

## Form 1.1 SYSTEM DESCRIPTION (SD)

(This form is used for the initial system evaluation for the facility and the site. It should be kept on file, and a copy should accompany the service provider at each O&M service visit. Any changes to the system facility should be recorded on the form, along with the date the change was noted.)

A. Client Contact Information  Name of owner:		Syst	em ref	<b>#</b> ·	
Phone:		•			No.:
Cell:	E-mail:				
Site address/County:					
Mailing address/County (if different):					
Directions to site:					
B. System Documentation Available (If no d	ocumentation, fill	l out Sec	tion D.)	)	
Date installed:					
Installer:		Lice	nse #:_		
Phone: Cell:		Fax			
E-mail:					
Designer:		Lice	nse #:_		
Phone: Cell:		Fax			
E-mail:					
Previous service provider:		Lice	nse #:_		
Phone: Cell:		Fax			
E-mail:					
Design flow:Gal per day					
C. Operational Checklists					
Identify operational checklists for components include treatment train in order in the spaces provided after		nber the	compo	nents of	the
<b>Form 4.1 Site Assessment</b> on File? $\Box$ Yes	□ No				
Tanks and advanced treatment component of	perational check	lists (Ch	apters	5, 6 and	7):
☐ Pump: Demand-Dosed system:	☐ Aero	bic treat	ment u	nit:	
☐ Pump: Timer-Dosed system:					
☐ Holding tank:		□ Constructed wetland: □ Lagoon:			
☐ Septic/Trash/Processing (tank):	•	_			
☐ Pump tank(s):					t light:
☐ Media filter:					

	System ref. #:_	
Fin	nal treatment and dispersal component operational checklists (Chapter 8):	
I. 111	☐ Gravity Distribution: ☐ Drip distribution syste	am.
	☐ Evapotranspiration bed: ☐ Spray distribution syste	
	☐ Mound system: ☐ Discharging systems of	outian:
	☐ Low-pressure drainfield:	
D.	No System Documentation Available	
Coi	mplete the remaining information if it is not available in the permit or as-built drawi	ngs.
Fac	cility Details	
	Number of bedrooms:	
2.		sq ft
3.	*	
4.		gpdgpd
5. 6.	Design strength:BOD (mg/L)TSS (mg/L) Water supply:	FOG (mg/L)
0.	☐ Private water supply	
7	☐ Public water supply Water source (if private supply):  Lateral dist	tance to water supply
٠.	Groundwater well:	= = :
		ft
	☐ Spring:	ft
0	Surface water (i.e. creek, lake, etc.):	ft
8. 9.	Garbage disposal present?  Are any water softener or water treatment chemicals used?	YesNo YesNo
	Has facility been remodeled since original construction?	YesNo
	The facility coen femous only only only and constituents.	100110
. •	stem Details	
1.	a. Landscape position:	
	b. Drainage: Surface/gravity Subsurface/gravity Subsurface/pump	
	c. Monitoring well present?	Yes No
	Transferring went presents	100110
2.	Pretreatment components - Tanks	
	a. Holding tank	
	1) Capacity:	ga
	2) Material: ☐ Concrete ☐ Fiberglass ☐ Plastic	
	i) Manufacturer:	Yes No
	4) Location (GIS):	/
	i) Boundin (OIS).	
	b. Septic tank /Trash tank	
	1) Capacity (total):	ga
	i) Compartmented?	YesNo
	ii) Capacities for compartmented system: 1)	gal 2)ga
	2) Material: $\Box$ Concrete $\Box$ Fiberglass $\Box$ Plastic	
	i) Manufacturer:	

	System ref. #:		
3) Access to surface?	,	YesNo_	
4) Location (GIS):		/	
5) Effluent screen?	,	YesNo_	
i) Manufacturer:	Model:		
Flow equalization tank (surge, etc.)			
1) Capacity:	<u>-</u>		gal/iı
2) Material: $\Box$ Concrete $\Box$ Fiberglass $\Box$	Plastic		
3) Access to surface?	•	YesNo_	
4) Location (GIS):	-	/	
5) Pump tank:	-	]	N.A.
i) Manufacturer:			
6) Pump:			N.A.
i) Manufacturer:	Model:	HP:_	
<ul><li>7) Pump operating condition</li><li>i) Discharge Rate:</li></ul>		ga	1/mii
ii) Head:		ga	
8) Control method	-		¹
i) Sensors: ☐ Floats ☐ Pressure transdu	icer Ultrasonic		
ii) Description:			
9) Pump dose settings			
i) Frequency		doses/c	lay
ii) Interval		sec/d	ose
iii) Volume		gal/d	ose
10) Control panel			
i) Manufacturer:	Model:		
11) Electrical	,	<b>3</b> 7 <b>3</b> 7	
<ul><li>i) Separate circuits (pump, alarm)?</li><li>ii) Breaker size:</li></ul>		YesNo_	
12) Alarm	-		
i) Manufacturer:			
ii) Sensors:  Floats  Pressure transdu			
iii) Description:			
Dosing pump tank			1.0
1) Capacity:	<u>-</u>		gal/11
,	☐ Plastic	••	
3) Access to surface?	·	YesNo_	
4) Location (GIS):	-	/	
5) Pump tank: i) Manufacturer:	-		
6) Pump:		]	
i) Manufacturer:	Model·	HP·	1./1.
7) Pump operating condition		111	
i) Discharge Rate:		ga	/mir
ii) Head:			
8) Control method	-		
i) Sensors: □ Floats □ Pressure transdu	icer Ultrasonic		
ii) Description:			
9) Pump dose settings			
i) Frequency:		doses/	day
-			-
	System ref. #:		

	ii) Interval: iii) Volume:		sec/dos gal/dos	
	10) Panel for sensors		gal/dos	SC
	i) Manufacturer:	Model:		
	11) Electrical			
	i) Separate circuits (pump, alarm)?		YesNo	
	ii) Breaker size:			
	i) Manufacturer:			
	ii) Sensors: ☐ Floats ☐ Pressure transducer iii) Description:			
3. Pr	etreatment components – advanced			
a.	Aerobic treatment unit (ATU)  1) Treatment method:			
	☐ Suspended growth ☐ Attached growth ☐ Rotating	g Biological Co	ontactor	
	☐ Combination attached/suspended growth ☐ Sequence	cing Batch Read	ctor	
	☐ Other:		gr	od
	3) Material: ☐ Concrete ☐ Fiberglass			
	i) Manufacturer:	Model #:		
	ii) Product serial #:			
	4) Access to surface?		YesNo	
	5) Location (GIS):		/	_
	6) Effluent screen / Tertiary filter		N.	
	<ul><li>i) Manufacturer:</li><li>7) Air supply</li></ul>			
	i) Air supply method: ☐ Aspirator ☐ Compressor	□ Blower	□ Free ∆ir	
	ii) Manufacturer:			
	8) Sludge return method:			
b.	Single pass filter			
	1) Media: $\square$ Sand $\square$ Glass $\square$ Foam $\square$ Peat	$\Box$ Other: _		
	i) Media depth:			_in
	ii) Liner material:			
	2) Filter size:		SC	
	i) Dimensions:		ft x	rt
	ii) Accessibility: ☐ Buried ☐ Free Access	☐ Covered		
	iii) Cover material:iv) Lid insulated?		Yes No	
			165110	
	3) Distribution method: ☐ Pressure ☐ Gravity			:
	i) Pipe diameter:			_in
	ii) Flow control: ☐ Orifice ☐ Spray nozzle Orifice position:			
	iii) Flow control diameter:			in
	iv) Number of flow controls (orifices, nozzles, etc.):			_
	v) Squirt height/Operating head:			in
		Number	YesNo	
	vii) Clean out access to surface?		YesNo	
	4) Filtrate collection system:			

c.	Rec	circulating Filter		
	1)	Media: $\square$ Sand $\square$ Gravel $\square$ Bottom Ash $\square$ Foam	$\Box$ Textile $\Box$	Other:
		i) Media depth:		in
		ii) Liner material:		
		iii) Recirculation method:		
	2)	Filter size:		sq ft
		i) Dimensions:		ft x ft
		ii) Accessibility: ☐ Buried ☐ Free Access		
		iii) Cover material:		
		iv) Lid insulated?		YesNo
	3)	Distribution method		105110
	٥,	i) Pipe diameter:		in
		· · · · · · · ·	Othory	·
		ii) Flow control: $\square$ Orifice $\square$ Spray nozzle		
		Orifice position:iii) Flow control diameter:		
		iv) Number of flow controls (orifices, nozzles, etc.):		in
		v) Squirt height/Operating head:		
		vi) Clean outs/Inspection ports:	Numbor	in _YesNo
		vii) Clean out access to surface?	Nullibei	YesNo
	4)	Filtrate collection system:		165110
	5)	Forced aeration:		N.A.
	3)	i) Description:		N.A.
		i) Description		
d.	Tri	ckling filter		
۵.		•	Othory	
	1)	Media: □ Gravel □ Foam □ Textile □ Plastic	Utner:	
		i) Media depth:		in
	2)	ii) Liner material: Filter size:		
	2)			sq ft
	2)	i) Dimensions:		ft xft
	3)	Distribution method		•
		i) Pipe diameter:		in
		ii) Flow control: ☐ Orifice ☐ Spray nozzle		
		Orifice position:		
		iii) Flow control diameter:		in
		iv) Number of flow controls (orifices, nozzles, etc.):		
		v) Squirt height/Operating head:		in
		, 1	Number	
	45	vii) Clean out access to surface?		YesNo
	4)	Filtrate collection system:		
	5)	Forced aeration:		N.A.
		i) Description:		
e.	Cor	nstructed wetland		
C.				
	1)	Bed media: ☐ None ☐ Gravel ☐ Other:		
		i) Number of cells:		·
		ii) Media depth:		in
		iii) Water depth:		in
		iv) Liner material:		
	2)	v) Border material:		
	2)	Size:		sq ft
		i) Dimensions:		ft xft
			System raf #.	
		•	5 y stelli 161. #	
		ii) Length to width ratio:		:
		, —		<del></del>

	3)	Distribution method		
		i) Pipe diameter:		in
		ii) Flow control: ☐ Orifice ☐ Spray nozzle Orifice position:		
		iii) Flow control diameter:		in
		iv) Number of flow controls (orifices, nozzles, etc	.):	
		v) Squirt height/Operating head:	.,.	in
		vi) Clean outs/Inspection ports:	Number	YesNo
		vii) Clean out access to surface?	114111001	YesNo
	4)	Surface loading rate:		gpd/sq ft
	5)	Filtrate collection system:		
	6)	Monitoring location:		
	7)	Vegetation:		N.A.
	',	i) Description:		11.71.
	8)	Water level control:		N.A.
	0)	i) Description:		
		i) Description.		
f.	Las	goon system		
	-	Type: ☐ Aerobic ☐ Facultative ☐ Partial-mixed aer	ated \[ \Bar\] Anaerobic	
	1)	i) Water depth:	alcu 🗆 Allacioole	ft
		ii) Liner material:		ft
	2)	Lagoon size:		sq ft
	۷)	i) Dimensions:		ft x ft
		ii) Length to width ratio:		nxn :
	3)	Inlet to lagoon		· ·
	3)	i) Pipe description:		
		ii) Pipe diameter:		in
		iii) Clean outs?		YesNo
	4)	Surface loading rate:		gpd/sq ft
	5)	Monitoring location:		gpu/sq It
	6)	Vegetation:		N.A.
	0)	i) Description:		
	7)	Water level control:		N.A.
	1)	i) Description:		N.A.
		i) Description.		
g.	Disi	nfection unit		
_	1)	Chlorine – tablet		
		i) Manufacturer:	Model:	
	2)	Chorine – liquid		<u>-</u>
	ĺ	i) Manufacturer:	Model:	
	3)	Ultraviolet light		
	,	i) Manufacturer:	Model:	
	4)	Ozone		
	ŕ	i) Manufacturer:	Model:	
	5)	Other:		
	6)	Disinfection monitoring location:		
	7)	Dechlorination		
	ŕ	i) Type:		
		ii) Manufacturer:	Model:	
	8)	Dechlorination monitoring location:		
		-		
			System ref. #:	
Fina.		reatment and dispersal avity distribution		
		•	ET bed	

4.

2)			bed, describe line : ☐ Gravity-to-gr			np-to-gravity		nhon-	to-gravity
3)	Configu		☐ Parallel					_	ous serial
4)	_		h: Distribution	n box					
5)		ition approaction media			_ 55114	P.P.			
	i)	Material:	$\square$ Gravelless	$\square$ M	lulti-pipe	☐ Chambe	r		
			□ Rock	$\square$ Sy	ynthetic	Other:			
				-					
	essure								
1)	_	essure drainf	ield					<b>3</b> 7	N
	,	Level? Number of	zones:					Y es	No
	11)		vitching method:	□Hvd	raulic valv	es 🗆 S	enarate	numr	19
		u) Sv	_	-			_		
	iii)	Distribution			J1				
	,		pe diameter:						in
		,	ifice diameter:						in
		,	ifice orientation:						
		,	umber of orifices: uirt height/Opera	ting hea	ad:				in
			ean outs/Inspection			Number		Yes	No
		· ·	ean out access to	surface	?			Yes_	No
			trenches/beds:						C. C.
2)			s of trenches/beds						_ft xf
2)		e mound dist		.1.	D . 1	□ O.1.			
	i)		n method:  Trendoe diameter:	cn 🗆	веа	□ Otner:			in
			ifice diameter:						in
		,	imber of orifices:						
			uirt height/Operat			NY 1		X 7	in
			ean outs/Inspection ean out access to			Number			No No
	ii)		trenches/beds:	surracc				1 05	110
			of trenches/beds	:					ft xf
3)	Drip dis	stribution							
			n field:□ Surface		☐ Subsu				
			manufacturer:			Model:_			
	iii)	Filtration:			$\square$ Sand				
			er:						
		Filter clean Number of	ing:  Automated	Į.	⊔ Manu	al/Continuous	flush		
	V)		zones: multiple, switchin	g devi	ce:				
			one area(s):			sq ft			sq f
	vi)	Field flushi	ng:   Automated	l -	☐ Contin	nuous		al	
									N.A.
		a) Ma	Vacuum breaker: anufacturer:			Model:_			
						5,500111101			
	viii	) Inspection j						Yes_	No
4)	Spray 4		cations:						
4)		istribution Number of	zones:						
	1)		zones. multiple, switchin						

	ii)	Distribution heads per zone:  a) Manufacturer: Model(s):
	iii)	b) Pattern(s): In-line filtration: □ None □ Screen □ Disk □ Sand
		a) Manufacturer: Model:
	iv)	Total area of spray distribution fields:sq ft
	v)	Gauging Device:
5)	Surface	discharge
	i)	Permit number:
	ii)	Permit requirements:
	iii)	Location:
	iv)	Monitoring location:

E.	Sketch	of	system	

Scale 1 in = ft