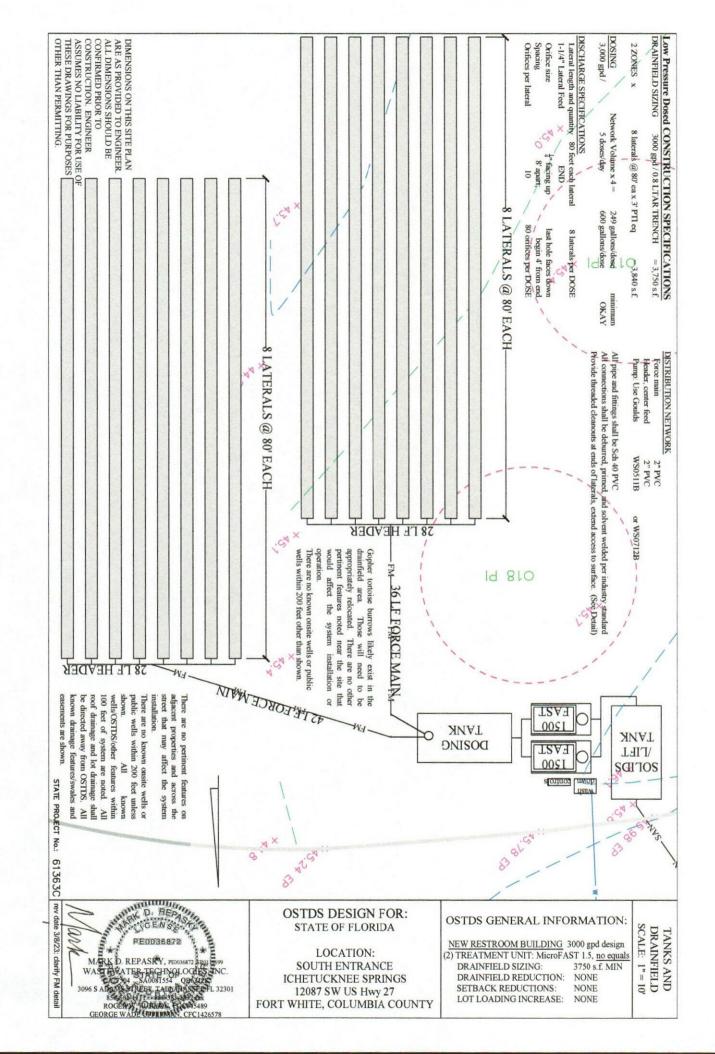
Ichetucknee EH OSTDS permit app.doc

S Adams Street

Tablahasses, Florida 32301 ONAL EN







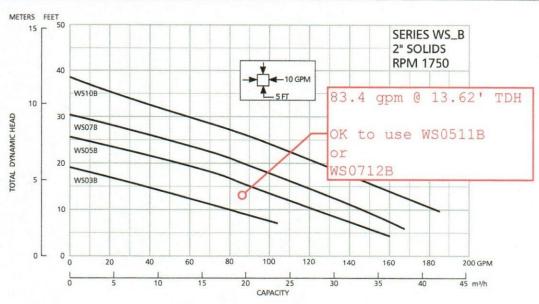


ICHETUKNEE PUMP CURVE & PUMP OPTIONS

GOULDS PUMPS Wastewater

MODELS

ORDER	110	DUACE	VOLTE	DDM	IMPELLER	MAX	LDA	KVA	FULL LOAD	RESI	STANCE	WT
NUMBER	HP	PHASE	VOLTS	KPIVI	DIA. (in.)	AMPS	LRA	CODE	MOTOR EFF.	START	LINE-LINE	(LBS.)
WS0311B			115			10.7	30.0	M	54	11.9	1.7	
WS0318B	0.33		208		4.69	6.8	19.5	K	51	9.1	4.2	63
WS0312B		1	230			4.9	14.1	L	53	14.5	8.0	
WS0511B	1.08	1	115			14.5	31.1	J	55	9.3	1.4	
WS0518B			208			8.0	19.5	K	51	9.1	4.2	
WS0512B			230			7.3	16.5	J	54	11.7	5.6	
WS0538B	0.5		200		5.00	3.8	12.3	K	75	NA	6.7	65
WS0532B		3	230			3.3	9.7	K	75	NA	9.9	
WS0534B			460			1.7	4.9	K	75	NA	39.4	
WS0537B			575			1.4	4.3	K	68	NA	47.8	
WS0718B		1	208	1750		11.0	39.0	K	65	2.6	1.4	
WS0712B			230	1730		9.4	24.8	J	57	4.8	2.3	
WS0738B	0.75		200		5.38	4.1	21.2	Н	74	NA	4.3	
WS0732B	0.75	3	230		3.30	3.6	17.3	J	76	NA	5.6	
WS0734B			460			1.8	8.9	J	76	NA	22.4	
WS0737B			575			1.5	7.3	J	71	NA	29.2	85
WS1018B		1	208			14.0	39.0	K	65	2.6	1.4	65
WS1012B			230			12.3	30.5	Н	60	4.3	1.8	
WS1038B	1		200		5.75	6.0	21.2	Н	74	NA	4.3	
WS1032B		3	230		3.73	5.8	17.3	J	76	NA	5.6	
WS1034B			460			2.9	8.9	J	76	NA	22.4	
WS1037B			575			2.4	7.3	J	71	NA	29.2	

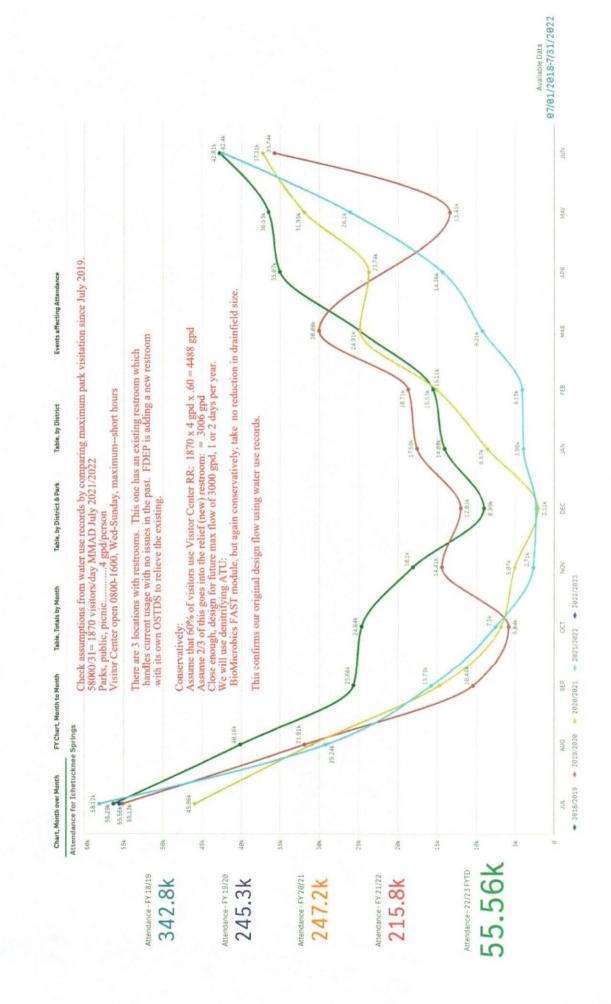


By Friscal Year (I

By Calendar Year (CY)

Rolling 12 Months

values. To save selections, click the green check mark. To delete selections, click the Clear all Filters button at top right. To export data, right-click and choose Download as... Data and then click on the generated hyperlink to open the download What are the details for the most recent 5 years of attendance by month? There are charts and tables by FY, CY or rolling 12 month periods below. Change between these options by using buttons at left. Click on the Tab name to change; the current visualization (table or chart) is highlighted/underlined. The KPI figures update as data is filtered. To filter the data by Park, District, etc., click on any of those fields in the Filter at right and make your selections by clicking one or more file. File will open in Excel.





STATE OF FLORIDA DEPARTMENT OF HEALTH ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM APPLICATION FOR CONSTRUCTION PERMIT Ichetucknee EH OSTDS permit app.doc

PERMIT NO. 20 - 1019 DATE PAID:

FEE PAID: RECEIPT #:

APPLICATION FOR:	Engineered - ATU				
	[] Existing System		Holding Tank	[] Innovat	ive
[] Repair	[] Abandonment	1] Temporary	[] _	
MAILING ADDRESS:	eer) Mark D. Repasky, 3096 S Adams Street,	Tallahassee,	Florida 32301		
TO BE COMPLETED IN BY A PERSON LICE APPLICANT'S RESPONDED IN THE PROPERTY OF T	BY APPLICANT OR APPLICANSED PURSUANT TO 489. ONSIBILITY TO PROVIDE () IF REQUESTING CONSI	ANT'S AUTHOR 105(3)(m) O DOCUMENTAT: DERATION OF	RIZED AGENT. SY R 489.552, FLOR TON OF THE DATE STATUTORY GRANDI	STEMS MUST BE IDA STATUTES. THE LOT WAS FATHER PROVISION	CONSTRUCTED IT IS THE CREATED OF
PROPERTY INFORMAT	rion				
LOT: _ BLOCK	C: _ SUBDIVISION: Me	etes/bounds			PLATTED:
PROPERTY ID #: 24	4-6S-15-00515-000 ZG	NING: State	Park I/	/M OR EQUIVALED	NT: [Y / N]
PROPERTY SIZE: 13	30 ACRES WATER ST	JPPLY: [] P	RIVATE PUBLIC	[] <2000gpd [:	X] >2000gpd
IS SEWER AVAILABI	LE AS PER 381.0065, FS	P [Y / N]	1	DISTANCE TO SE	WER: N/A FT
	: 11627 SW US Highway 2				
DIRECTIONS TO PRO	OPERTY: Ichetucknee Spi	rings south	entrance		
BUILDING INFORMAT	TION: [] Resid	dential	[x] Comme	ercial	
Unit Type of No Establishment	No. of Bedrooms	Building Area Sqft	Commercial/Instit	tutional System Des 62-6, FAC	ign
1 Visitors Center	restrooms		see cover page; 3	3000 gpd per Engin	eers
2					
3					
4					
[] Floor/Equipmen	nt Drains [] Other	(Specify):			

SIGNATURE:

SR00111699

DATE : establishment

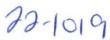
MARK D. REPASKY, PE 0036872, 3096 3 Adams Street, TALLAHASSEE, FLORIDA 32301
DH 4015, 08/09 (Obsoletes previous editions which may not be used)
Incorporated 62-6.001, (FAC)

Page 1 of 4

STATE OF FLORIDA DEPARTMENT OF HEALTH APPLICATION FOR CONSTRUCTION PERMIT

22-1019

Permit Application Number Ichetucknee EH OSTDS permit app.doc --- PART II - SITEPLAN -----State of Florida Scale: Each block represents 10 feet and 1 inch = 40 feet. See attached 11x17 for scaled site plan LIFT 8 LATERALS @ 80' EACH **■**S1 8 LATERALS @ 80' EACH · S2 Notes: Engineered - ATU Design Flow = 3000 gpd °2022, Mark D. Repasky *ST Provide and Install 2800 gallon minimum concrete solids tank. *TT(2) Provide and Install 1350 gals. minimum concrete tank with Bio-Microbics MicroFAST 1.5 module. Provide and Install 3518 gallon minimum dosing tank with dosing pump(s). See specifications. *DT Standard MultiPipeSystem/Infiltrator Drainfield Minimum 3750 square feet in trench system. See specifications. *Dispersal *Samples Install port (SP) as per 62-6, FAC. *Setbacks See Page 3 of 4, Form DH 4015. Double sleeve all potable water lines within 10 feet of system. Potable water lines must be installed a minimum of 12 inches above (vertical) effluent transmission lines where crossing or within 10 feet horizontal. There are no known onsite wells or public wells within 200 feet unless shown. All known wells/OSTDS/other features within 100 feet of system are noted. All roof drainage and lot drainage shall be directed away from OSTDS. All known drainage features/swales and easements are shown. PE0036872 rev date 3/8/23: add S1, Site Plan submitted by PE0036872 SR00111699 TALLAHASSEE, FLORIDA 32301 3096 S Adams Street, Plan Approved Not Approved Date Columbia County Health Department By





STATE OF FLORIDA DEPARTMENT OF HEALTH ONSITE SEWAGE TREATMENT AND DISPOSAL SYSTEM SITE EVALUATION AND SYSTEM SPECIFICATIONS Ichetucknee EH OSTDS permit app.doc

PERMIT #.

DOT:BLO	OCK:	SUBDIVISI	ION: Metes/bounds		
PROPERTY ID #: 24-6S-15	5-00515-000		[Section/Township/Parcel N	o. or Tax II	Number]
O BE COMPLETED BY EN	GINEER, HEALTH	DEPARTMENT	EMPLOYEE, OR OTHER QUALIFIE	ED PERSON.	ENGINEER
UST PROVIDE REGISTRAT	ON NUMBER AND	SIGN AND SEA	AL EACH PAGE OF SUBMITTAL. CO	MPLETE ALL	ITEMS.
PROPERTY SIZE CONFORMS	TO SITE PLAN:	[X] YES []	NO NET USABLE AREA	AVAILABLE:	1.5 ACRE
OTAL ESTIMATED SEWAGE	FLOW: 3000 GF	ALLONS PER DA	NO NET USABLE AREA RY [RESIDENCES-[RY [1500 GPD/AC	TABLE I/OTHE	ER-TABLE2
UTHORIZED SEWAGE FLOW	3750 GZ	ALLONS PER DA	AY [1500 GPD/AC	CRE or 2500	GPD/ACRE
NOBSTRUCTED AREA AVAIL	ABLE: 8000 SC	2FT	UNOBSTRUCTED ARE	A REQUIRED:	5625 SQF
ENCHMARK/REFERENCE PO:	INT LOCATION:	FIR/C =4	46.56'	AND THE RESIDENCE OF THE PERSON OF THE PERSO	
LEVATION OF PROPOSED	SYSTEM SITE IS	19 [INC	CHES/FT] [ABOVE/BELOW] BENCH	MARK/REFEREN	NCE POINT
			M THE PROPOSED SYSTEM TO TH		
URFACE WATER: n/a FT		DITCHES/SWA	LES: <u>n/a</u> FT NORMALL: <u>a FT</u> PRIVATE: <u>N/A</u> FT	Y WET? [] Y	ES [X] N
ELLS: PUBLIC: FT	LIM	ITED USE: n/	a FT PRIVATE: N/A FT	NON-POTABI	E: N/A F
UILDING FOUNDATIONS:	130 FT	PROPERTY LI	NES: 500 FT POTAB	LE WATER LIN	NES: 10 F
ITE SUBJECT TO FREQUE	NT FLOODING: [] YES [X] NO	10 YEAR FLOOD: CURRENT SI	ING? [] Y	ES [X] N
0 YEAR FLOOD ELEVATION	N FOR SITE: FT	r MSL/NGVD	CURRENT SI	TE ELEV: F	r MSL/NGV
	rox a: - 1 . 01		SOIL PROFILE INFORMATION S	14 to 2. 62	
COTT DECETTE TIMODICE				TILE Z: DZ	
		1			DEDTH
MUNSELL # / COLOF	TEXTURE	DEPTH	MUNSELL # / COLOR	TEXTURE	
MUNSELL # / COLOR 10YR 5/2 GB	TEXTURE FS	DEPTH 0-12	MUNSELL # / COLOR	TEXTURE	
MUNSELL # / COLOR 10YR 5/2 GB	TEXTURE FS	DEPTH 0-12	MUNSELL # / COLOR 10YR 5/2 10YR 6/3 PB	TEXTURE FS FS	0-11 11-39
MUNSELL # / COLOF	TEXTURE FS	DEPTH 0-12	MUNSELL # / COLOR	TEXTURE FS FS	0-11 11-39
MUNSELL # / COLOR 10YR 5/2 GB 10YR 6/3 PB 10YR 7/3 VPB	FS FS	DEPTH 0-12 12-36 36-72	MUNSELL # / COLOR 10YR 5/2 10YR 6/3 PB 10YR 7/3 VPB	TEXTURE FS FS FS	0-11 11-39
MUNSELL # / COLOR 10YR 5/2 GB 10YR 6/3 PB 10YR 7/3 VPB	FS FS	DEPTH 0-12 12-36 36-72	MUNSELL # / COLOR 10YR 5/2 10YR 6/3 PB	TEXTURE FS FS FS	
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Certification of Design

I certify that the units used in this system design is capable of consistently meeting, at minimum, secondary treatment standards established in 62-6.025(12)(a), FAC. The following requirements shall also be met:

- The system installation shall be inspected and approved by the design Engineer (62-6.003(2)(c)1., FAC) prior to use of the system.
- This system requires a maintenance agreement with a permitted aerobic unit maintenance entity which has at least a Class D state certified operator who has been certified under the provisions of Chapter 62-602, FAC.
- Sampling for effluent quality reports for CBOD/5 and suspended solids shall be collected at least semi-annually and such samples shall be analyzed by a department-approved laboratory.

Calculations

Estimated Sewage Flow	Water Usage Recor	ds: MWAD is 3440. U	se 3,000 as conserv	vative estimate for	or this system	
		Estimated Flow			=	3000 gpd required
Allowable Lot Loading	1.500 acres	x 2500 gpd/acre			=	3750 gpd provided
Dispersal Area Required	3000 gpd	/ 0.80 LTAR [- 0%	Reduction]		=	3750 s.f. required
Area Calculation	3' x (2 x8 x80'	linear feet			=	3840 s.f. provided
Unobstructed Area	Minimum requir	ed dispersal area	3750 s.f.	x 1.5	=	5625 s.f. required 8000 s.f. provided

Approved Tanks and Components

Manufacturer/Supplier	Material	Function	Engineer Spec	Tank #-Category
Florida Septic, Inc.	Concrete	Pretreatment tank	2800 effective gallons	01-011-52D-C4
Goulds	N/A	Lift Pump	WS0311B	if applicable
Bonded Septic Tank	Concrete	Treatment tanks (2)	1350 effective gallons	09-030-BM1S-C3
Wastewater Technologies, Inc.	plastic	Treatment units (2)	MicroFAST 1.5	The second secon
Florida Septic, Inc.	Concrete	Dosing tank	3518 total gallons	01-011-52P-C4
Orenco, Inc.	N/A	Dosing Pump	WS0511B or WS0712B	

Engineer has evaluated buoyancy for each tank listed above *at normal operating conditions*. All equipment and filter media are considered in the calculation for each tank specified, PVC piping is conservatively ignored. Normal operating condition for tanks without pumps is full of fresh water to the outlet elevation. Normal operating condition for tanks with pumps is calculated as first chamber full to baffle invert and empty second chamber. Tank substitution or use of tanks other than shown above is not acceptable without prior written consent of this Engineer.

Specifications and Notes

- System design: to achieve specified treatment levels, Domestic strength waste at flows that do not exceed the daily design flow. Liquid waste treatment additives shall not be used.
- 2. System and components: by Wastewater Technologies, Inc. or as approved by design engineer.

3. <u>Tanks</u>: Heavy duty tanks, lids, risers, and covers NOT REQUIRED. All access shall have risers to grade or higher, with covers per 62-6.

4. <u>System Installation</u>: by licensed contractors certified in the installation of Wastewater Technologies, Inc. treatment systems with oversight by Engineer of Record. Property Owner assumes full responsibility for the installation and system performance if licensed, certified contractors are not used.

5. <u>Treatment module integration</u> shall be by technicians trained by this engineer in the proper modification and installation requirements of FAST modules.

6. Operation and Maintenance: see attached O&M in this Engineered package.

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STATE OF WAR STATE O

©2022, Mark D. Repasky PE0036872 SR00111699 3096 S Adams Street Tallahassee FL 32301

WTI/MDR Engineered - ATU 3000 gpd Operation, Inspections, Maintenance and Monitoring Sampling Specifications

15 November 2022

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Operation

Electric power must be supplied to all electric components at all times. It is not acceptable to disconnect power from the system at any time except under the direction of the maintenance entity or in case of emergency. System owner is not to power off during extended absences, vacations or otherwise. Liquid waste treatment additives shall not be used.

Inspections, Maintenance and Monitoring 4 times/year

Maintenance Inspections, preventive maintenance, and monitoring shall be performed as required by 62-6 Part I, FAC by a maintenance entity holding current certification from the engineer per 62-6.025(11), with a minimum Class D state certified operator. Inspection reports are to be forwarded to county DOH along with address of system, date and time of inspection, volume of effluent treated (if discernable), any maintenance performed and/or problems noted including actions taken or needed to remedy situation.

Maintenance inspections and preventive maintenance shall be performed by the maintenance entity every 3 months, as part of above inspection to include:

• F	AST	Verify that	unit is opera	ting properly.

- Blower Confirm proper operation; clean air filter and note condition.
 Solids Check accumulation (expect pumpout every 3 to 5 years).
 Outlet Inspect outlet line or disposal system (where accessible)
- Chlorinator Inspect and confirm tablet stack descends freely; load and record number of tablets added.
- All Pumps
 Check operation by manually tripping float switch. Operate each pump manually at control panel.
- Electrical Visual check of all controls and connections for proper power output/input, closure and moisture seal of NEMA boxes, component corrosion.
 - Control Panel Record pump count. Verify and record proper timer setting (if any), float settings (if any).
 - Alarms
 Trip all audible and visual alarms manually to confirm effective operation.

 Manhole covers
 CONFIRM THAT ALL ARE IN PLACE/CLOSED, AND SECURED

Sampling and Monitoring - Engineered - ATU

Commercial: Effluent shall be sampled at least semi-annually for CBOD₅ and TSS. If any sample exceeds design standards by 100% or more, report results immediately to design engineer and DOH.

Contingency

- 1. At the high water level, the system alarm sounds. The System owner must contact the Maintenance Entity within 24 hours of alarm.
- 2. Maintenance Entity personnel will inspect the system, and order a repair on the problem as necessary, within 36 hours as specified in 62-6.012(4)(b).
- System owner shall have tanks pumped as required to prevent the creation of sanitary nuisance conditions until such time as repairs are effected which prevent sanitary nuisance conditions.

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COVER LETTER TO: COLUMBIA HEALTH DEPARTMENT

REQUEST FOR SYSTEM APPROVAL REGULATED UNDER 62-6 PART I ENGINEERED - ATU - DISPERSAL TO LPD

TUESDAY, NOVEMBER 15, 2022 Rev. Date Wednesday, 08 March 2023

Property Owner State of Florida

Street Address 11627 SW US Highway 27, Fort White, FL 32038

Legal description Ichetucknee Springs State Park

Property ID 24-6S-15-00515-000

This is a complete permit application package for the above property. Water records show the <u>Maximum Weekend Average Day</u> to be roughly 3,440 gpd. This new bathroom facility will relieve demand on the visitor center building restrooms. It is not anticipated that there will be more visitors because of this new building. As such, design treatment levels for **Engineered - ATU** of 3000 gpd domestic strength waste is conservatively used. Bio-Microbics FAST[©] treatment modules are utilized to achieve the performance standards listed below:

LEVEL SPECIFIEI	D: Engineered - ATU		TMENT IIEVED	Engineer Notes
CBOD ₅	\leq 20 mg/l	FAST	2.6 mg/l	OWNRS Phase I (Ph II = 1.2 mg/l)
Total Suspended Solids	≤20 mg/l	FAST	4.63 mg/l	OWNRS Phase I (Ph II = 3.9 mg/l)
Total Nitrogen	> 65% REDUCTION	FAST	9.3 mg/l >70%	NSF 40+Nitrogen OWNRS Phase I and Phase II
Fecal coliform Minim residual of 0.5 mg/L at p	um disinfection level equivoint of discharge	alent to a free	chlorine	LF 1000 with minimum 93 gallons chlorine contact time

Per OWNRS, FAST units (when loaded at 100% capacity) have been shown to be effective at reducing Total Nitrogen levels by greater than 70 percent.

Per 62-6.003(2)(c)1: DOH county health department shall require the design engineer... to certify that the installed system complies with the approved design and installation requirements.... All changes to the engineering specifications shall be approved by the design engineer. Also see 62-6.004(4).

Per 62-6.004(3)(b): plumbing fixtures located at a non-residential establishment shall be included on the floor plan, but need not be drawn to scale. –Engineer's NOTE: All plumbing fixtures have been included on the floorplan. Any floor drains currently planned will be shown.

Per 62-6.012(3), an aerobic treatment unit used for treating domestic or commercial sewage flows in excess of 1500 gallons per day, or a combination of aerobic treatment units treating flows according to Rule 62-6.004(4)(a) or (b), F.A.C., shall be designed and certified by an engineer licensed in the State of Florida. The design shall include an assessment of wastewater strength. The certification shall state that the unit is capable of consistently meeting, at minimum, secondary treatment standards for CBOD₅ and TSS, established in Rule 62-6.025(12)(a), FAC.... The system shall be maintained by an entity with a minimum Class D wastewater operator. See Certification of Design included herein.

Mark D. Repasky, PE 0036872 - SR 0111699 RepaskyMD@aol.com 850-251-7743 cell 3096 S Adams Street Tallahassee FL 32301

PE0036872

COVER LETTER (CONTINUED) TO: COLUMBIA HEALTH DEPARTMENT

TUESDAY, NOVEMBER 15, 2022

Property Owner State of Florida

Street Address 11627 SW US Highy

11627 SW US Highway 27, Fort White, FL 32038

Legal description Ichetucknee Springs State Park

Property ID 24-6S-15-00515-000

MONITORING/SAMPLING requirements specified for this on-site treatment and disposal system: Per NSF Standard 40 and incorporated by reference in 62-6, FAC, "a two-year initial service policy shall be furnished to the user by the manufacturer or the distributor through the dealer, and be included in the original purchase price." It shall contain provisions for (at least) four inspection/service calls (at least one every six months) over the two-year period ... including inspection, adjustment, and servicing of the mechanical, electrical, and other applicable component parts to ensure property function....

Commercial: Effluent shall be sampled at least semi-annually for CBOD₅, and TSS. If any sample exceeds design standards by 100% or more, report results immediately to design engineer and DOH. Free chlorine residual shall be evaluated twice per year and such data recorded as part of the inspection information.

Contents of Permit Application Package

SITE/OWNER PAPERWORK:

- Engineer of Record/Agent Authorization
- Sample maintenance agreement (final agreement to be executed prior to issuance of operating permit)
- Building floor plan (4 copies)
- · Special purpose survey

SYSTEM PERMITTING SETS:

- Florida DOH form DH4015 pp1-3
- · Certification of Design; Calculations; Approved Tanks; and Specifications
- Low pressure dosing specifications and pump curve (from Manufacturer)
- · Operation, Inspections, Maintenance and Monitoring; Sampling Specifications
- Florida DOH form DH4016 p1, engineer's additional installation specifications
- 11x17 site plan and details; system tank flow; and dispersal schematic

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PE 0036872 - SR 0111699
RepaskyMD@aol.com

Mark

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Wastewater Technologies, Inc.

Maintenance Inspection Agreement

Property Owner

Street Address

Legal description

Property ID

It is hereby agreed by and between the **Property Owner** and Wastewater Technologies, Inc. as **Maintenance Entity** (hereinafter referred to as **ME**), that in consideration for payments provided for herein, the **ME** shall provide the services of a factory-trained technician. The technician will perform a Preventative Maintenance Inspection of the equipment described herein on the frequency shown below.

This and any future maintenance agreements between the **Property Owner** and the **ME** shall be valid only if payment has been made in good funds to the **ME**. The **Property Owner** is required to obtain an operating permit for the system from the DOH and is responsible for any and all fines and fees with regard to such operating permit or this Maintenance Inspection Agreement. Failure by the **Property Owner** to maintain compliance may result in enforcement action on the **Property Owner** by the DOH. The **ME** will notify the **Property Owner** approximately 45 days prior to the expiration of the operating permit. In the event the **Property Owner** fails to maintain said operating permit, this Maintenance Inspection Agreement shall be considered null and void and all costs poid to this **ME** shall be forfeited. The expiration of this Agreement, which coincides with a correctly issued operating permit by the DOH, bereby serves as notice on non-renewal, unless renewal paperwork is provided showing otherwise (notice and rein in excess of 600 days prior to expiration to satisfy requirements of 62-6.012(2)(m)2.).

Thirty days written notice shall be given to the P county Owner and the OOD county health department in the event that the ME wishes to discontinue provision of maintenance services during the term of this Agreement. The Property Owner shall, within 60 days of the date of service termination by the E (for any reson), contract with an approved maintenance entity and provide the DOH county health department a provide the maintenance entity and provide the DOH county health department a provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the maintenance entity and provide the DOH county health department and provide the DOH county health de

Reporting and inspection:

- Commercial inspection shall occur 4 times _____ear. Sampling Hot required.
- Each inspection shall be followed by a written report to the Property Owner, upon the Property Owner's written request. The inspection report will describe the operational status of the system. It will also include recommendations for any preventative maintaining defended accessary by the inspector as well as a list of any replacement parts needed and a recommendation of who to contact in order to effect such repair.
- Reports shall be provided to the DOH county health department as required by Code (62-6.012, FAC).

This agreement does not:

- Assume any responsibilities or obligations that are normally the responsibilities of the Property Owner's maintenance department (if applicable) as related to parts or labor.
- Extend to cover any costs that may be associated with any recommendations made under this agreement.
- Authorize **ME** to supply parts/labor for repairs or replacement without the Property Owner's Purchase Order, unless required to remedy a sanitary nuisance and **ME** is not able to reasonable contact **Property Owner**.
- Provide for replacement of finite materials, including but not limited to, chlorine or other chemicals, filter media, etc. unless referenced below.
- · Provide for cleaning of effluent filter or pumpout of any tanks.
- Provide for payment of any effluent sampling costs required, other than described below.

Non-routine maintenance visits may be necessary if the system alarms sound. In this event, the ME shall be notified immediately in order to investigate the alarm. ME, at its sole discretion will determine whether to make an emergency visit to ascertain nature of alarm or to send a repair company, or both. ME may charge for such a visit, not to exceed per visit, based on the nature of the alarm. Property Owner hereby agrees to pay the charge for this visit within 10 days of the emergency visit. Should this charge not be paid, Property Owner agrees to pay a late fee of \$2.50 per day (at the discretion of the Maintenance Entity) until the ME or their designated representative receives payment in good funds. Should the ME determine that an outside repair company is needed, reasonable effort will be made to notify Property Owner of required repair. Maintenance Entity is hereby authorized to make such repair or cause an outside repair company to make such repair

as necessary to maintain the sanitary function of the system. Failure of **Property Owner** to make sure that the **ME** and/or outside repair company is paid may result in a lien against this property. **Property Owner** is solely responsible for any charges or costs from recommended repair companies.

The cost for any sampling or testing required will be torne by the property Owner. ME shall make recommendations as to pumpout needs based on observed system function at scheduled inspection visits. ME shall supervise the pumpout of sludge from treatment tank so long as pumpout occurs auring a scheduled maintenance visit as set forth herein and takes not more than one hour.

The **Property Owner** shall provide the **ME** with the purpose of inspection visits. If **ME** attempts to complete an inspection and is analyte to do so because of lack of access, **ME** will make reasonable efforts to complete the missed visit at a later date during the agreement period. In this instance, Property Owner waives right to credit for the incomplete visit. The **Property Owner** shall also notify the **ME** and Engineer of Record if the occupancy changes or if there is any notable difference in use of the facilities serviced by this treatment system.

This Maintenance Inspection Agreement may be assigned in case in sale of this property, with proper notification to ME in advance. This Maintenance Inspection Agreement as the terms herein are specific to this real estate parcel and the equipment named herein.

In no event shall Wastewater Technologies, Inc. (or their agents and workers) be responsible for special or consequential damages, including but not limited to, loss of tipe at jury to person or property or any other consequential damages or incidental or economic loss due to equipment failure or for any other cason. If ME fails to perform any portion of this agreement, WTI will either issue a credit toward future agreements or issue a refund, at the sole discretion of WTI.

Equipment/Sampling overed Under This Agreement

Nomenclature	Serial Number	Location	# annual trips	Annual Rate		
		11627 SW US Highway 27	4			
Sampling	If applicable		not required			

State of Florida, Property O	wner	Wastewater Technologies, Inc.		
C'-	1.	C:		
Sign	date	Sign		

Email address to send reports

Expiration Date: tbd