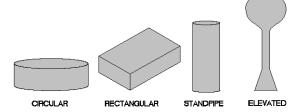
Tideflex® Mixing System FOR FINISHED WATER STORAGE FACILITIES DESIGN DATA SHEET



I. GENERAL INFORMATION

Reservoir/Tank Name:					☐ Advertises on ☐ Bids on		
Project Location:					(mm-dd-yyyy)		
Water Utility/Owner Name:	:						
Owner Contact:							
Email:							
Address:							
City:				State:			
Zip:				Country:			
Phone:				Fax:			
				•			
Consulting Engineering Firm	:						
Engineer Contact:							
Email:							
Address:							
City:				State:			
Zip:				Country:			
Phone:				Fax:			
II CVCTEM INFOD	MATION						
II. SYSTEM INFORMATION INSTALLATION: SCAD		A :	WATER	SOURCE:			
☐ New Tank Ta		on SCADA?	☐ Surfa	☐ Surface Water ☐ Reclaimed Water			
☐ Existing Tank	∐ yes	s ∐ no	Grou	nd Water			
OPERATION: MODE:			PRIMA				
☐ Distribution System Rese		oir Fill-then-draw Simultaneous		☐ Chlorine ☐ UV ☐ Chlorine Dioxide ☐ Chloramine ☐ Ozone ☐ None			
Combination	fill a	fill and draw		_			
HIGH WATER LEVEL SHUTOFF:				DARY DISINF	_		
□ by Altitude Valve □ None, floats on syst □ by Pressure Switch □		system	em Chlorine Chloramine None				
				IIIC DIOXIGC _	-		
III. RESERVOIR / TA	ANK DATA	(Provide tank	drawings if avail	able. See non	nenclature on page 4.)		
TYPE OF RESERVOIR / TA	Tank Mar	Tank Manufacturer or Basis of Design:					
☐ Circular Reservoir ☐	ape	☐ At Grade ☐ Semi-Buried					
☐ Rectangular Reservoir		☐ Buried	j				
Standpipe		ı					
☐ Elevated Tank	☐ Dry Riser	☐ Dry Riser ☐ Sphere/Spheroid ☐ Composite ☐ Hydropillar ☐					
	☐ Wet Riser	☐ Wet Riser					

VOLUME:		☐ MG ☐ gall	lons 🗌 r	m ³ Megalite	ers		
Circular Reservoir / Standpipe		Elevated Tank		ank	Rectangular Reservoir		
	☐ ft ☐ m			☐ ft ☐ m			☐ ft ☐ m
Tank Diameter:		Bowl Diamete	er:		Length x W	idth	х
Depth to Maximum		Lload Dongo			Depth to Ma	aximum	<u> </u>
Operating Level	erating Level		Head Range:		Operating Level		
		Height From Foundati			Depth to Overflow		
Depth to Overflow		to Overflow					
			Height from Foundation		B		
·		to Max. Operating Lo			Number of		1
Bottom Elevation:		Foundation E	levation:		Bottom Elev	vation:	
Welded Steel Prestressed Con Composite (Elev	☐ Bo crete ☐ Po ated) ☐ Ea	Ited Steel (conc est-tensioned Co erthen Lined	:. floor)		el (steel floor ace Concrete)	veted Steel
Fixed Roof —	► Internal Roof			To ☐ Floating			
Fixed Roof -	Internal Roof JTLET PIPI et pipe, complet	NG (For new t	tanks thate e data. Tl	t operate in fill-t	hen-draw and	for existi	ng tanks that hav
Fixed Roof IV. INLET / OU a common inlet/outle Common Inlet/O	Internal Roof JTLET PIPI et pipe, complet	NG (For new t	tanks that e data. Th nd Outlet	t operate in fill-t he TMS separat Pipes	hen-draw and	for existi	ng tanks that hav
Fixed Roof IV. INLET / OU a common inlet/outle Common Inlet/Outlet Dutlet Diameter Dutlet Diameter	Internal Roof JTLET PIPI et pipe, complet utlet Pipe □ S □ in □ □ in □	NG (For new to the the "Inlet" pipe Separate Inlet ar mm Materi	tanks that e data. The nd Outlet al:	t operate in fill-to he TMS separat Pipes Pen	hen-draw and es inlet/outlet etration: betration: be	for existing inside the cottom	ing tanks that have tank) sidewall topsidewall
Fixed Roof V. INLET / OU a common inlet/outle Common Inlet/Outle Inlet Diameter Outlet Diameter	Internal Roof JTLET PIPI et pipe, complet utlet Pipe □ S □ in □ □ in □	NG (For new to the the "Inlet" pipe Separate Inlet ar	tanks that e data. The nd Outlet al:	t operate in fill-to he TMS separat Pipes Pen	hen-draw and es inlet/outlet etration: betration: be	for existing inside the cottom	ing tanks that have tank) sidewall top
Fixed Roof IV. INLET / OU a common inlet/outle Common Inlet/Outle Common Inlet/Outle Dutlet Diameter Common Inlet Common	Internal Roof JTLET PIPI et pipe, complet utlet Pipe □ S □ in □ utlet have Silt S	NG (For new to the the "Inlet" pipe Separate Inlet ar mm Materi	tanks that e data. The nd Outlet fal:	t operate in fill-to he TMS separat Pipes Pen Pen	hen-draw and es inlet/outlet etration: betration: be	for existing inside the cottom	ing tanks that have tank) sidewall topsidewall
Fixed Roof IV. INLET / OU a common inlet/outle Common Inlet/Outlet Diameter Dutlet Diameter Common Inlet/Outlet Diameter	Internal Roof JTLET PIPI et pipe, complet utlet Pipe □ S □ in □ utlet have Silt S oes tank have a	NG (For new to the the "Inlet" pipe Separate Inlet ar mm Materi mm Materi Stop? yes	tanks that e data. The nd Outlet fal:	t operate in fill-to he TMS separat Pipes Pen Pen	hen-draw and es inlet/outlet etration: betration: be	for existing inside the cottom	ing tanks that have tank) sidewall topsidewall
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Fixed Roof IV. INLET / OU a common inlet/outle Common Inlet/On nlet Diameter Outlet Diameter Outlet Diameter Outlet Diameter Outlet Diameter Aximum Fill Rate: Maximum Draw Rate Deak demand + fire VI. TANK FLU	Internal Roof JTLET PIPI et pipe, complet utlet Pipe	MG (For new to the the "Inlet" pipe Separate Inlet ar mm Materi mm Materi Stop? yes a dedicated drain le) I / TURNOV	tanks that e data. The data of	t operate in fill-tone he TMS separate Pipes Pen Pen Sixed pipe yes no gpm Ips Sixed Ins	hen-draw and es inlet/outlet etration: be etration: be extension of the metho	ottom Department of the properties of the proper	ring tanks that have tank) sidewall top sidewall able sidewall able ped Gravity provide data on
Fixed Roof V. INLET / OU a common inlet/outle Common Inlet/On nlet Diameter Outlet Diameter Outlet Diameter Outlet Diameter Aximum Fill Rate: Maximum Draw Rate Deak demand + fire VI. TANK FLU	Internal Roof JTLET PIPI et pipe, complet utlet Pipe	MG (For new to the the "Inlet" pipe Separate Inlet are mm Material mm Material mm Material mm Material dedicated drain dedicated drain stop? I / TURNOV ation of tank level.	tanks that e data. The data of	t operate in fill-tone he TMS separate Pipes Pen Pen Sixed pipe yes no gpm Ips Sixed Ins	hen-draw and es inlet/outlet etration: be etration: be extension of the metho	ottom Department of the properties of the proper	ing tanks that have tank) sidewall top sidewall top sidewall top Gravity sped Gravity sped Gravity sped Gravity sped data on enclature, page 4
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Fixed Roof IV. INLET / OU a common inlet/outle Common Inlet/On Inlet Diameter Outlet Diameter Outlet Diame	Internal Roof JTLET PIPI et pipe, complet utlet Pipe S in S in S oes tank have a C DATA e: flow (if applicab ted, daily fluctual Meth	MG (For new to the the "Inlet" pipe Separate Inlet are mm Material	tanks that e data. TI nd Outlet fal: fal: n pipe? TER DA els in sur	t operate in fill-to the TMS separate Pipes Pen Pen Sixed pipe yes no Ips Igpm Ips Impre Ips Impre Ips Impre Impre Impre Individual Pipe Impre Impre Impre Impre Individual Pipe Impre Impre Impre Impre Impre Individual Pipe Impre Imp	hen-draw and es inlet/outlet etration: be etration: be extension of the metho	ottom Department of the properties of the proper	ing tanks that have tank) sidewall top sidewall able Gravity sped Gravity sped Gravity sped Gravity sped data on enclature, page 4

VII. REFROFIT INFORMATION

VIII. WATER QUALITY ISSUES

Year Tank Constructed:		Identify Water Quality Issues						
Date of Last Inspection:		Loss of Residual						
Date of Last Rehab/Repaint:		☐ DBPs > ☐ TTHM ☐ HAA5						
Next Scheduled Rehab:		Coliform Bacteria						
Internal Baffles?	☐ yes ☐ no	Nitrification						
Ice Formation?	☐ yes ☐ no	☐ Elevated HPC						
Water Temperature Range	min	Biofilms						
□°F □°C	max	☐ Taste & Odor						
Size of Largest Roof Hatch	☐ dia ☐ sq.	☐ Increased pH						
Size of Largest Shell Hatch	☐ dia ☐ sq.	Color						
Rechlorination/Recirculation		☐ Turbidity						
Sytems Installed?	☐ yes ☐ no							
Are Sampling taps installed?	☐ yes ☐ no	Identify known/suspected causes:						
Samples been taken at different		☐ Poor Mixing						
locations/depths inside the tank?	☐ yes ☐ no	☐ Short-Circuiting						
Has a tracer study, CFD, or		Poor Turnover / Tank Fluctuation						
scale model been done?	☐ yes ☐ no	☐ Long Detention Time						
		☐ Thermal Stratification						
		☐ High Levels of Organics						
IX. OVERFLOW PIPE P								
Check method used to prevent birds		n entering tank thru overflow pipes						
Overflow Pipe Size:	in mm							
☐ Tideflex Valve ☐ Ove	erflow Security Valve (OSV	/) ☐ Screen ☐ Flap Valve						
	V							
X. COMMENT								

PLEASE MAIL, FAX OR E-MAIL COPIES OF TANK DRAWINGS, INSPECTION REPORTS/PHOTOS TO: Tideflex Technologies

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XI. TANK NOMENCLATURE

