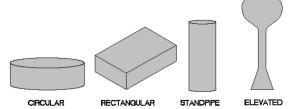


For Finished Water Storage Facilities Design Data Sheet



I. GENERAL INFORMATION

Reservoir/Tank Name:					☐ Advertises On: ☐ Bids On:		
Project Location:							
W-4							
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. SYSTEM INFORI	MATION						
INSTALLATION: SCADA:				SOURCE:			
☐ New Tank☐ Existing Tank	Tank on S∈			ace Water Reclaimed Water und Water Employer			
OPERATION:	MODE:	_	DDIMAD	Y DISINFECT	ION		
☐ Distribution System Reservoir ☐ Fill-then			☐ Chlor	ine 🗌 Uʻ	V ☐ Chlorine Dioxide		
☐ Clearwell☐ Combination	☐Simultar Fill and		Chlor	amine 🗌 O	zone None		
	<u> </u>	5.4.		-			
HIGH WATER LEVEL SHUTOFF: ☐ By Altitude Valve By ☐ None, Floats on Systems		tem	SECONI	DARY DISINFE	CTION: Chloramine None		
Pressure Switch			Chlor	ine Dioxide			
III. RESERVOIR / TANK DATA (Provide tank drawings if available. See nomenclature on page 4.)							
TYPE OF RESERVOIR / TA	Tank Manufacturer or Basis of Design:						
Circular Reservoir	☐ At Grade ☐Semi-buried						
☐ Rectangular Reservoir	Buried						
Standpipe		1					
☐ Flevated Tank	☐ Sphere/Spheroid ☐ Composite ☐ Hydropillar ☐						
☐ Elevated Tank	☐ Wet Riser	Wet Riser					

VOLUME:	OLUME: ☐ MG ☐ Gallons ☐ m³ ☐ Megaliters								
Circular Reservoir / Standpipe			Elevated Tank			Rec	Rectangular Reservoir		
	☐ ft ☐ m			ft] m			ft	m
Tank Diameter:		Bowl Dian	neter:			Length x Wi	dth	Х	
Depth to Maximu	num					Depth to Maximum			
Operating Level	ng Level		Head Range:			Operating Level			
			n Foundation	į.					
Depth to Overflow		to Overflow			Depth to Overflow				
		•	Foundation			Number of 0	Colle		
Bottom Elevation			erating Level			Bottom Elev			
Bollom Elevation		Foundatio	n Elevation:			Bollom Elev	alion:		
TANK MATERIA	L. (Soloat moulting)	faltariant f	, nou, 45 1 . 1						
_	L: (Select multiple in			☐ Dolto	d Ctoo	I (Ctool Floo	<u>~\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </u>		
		olted Steel (0	,			I (Steel Floo	r) L Ri	iveted Steel	
☐ Prestressed (ost-tensione	d Concrete	☐ Casi	-ın-piac	ce Concrete			
☐ Composite (E	levated) L E	arthen Lined					_		
TYPE OF ROOF	/ COVER·								
		Supports?	Ves I N	No. Telev	ating C	over	None	Onen Rese	2/0
TYPE OF ROOF Fixed Roof	/ COVER: Internal Roof	Supports? [☐ Yes ☐ N	No Floa	ating C	Cover	☐ None,	, Open Rese	rvoi
☐ Fixed Roof	► Internal Roof							•	
Fixed Roof IV. INLET / Ca common inlet/ou	Internal Roof OUTLET PIPI utlet pipe, complete	NG (For nee the "Inlet" p	w tanks that ipe data. Th	operate in e TMS sep				•	
Fixed Roof V. INLET / Ca common inlet/ou Common Inlet	► Internal Roof OUTLET PIPI utlet pipe, complete /Outlet Pipe \$\text{Solution}\$	NG (For ne e the "Inlet" p Separate Inle	w tanks that ipe data. Th et and Outlet	operate in le TMS sep	fill-thei parates	n-draw and t inlet/outlet i		•	
Fixed Roof V. INLET / Ca common inlet/ou Common Inlet Inlet Diameter	Internal Roof OUTLET PIPI utlet pipe, complete /Outlet Pipe in	NG (For nee the "Inlet" p Separate Inle	w tanks that pipe data. The et and Outlet eterial:	operate in le TMS sep		n-draw and t		g tanks that tank.)	hav
Fixed Roof V. INLET / Ca common inlet/ou Common Inlet Inlet Diameter	Internal Roof OUTLET PIPI Itlet pipe, complete Outlet Pipe	NG (For nee the "Inlet" p Separate Inle mm Ma mm Ma	w tanks that pipe data. The at and Outlet aterial:	operate in e TMS sep	fill-thei parates	n-draw and the inlet/outlet in ation:	for existin	g tanks that tank.)	hav
Fixed Roof V. INLET / Ca common inlet/ou Common Inlet Inlet Diameter	Internal Roof OUTLET PIPI utlet pipe, complete /Outlet Pipe in	NG (For nee the "Inlet" p Separate Inle mm Ma mm Ma	w tanks that pipe data. The at and Outlet aterial:	operate in e TMS sep	fill-therearates Penetr	n-draw and the inlet/outlet in ation:	for existinnside the	g tanks that tank.) Sidewall	hav
Fixed Roof V. INLET / Ca common inlet/ou Common Inlet Inlet Diameter	Internal Roof OUTLET PIPI Itlet pipe, complete Outlet Pipe	NG (For nee the "Inlet" p Separate Inle mm Ma mm Ma Stop? Yes	w tanks that ipe data. The and Outlet iterial:	operate in e TMS sep	fill-therearates Penetr	n-draw and the inlet/outlet in ation: Bation: B	for existinnside the	g tanks that tank.) Sidewall	hav
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Fixed Roof IV. INLET / Ca common inlet/ou Common Inlet Inlet Diameter Outlet Diameter	Internal Roof DUTLET PIPI utlet pipe, complete /Outlet Pipe	NG (For nee the "Inlet" p Separate Inle mm Ma mm Ma Stop? Yes	w tanks that ipe data. The and Outlet iterial:	operate in le TMS sep Pipes	fill-there arates Penetre Penetre Pipe E	n-draw and the inlet/outlet in ation: Bation: B	for existinnside the	g tanks that tank.) Sidewall	hav
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Fixed Roof V. INLET / Control common inlet/out Common Inlet Inlet Diameter Outlet Diameter V. HYDRAUL Minimum Fill Rate Maximum Fill Rate	Internal Roof OUTLET PIPI Itlet pipe, complete Outlet Pipe	NG (For nee the "Inlet" p Separate Inle mm Ma mm Ma Stop? Yes	w tanks that ipe data. The et and Outlet iterial: Iterial: No → drain pipe?	operate in e TMS sep	fill-ther arates Penetr Penetr Pipe E No	n-draw and the inlet/outlet in ation: Bation: B	ottom Ottom Remova	g tanks that tank.) Sidewall Sidewall able ped	To
Fixed Roof IV. INLET / Ca common inlet/ou Common Inlet Inlet Diameter Outlet Diameter V. HYDRAUL Minimum Fill Rate Maximum Fill Rate Maximum Draw R	Internal Roof OUTLET PIPI Itlet pipe, complete Outlet Pipe	NG (For nee the "Inlet" p Separate Inle mm Ma mm Ma Stop? Yes a dedicated of	w tanks that ipe data. The et and Outlet iterial: Iterial: No → drain pipe?	operate in e TMS sep Pipes Fixed Yes	fill-ther arates Penetr Penetr Pipe E No	n-draw and the inlet/outlet in ation: Bation: B	for existinnside the	g tanks that tank.) Sidewall Sidewall able ped	To
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Fixed Roof V. INLET / Ca common inlet/ou Common Inlet Inlet Diameter Outlet Diameter V. HYDRAUL Minimum Fill Rate Maximum Fill Rate Maximum Draw R Peak Demand + F	Internal Roof DUTLET PIPI Itlet pipe, complete COutlet Pipe	NG (For nee the "Inlet" p Separate Inle mm Ma mm Ma Stop? Yes a dedicated of	w tanks that hipe data. The et and Outlet aterial: Interial: Inte	operate in e TMS sep Pipes Pipes Fixed yes gpm I	Penetr Penetr Pipe E No ps one of	ration: Bation: Bation	ottom D ottom Pum Pum	g tanks that tank.) Sidewall Sidewall able ped Gra	Tc vity on
Fixed Roof IV. INLET / Ca common inlet/ou Common Inlet Inlet Diameter Outlet Diameter V. HYDRAUL Minimum Fill Rate Maximum Draw R Peak Demand + F	Internal Roof OUTLET PIPI Itlet pipe, complete Outlet Pipe	NG (For nee the "Inlet" p Separate Inle mm Ma mm Ma Stop? Yes a dedicated of	w tanks that hipe data. The et and Outlet aterial: Interial: Inte	operate in e TMS sep Pipes Pipes Fixed yes gpm I	fill-ther arates Penetr Penetr Pipe E No ps one of vinter, in	ration: Bation: Bation	ottom D ottom Pum Pum	g tanks that tank.) Sidewall Sidewall able ped Graped Gr	To vity on
Fixed Roof IV. INLET / Ca common inlet/ou Common Inlet Inlet Diameter Outlet Diameter V. HYDRAUL Minimum Fill Rate Maximum Draw R Peak Demand + F VI. TANK FL The typical, or exp	Internal Roof OUTLET PIPI Itlet pipe, complete Outlet Pipe	MG (For nee the "Inlet" p Separate Inle mm Ma mm Ma Stop? A dedicated of able) I / TURNO ation of tank	w tanks that hipe data. The et and Outlet aterial: Interial: Inter	operate in le TMS sep Pipes Fixed Yes gpm I	Penetr Penetr Pipe E No ps one of vinter, in d 2	ration: Bation: Bation: Street Bation:	ottom Definition of the pumpose below, page nome.	g tanks that tank.) Sidewall Sidewall able ped Gra ped Gra provide data nclature, pag	To vity on
Fixed Roof IV. INLET / Ca common inlet/ou Common Inlet Inlet Diameter Outlet Diameter V. HYDRAUL Minimum Fill Rate Maximum Draw R Peak Demand + F VI. TANK FL the typical, or exp	Internal Roof DUTLET PIPI Itlet pipe, complete COutlet Pipe ☐ S Outlet have Silt S Does tank have a IC DATA E: e: ate: ire Flow (If Application of the county of	MG (For nee the "Inlet" p Separate Inle mm Ma mm Ma Stop? Tyes a dedicated of able) I / TURNO ation of tank in	w tanks that hipe data. The et and Outlet aterial: Interial: Inter	operate in le TMS sep Pipes Fixed Yes gpm I	Penetr Penetr Pipe E No ps one of vinter, in d 2	ration: Bation: Bation: Street Bation:	for existing nside the ottom ottom removal rem	g tanks that tank.) Sidewall Sidewall able ped Gra ped Gra provide data nclature, pag	To vity on e 4)

VII. REFROFIT INFORMATION

VIII. WATER QUALITY ISSUES

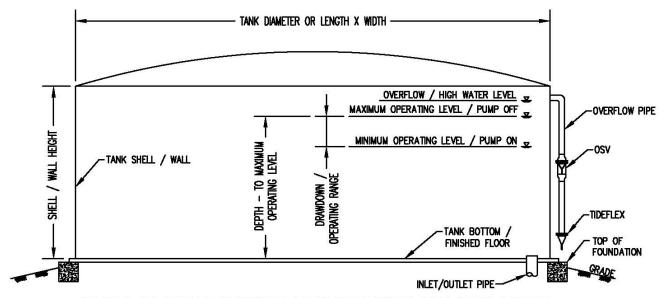
Year Tank Constructed:		identify water Quality issues
Date of Last Inspection:		Loss of Residual
Date of Last Rehab/Repaint:		☐ DBPs > ☐ TTHM ☐ HAA5
Next Scheduled Rehab:		Coliform Bacteria
Internal Baffles?	□Yes □No	Nitrification
Ice Formation?	□Yes □No	☐ Elevated HPC
Water Temperature Range	Min	Biofilms
□ °F □ °C	Max	☐Taste and 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		
-		om entering tank through overflow pipes.
Overflow Pipe Size:	in mm	
☐ Dechlorinating Overflow ☐ Security Assembly (DOSA)	☐ Tideflex Valve ☐ Ove	erflow Security Valve (OSV)
<u> </u>		
Town .		
X. COMMENT		

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

Red Valve Company / Tideflex®
750 Holiday Drive, Suite #400, Pittsburgh, PA 15220, USA
PHONE: 412-279-0044 FAX: 412-279-5410

E-MAIL: support@redvalve.com

XI. TANK NOMENCLATURE



CIRCULAR AND RECTANGULAR RESERVOIRS AND STANDPIPES

